FAMCO
هایپرصنعت

JUL. 2010

CDC
PNEUMATICS

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

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Products List

PNEUMATICS

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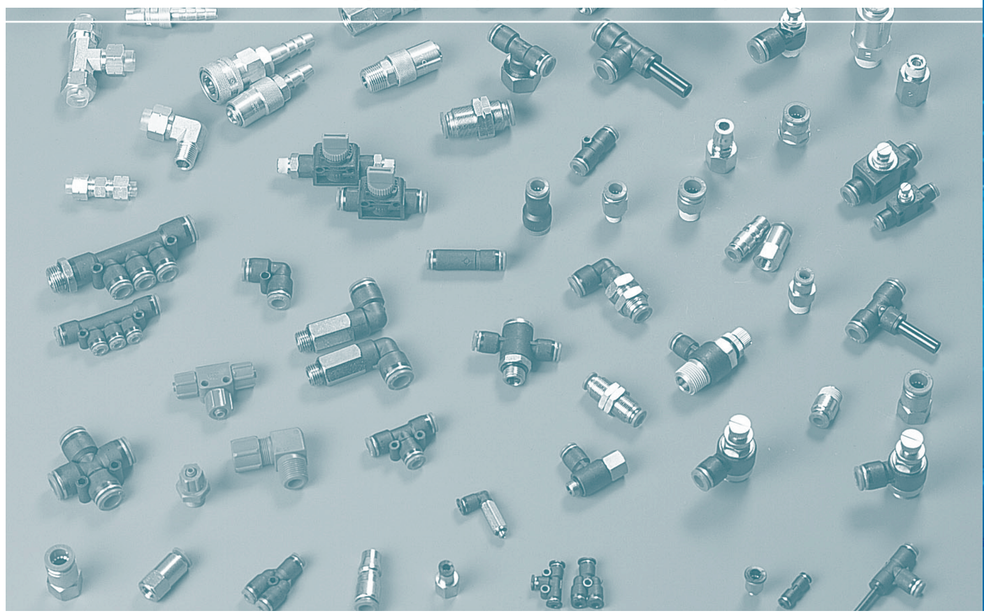
Another advanced technology
that brings glory to the Industry.



CDC Pneumatics

We started in the hydraulic and pneumatic business in 1983 under the vision of「Future oriented technology development, Perfect quality management, Customer oriented service mind」and have done our best aggressively investing in facilities and improving quality to take an important role in the domestic pneumatic and hydraulic industry that is lagging behind others.

Our perfect quality system was established by obtaining ISO9002 certification in 2000 and ISO9001 in 2001 thus becoming a leader in the hydraulic and pneumatic industry. We were awarded the "Million Dollar Export Tower" in 2000 and the "3 Million Dollar Export Tower" in June, 2004. We also had 5 million dollar exports in December, 2005 enhancing the status of the domestic pneumatic and hydraulic industry. We are striving to strengthen our competitive power, developing modern technologies for new markets, new enterprise selections, and applying core technologies to change the one-touch fitting market. We, at CDC Pneumatics, are committed to produce perfect quality products using the latest technologies, and all our staff will keep reaching for the top.

Best Quality

Best Service

Best Technology

Basic Construction of Fitting

Safety Caution and Classification of Warning Indications

DANGER
Death or serious injury may occur.

WARNING
Depending on the specific situation, death or serious injury may occur.

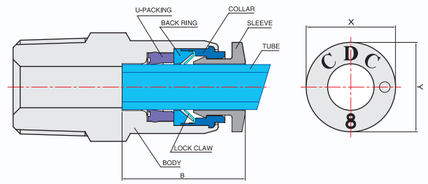
CAUTION
Depending on the specific situation, serious/light injury or loss of property may occur.

Caution for Products in this Catalogue

DANGER
Do not use products in this catalogue in machines that have the following purposes:
① Maintenance of human body and life
② Human transportation
③ Instruments of critical safety

WARNING
Do not use these products in the conditions below:
① Uses other than those specified and in conditions indicated for the particular product.
② Never touch the release sleeve of one-touch fittings when they are pressurized.
(It may cause tube separation, resulting in potentially dangerous situations).
③ Places subject to excessive external pressure due to pulling, bending and twisting.
(It may cause body breakdown, resulting in potentially dangerous situations)
④ Places subject to excessive vibration, impact, rotation and bending
⑤ Places exposed to corrosive fluid, flammable fluid, chemicals, sea water, water and vapor

CAUTION
① Assemble pipes only after cleaning away impurities such as dust.
② The product can suffer damage or the screw may break causing quality problems when the product is assembled using excessive pressure, higher than the recommended permissible torque. If it is assembled using less pressure than the recommended torque, it may cause leakage due to the loosened screw.
③ Refer to the Recommended Torque Table by screw size when screwing up.
④ When connecting a tube to fitting products, check out the tube insertion length as indicated in Table 1 and push the tube in to the end of the fitting.



⑤ Do not use these products along with others than CDC Pneumatics. If products do not meet prescribed tolerances, tube separation and air leakage may occur.

Recommended Connection Torque (by thread)

Thread type	Thread Size	Recommended torque (kgf·cm)
Metric Thread (mm)	M3×P0.5	0.7 N.m
	M5×P0.8	1.5 N.m
	M6×P1.0	2.3 N.m
Pipe Taper Thread (PT)	R1/8	7 N.m
	R1/4	12 N.m
	R3/8	22 N.m
	R1/2	28 N.m
Unified Thread(UNF)	No. 10-32 UNF	1.5 N.m
NPT Thread	NPT1/16	7 N.m
	NPT1/8	7 N.m
	NPT1/4	12 N.m
	NPT3/8	22 N.m
	NPT1/2	28 N.m
PF Thread	G 1/8	10 N.m
	G 1/4	15 N.m
	G 3/8	25 N.m
	G 1/2	40 N.m

[Table 1] Tube Insertion Length

Standard fittings

Tube Insertion Length	Standard Type						Compact Type		
	Φ4	Φ6	Φ8	Φ10	Φ12	Φ16	Φ3	Φ4	Φ6
B	15.0	16.5	18.8	20.1	22.9	23.6	11.3	11.8	12.9

Inch fittings

Tube Insertion Length	Standard Type						Compact Type		
	Φ5/32	Φ3/16	Φ1/4	Φ5/16	Φ3/8	Φ1/2	Φ1/8	Φ5/32	Φ1/4
B	15.0	15.9	16.8	18.8	20.1	23.1	11.3	11.8	13.5

Caution on Fitting Products

⚠ WARNING

- ➡ Do not use on fluids other than air and water (partly available for some products). Contact us for use on other fluids.
- ➡ Water or other fluids at temperatures of 60℃ or higher may cause hydrolysis due to the heat, and it can also deform the tube or fitting.
- ➡ Be sure to prevent pressure buildup caused by twisting, pulling, and bending of the fitting product.
- ➡ Do not use the product where weld spatters occur as fire may break out.
- ➡ Product damage or air leakage may occur at places where there is rotation and vibration. Choose the right product from our catalogue.
- ➡ Use caution in water as the product may be damaged by surge pressure.
- ➡ Do not use the product where it is directly exposed to fluids such as cutting oil, lubricating oil, and coolant oil.
- ➡ Be sure to refer to Tolerance Data (P208) in using chemicals.

Common Precautions

⚠ CAUTION

❶ Assemble the pipes only after cleaning away impurities such as dust.
❷ Fitting products are used in connections to transport air smoothly. Avoid using them for other purposes.
❸ The tube release sleeve is circular so that it is not restricted by small places and limited spaces, otherwise, you may choose products from other series(such as compact fittings).
❹ Refer to Table 1 to make sure that tolerance of the OD of the tube is in the permissible range when using products other than CDC Pneumatics' .

[Table 1] Tolerance of the Outer Diameter of the Tube

▶Tolerance of the OD by size (Metric) (Unit/mm)

Tube specifications	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
Permissible tolerance	±0.1	±0.1	±0.1	±0.1	±0.15	±0.15	±0.15

▶Tolerance of the OD by size (Inch) (Unit/mm)

Tube specifications	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2
Permissible tolerance	±0.15	±0.15 -0.1	±0.15	±0.1	+0.2 -0.1	±0.15	±0.15

❺ Insertion of tube to fitting product
- Make sure the tube is inserted fully to the end of the fitting.
- To insert the tube into the fitting, cut the tube at a right angle, insert it to the end and pull the tube gently to make sure it isn' t released.
- If there are some damages, scratches, or the oval shape on tube, air leakage and tube release may occur. Check it out meticulously.
- The OD of polyurethane tubes expands by pressure exerted on them. Reinsertion to the fitting may not be possible. Check the OD of the tube and change the tube if the expansion is serious.

Tube connection

Preparation

Prepare the tube, tube cutter, fitting connection devices (spanner or monkey wrench).

Tube cutting

Cut the tube at a right angle with the axis using a tube cutter.

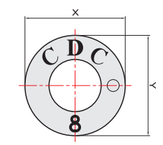
Fitting connection

Tighten the connection with the spanner or monkey wrench observing the recommended torque range below.

Tube insertion

Mark the tube insertion length at the tube, and insert it in a straight line with the fitting. Make sure the marking is on the open cross section of the sleeve.

❻ Tube release from the fitting product
- Make sure the pressure in the tube is zero before releasing the tube from the
- fitting product.
  To release the tube, press the release ring regularly at the end and pull the tube
- with one hand.
  Cut the pressed part of the tube for reuse of the released tube.



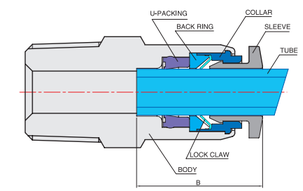
[Table 2] Size of Sleeve for Tube Release

Standard sleeve specification (Unit/mm)

Sleeve specification	Standard Type						Compact Type		
	Φ4	Φ6	Φ8	Φ10	Φ12	Φ16	Φ3	Φ4	Φ6
X	9.7	11.8	13.8	16.6	19	25.2	7.2	8.2	10.2
Y	–	–	–	–	–	–	9.2	10.4	12.4

Sleeve size specification(inch) (Unit/mm)

Sleeve specification	Standard Type						Compact Type		
	Φ5/32	Φ3/16	Φ1/4	Φ5/16	Φ3/8	Φ1/2	Φ1/8	Φ5/32	Φ1/4
X	9.7	11.1	12.6	13.8	16.8	19.9	7.2	8.2	10.8
Y	–	–	–	–	–	–	9.2	10.4	12.8



❼ Caution during assembly
- Choose the right size devices using the hexagonal section of the fitting for assembling fitting products.
- Check out the thread type before assembly, referring to Table 3 below.

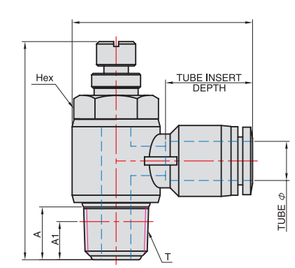
[Table 3] Fitting Screw Size (Unit/mm)

Thread type	Metric Thread		Taper Thread			
Thread Size	M5	M6	R1/8	R1/4	R3/8	R1/2
A	4	4	8	10	11	14
A1	4.1	4.1	4	5	5.5	7

Metric Thread Specfications

Thread Code	Thread Size	Applicable product
M3	M3× 0.5	Apply to all products
M5	M5× 0.8	
M6	M6× 1.0	

- The screw thread is produced using Teflon coating treatment so that there is no need of Teflon tape or sealing treatment.
- When the product is assembled using an excessive pressure higher than the recommended permissible torque, the product can be damaged or the screw may break causing the quality problems.



Explanations according to function

▶ One-Touch fittings

- Product for regular piping connection, and one-touch fitting.
- Various shapes and products can be selected for every piping situation.
- Tube insertion needs only one touch so that there is no need of tools.
- Tube is easily released and inserted with one action.

▲ Compact One-Touch fittings

- This model is about 40% smaller than the existing one-touch fitting
- All compact fitting products are electroless Nickel plated.
- Suitable for piping of small devices in limited spaces.
- The release ring is oval for easy insertion and will release even if it is small.
- Various shapes and products can be selected for every piping situation.

▲ Speed Controllers

- Accurate regulation of an optimal airflow rate for precise motion control.
- One-touch type fittings eliminate the need of tools for connection and release.
- All products are small and light-weight, and can be easily assembled in limited spaces. Tube direction and angle are controlled according to piping as the main body can rotate up to 360° after assembly.
- Designed to handle large airflow, the speed control valve operates at high speed.

▲ Hand Valves / Hand Slide Valves

- The hand valve is a valve that switches compressed air input from air pressure devices.
- The hand valve is a 3-way type and highly safe during maintenance and examination by discharging the remaining pressure in the device to the outside.
- The hand slide valve switches compressed air and is semi-permanent as the product materials are aluminum and brass.

▲ Check valves

- This valve allows the compressed air from one side to flow, blocking the inverse flow to protect and maintain the vacuum line, and is easily applied to low pressure piping situations.
- Used in places where the air pressure of the ventilation section should be kept uniform.
- The minimum operating pressure is 0.1 kgf/㎠, and it maintains 1.42 psi in vacuum state.
- Suitable for piping of low pressure devices.

▲ Stop fittings

- Used in places where pneumatic piping changes frequently.
- Air flows bidirectionally in stop fittings, different from the check valve, but air is safely blocked when tube is released.
- Air flows only when the tube is connected.

FAMCO
هایپرصنعت

One-Touch Fittings

Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings BSBM

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METRIC-BSPT(R)

METRIC-BSPP(G)

One-Touch Fittings

Applications

- One touch type pipe connection tool for air pressure piping.
- Various uses depending on the user's environment.

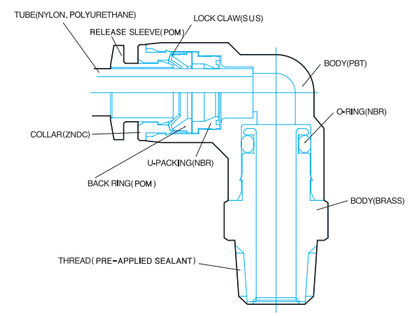
Features

- One action inserts the tube to release and connect easily.
- The PC type has interior and exterior hexagonal shapes for efficient piping in limited spaces.
- The main body of the PL and PT types is a rotating structure for efficient piping.
- The screw section has O-ring, or Teflon coated.

Specifications

-Fluid type : Air(No other gases or liquids)
-Working pressure : 0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
-Negative pressure : -29.5 in Hg / -750mmHg(-750Torr)
-Working temperature : 32~140° F / 0~60°C
-Applicable Tube : Polyurethane and Nylon

Structural Diagram



Product Code System

METRIC - BSPT(R)

PC 06-01-N

OneTouch Fitting

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
M6	M6×1.0
R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

Plating: Nickel

Sleeve Color: Blue

METRIC - BSPP(G)

PC 06-G01

OneTouch Fitting

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
M6	M6×1.0
G(PF) THREAD	
CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Sleeve Color: Blue

INCH - BSPT(R)

PC-1/4-01

OneTouch Fitting

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

INCH - NPT

PC-1/4-N1

OneTouch Fitting

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

UNF THREAD	
CODE	SIZE
U	10-32UNF
NPT THREAD	
CODE	SIZE
N1	NPT1/8
N2	NPT1/4
N3	NPT3/8
N4	NPT1/2

Conversion

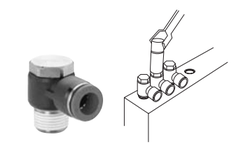
kgf/㎠	bar	Pa(N/㎡)	atm	mHg	lbf/in2
1	0.980665	0.980665E5	0.9678	0.7356	14.22
1.0197	1	1E-5	0.9869	0.7501	14.50
1.0197E-5	1E-5	1	0.9869E-5	7.501E-6	1.450E-4
1.0332	1.0325	1.0325E5	1	0.760	14.70
1.3595	1.3332	1.3332E5	1.3158	1	19.34
0.07031	0.06895	6.895E3	0.06805	0.05171	1

Applied example

- The interior and exterior hexagonal part can be assembled using a spanner and hexagonal wrench in screw joining.
- The injection body of the PL and PT models rotates to allow direction changes according to piping direction.
- The sleeve is circular so that it is free of equipment setting.

Form

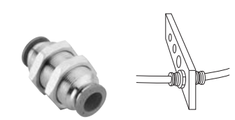
PC. POC
Fitting for limited spaces joined with a hexagonal wrench and spanner.



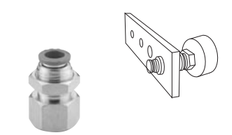
PH
Fitting for limited spaces, assembled with box wrench.

PL
Fitting that rotates at right angles with the actuator and piping.

PLL
Same function as PL, but used to efficiently prevent interference of fitting gaps by making piping more accessible.

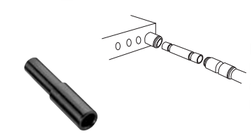


PMM
For panel installation, used for junction connections.



PMF
For panel installation, used for connection between the male screw and the tube.

PIJ
For connecting one-touch fittings together.



PIG
For connecting different sizes of one-touch fittings together.

⚠ CAUTION

- Be sure to refer to the Safety Caution, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.
- Avoid piping under tension, and also avoid high curvature piping at the tube insertion section of the fitting.

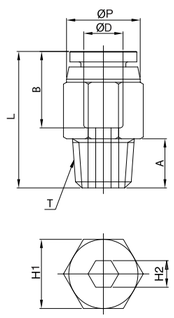
⚠ WARNING

- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage may occur.

PC

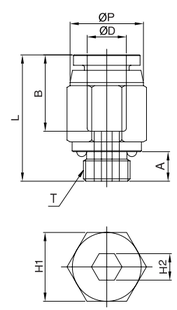
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 04-M5	4	10.0	M5×0.8p	21.9	4.6	15.9	10	-	2.5	5.8	100
PC 04-M6			M6×1.0p	21.9	4.1		10	-	3.0	5.8	100
PC 04-01			R 1/8	21.6	8		10	3	3.0	7.8	100
PC 04-02			R 1/4	20.6	10		14	3	3.0	14.8	100
PC 04-03			R 3/8	22.0	11		17	3	3.0	26.8	100
PC 06-M5	6	12.0	M5×0.8p	23.6	4.6	16.5	12	-	2.5	8.8	100
PC 06-M6			M6×1.0p	23.1	4.1		12	-	3.0	8.8	100
PC 06-01			R 1/8	22.2	8		12	4	4.0	8.8	100
PC 06-02			R 1/4	21.0	10		14	5	5.0	12.8	100
PC 06-03			R 3/8	22.0	11		17	5	5.0	25.8	100
PC 06-04			R 1/2	29.3	14		19	5	5.0	49.8	50
PC 08-01	8	14.0	R 1/8	27.5	8	17.7	14	5	5.0	14.7	100
PC 08-02			R 1/4	25.5	10		14	6	6.0	18.7	100
PC 08-03			R 3/8	23.0	11		17	6	6.0	21.7	100
PC 08-04			R 1/2	29.7	14		19	6	6.0	49.7	50
PC 10-01	10	16.1	R 1/8	28.7	8	18.6	17	5	5.0	21.5	100
PC 10-02			R 1/4	30.7	10		17	6	6.0	24.5	100
PC 10-03			R 3/8	24.7	11		17	8	8.0	41.5	100
PC 10-04			R 1/2	29.7	14		19	8	8.0	51.5	50
PC 12-01	12	19.0	R 1/8	32.3	8	20.9	19	5	5.0	28.3	50
PC 12-02			R 1/4	32.8	10		19	6	6.0	36.3	50
PC 12-03			R 3/8	29.8	11		19	8	8.0	30.3	50
PC 12-04			R 1/2	29.8	14		19	8	8.0	48.3	50
PC 16-03	16	24.0	R 3/8	37.3	11	24.8	24	10	10.0	50.0	25
PC 16-04			R 1/2	40.3	14		24	10	10.0	63.0	25



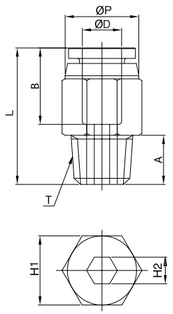
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 04-G01	4	10.3	G 1/8	21.5	5.0	15.9	13	3	3.0	10.8	100
PC 04-G02			G 1/4	23.5	6.5		15	3	3.0	18.8	100
PC 04-G03			G 3/8	23.5	6.5		17	3	3.0	21.8	100
PC 06-G01	6	12.3	G 1/8	22.5	5.0	16.5	13	4	4.0	9.8	100
PC 06-G02			G 1/4	24.5	6.5		15	5	5.0	16.8	100
PC 06-G03			G 3/8	25.5	6.5		17	5	5.0	23.8	100
PC 08-G01	8	14.3	G 1/8	26.7	5.0	17.7	15	5	5.0	16.7	100
PC 08-G02			G 1/4	26.7	6.5		15	6	6.0	14.7	100
PC 08-G03			G 3/8	25.0	6.5		17	6	6.0	22.7	100
PC 08-G04			G 1/2	26.0	8.0		21	6	6.0	39.7	50
PC 10-G01	10	16.5	G 1/8	29.5	5.0	18.6	17	5	5.0	21.5	100
PC 10-G02			G 1/4	30.0	6.5		17	6	6.0	22.5	100
PC 10-G03			G 3/8	27.0	6.5		17	8	8.0	21.5	100
PC 10-G04			G 1/2	28.3	8.0		21	8	8.0	36.5	50
PC 12-G02	12	19.0	G 1/4	32.2	6.5	20.9	19	6	6.0	26.3	50
PC 12-G03			G 3/8	31.6	6.5		19	8	8.0	22.3	50
PC 12-G04			G 1/2	31.6	8.0		21	8	8.0	36.3	50
PC 16-G03	16	24.0	G 3/8	36.3	6.5	24.8	24	10	10.0	53.0	25
PC 16-G04			G 1/2	36.3	8.0		24	10	10.0	59.0	25



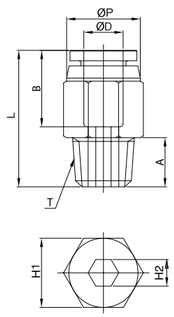
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 5/32-U	5/32	10.5	UNF10/32	21.4	3.6	16.2	7/16	3/32	2.5	5.8	100
PC 5/32-N1			NPT1/8	19.5	8.5		7/16	1/8	3.2	7.8	100
PC 5/32-N2			NPT1/4	22.0	10.5		9/16	1/8	3.2	14.8	100
PC 5/32-N3			NPT3/8	23.0	11.5		11/16	1/8	3.2	24.8	100
PC 3/16-U	3/16	11.0	UNF10/32	22.0	3.6	16.8	7/16	3/32	2.5	7.8	100
PC 3/16-N1			NPT1/8	23.1	8.5		7/16	1/8	3.2	14.8	100
PC 3/16-N2			NPT1/4	23.1	10.5		9/16	1/8	3.2	24.8	100
PC 3/16-N3			NPT3/8	24.1	11.5		11/16	1/8	3.2	24.8	100
PC 1/4-U	1/4	12.7	UNF10/32	23.2	3.6	17.3	1/2	3/32	2.5	8.8	100
PC 1/4-N1			NPT1/8	23.8	8.5		1/2	3/16	4.0	8.8	100
PC 1/4-N2			NPT1/4	23.2	10.5		9/16	3/16	4.0	12.8	100
PC 1/4-N3			NPT3/8	24.2	11.5		11/16	3/16	4.0	23.8	100
PC 1/4-N4			NPT1/2	27.3	14.5		7/8	3/16	4.0	49.8	50
PC 5/16-N1	5/16	14.0	NPT1/8	28.2	8.5	18.2	9/16	3/16	4.8	12.7	100
PC 5/16-N2			NPT1/4	26.0	10.5		9/16	1/4	6.4	14.7	100
PC 5/16-N3			NPT3/8	26.5	11.5		11/16	1/4	6.4	21.7	100
PC 5/16-N4			NPT1/2	24.5	14.5		7/8	1/4	6.4	59.7	50
PC 3/8-N1	3/8	16.7	NPT1/8	30.1	8.5	19.9	11/16	3/16	4.8	21.4	100
PC 3/8-N2			NPT1/4	31.1	10.5		11/16	1/4	6.4	25.4	100
PC 3/8-N3			NPT3/8	24.8	11.5		11/16	5/16	7.9	20.4	100
PC 3/8-N4			NPT1/2	24.0	14.5		7/8	5/16	7.9	50.4	50
PC 1/2-N1	1/2	20.6	NPT1/8	33.4	8.5	23.0	7/8	3/16	4.8	32.1	50
PC 1/2-N2			NPT1/4	35.4	10.5		7/8	1/4	6.4	35.1	50
PC 1/2-N3			NPT3/8	31.9	11.5		7/8	3/8	9.5	36.1	50
PC 1/2-N4			NPT1/2	31.4	14.5		7/8	3/8	9.5	46.1	50



INCH-BSPT(R)

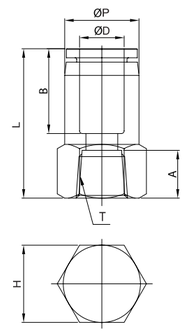
MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC1/4-01	1/4	12.7	R1/8	23.5	8.0	17.3	13	5	5.0	8.8	100
PC1/4-02			R1/4	22.9	10.0		14	5	5.0	12.8	100
PC1/4-03			R3/8	23.9	11.0		17	5	5.0	23.8	100
PC5/16-01	5/16	14.0	R1/8	27.5	8.5	18.2	14	5	5.0	14.7	100
PC5/16-02			R1/4	25.5	10.5		14	6	6.0	18.7	100
PC5/16-03			R3/8	23.0	11.5		17	6	6.0	21.7	100
PC3/8-01	3/8	16.7	R1/8	29.7	8.5	19.9	17	5	5.0	21.4	100
PC3/8-02			R1/4	30.5	10.5		17	6	6.0	25.4	100
PC3/8-03			R3/8	24.2	11.5		17	6	6.0	20.4	100
PC3/8-04			R1/2	27.2	14.5		21	8	8.0	50.4	50
PC1/2-02	1/2	20.6	R1/4	34.9	10.5	23.0	21	6	6.0	35.1	50
PC1/2-03			R3/8	31.9	11.5		21	10	10.0	36.1	50
PC1/2-04			R1/2	30.9	14.5		21	10	10.0	46.1	50



PCF

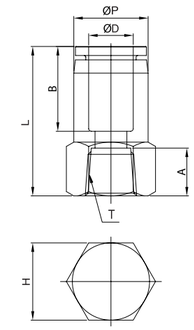
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 04-M5	4	10.0	M5×0.8p	25.6	7.0	15.9	12	3.5	8.8	100
PCF 04-01			Rc 1/8	26.7	8.0		14	3.5	15.8	100
PCF 04-02			Rc 1/4	28.7	10.0		17	3.5	19.8	100
PCF 04-03			Rc 3/8	29.7	11.0		22	3.5	33.8	100
PCF 06-M5	6	12.0	M5×0.8p	25.8	7.0	16.5	12	4.2	10.8	100
PCF 06-01			Rc 1/8	27.3	8.0		14	5.0	17.8	100
PCF 06-02			Rc 1/4	29.3	10.0		17	5.0	23.8	100
PCF 06-03			Rc 3/8	30.2	11.0		22	5.0	35.8	50
PCF 06-04			Rc 1/2	32.2	14.0		24	5.0	39.8	50
PCF 08-01	8	14.0	Rc 1/8	28.5	8.0	17.7	14	6.0	18.7	100
PCF 08-02			Rc 1/4	30.5	10.0		17	6.0	25.7	100
PCF 08-03			Rc 3/8	31.5	11.0		22	6.0	38.7	50
PCF 08-04			Rc 1/2	33.5	14.0		24	6.0	45.7	50
PCF 10-01	10	16.4	Rc 1/8	31.4	8.0	18.6	17	8.5	31.5	100
PCF 10-02			Rc 1/4	31.5	10.0		17	8.5	26.5	100
PCF 10-03			Rc 3/8	32.4	11.0		22	8.5	39.5	50
PCF 10-04			Rc 1/2	34.4	14.0		24	8.5	40.5	50
PCF 12-02	12	18.6	Rc 1/4	34.7	10.0	20.9	22	10.0	53.3	50
PCF 12-03			Rc 3/8	34.7	11.0		22	10.0	43.3	50
PCF 12-04			Rc 1/2	36.7	14.0		24	10.0	49.3	25



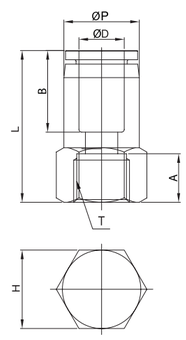
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 5/32-N1	5/32	10.0	NPT1/8	27.6	8.5	15.3	9/16	3.5	15.8	100
PCF 5/32-N2			NPT1/4	29.6	10.5		11/16	3.5	19.8	100
PCF 3/16-N1	3/16	11.1	NPT1/8	28.2	8.5	16.8	9/16	4.0	15.8	100
PCF 3/16-N2			NPT1/4	30.2	10.5		11/16	4.0	19.8	100
PCF 1/4-N1	1/4	13.0	NPT1/8	28.7	8.5	17.4	9/16	5.0	18.8	100
PCF 1/4-N2			NPT1/4	30.7	10.5		11/16	5.0	23.8	100
PCF 1/4-N3			NPT3/8	32.7	11.5		7/8	5.0	39.8	50
PCF 5/16-N1	5/16	14.0	NPT1/8	29.0	8.5	18.7	9/16	6.0	18.7	100
PCF 5/16-N2			NPT1/4	31.0	10.5		11/16	6.0	25.7	100
PCF 5/16-N3			NPT3/8	32.0	11.5		7/8	6.0	38.7	50
PCF 5/16-N4			NPT1/2	35.9	14.5		15/16	6.0	45.7	50
PCF 3/8-N1	3/8	16.7	NPT1/8	31.8	8.5	20.2	11/16	8.0	29.4	100
PCF 3/8-N2			NPT1/4	32.6	10.5		11/16	8.0	26.4	100
PCF 3/8-N3			NPT3/8	34.1	11.5		7/8	8.0	39.4	50
PCF 3/8-N4			NPT1/2	37.8	14.5		15/16	8.0	41.4	25
PCF 1/2-N2	1/2	20.6	NPT1/4	36.2	10.5	22.0	7/8	10.0	53.1	25
PCF 1/2-N3			NPT3/8	37.6	11.5		7/8	10.0	45.1	25



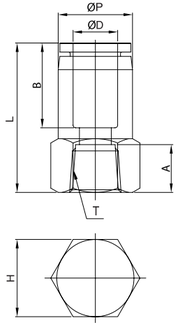
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 04-G01	4	10.0	G 1/8	28.6	8.0	15.9	14	3.0	14.8	100
PCF 04-G02			G 1/4	29.6	10.0		17	3.0	19.8	100
PCF 04-G03			G 3/8	30.6	11.0		22	3.5	32.8	100
PCF 06-G01	6	12.0	G 1/8	30.0	8.0	16.5	14	5.0	15.8	100
PCF 06-G02			G 1/4	31.0	10.0		17	5.0	21.8	100
PCF 06-G03			G 3/8	32.0	11.0		22	5.0	34.8	50
PCF 08-G01	8	14.0	G 1/8	31.0	8.0	17.7	14	6.0	17.7	100
PCF 08-G02			G 1/4	32.0	10.0		17	6.0	23.7	100
PCF 08-G03			G 3/8	33.0	11.0		22	6.0	36.7	50
PCF 08-G04			G 1/2	35.0	14.0		24	6.0	36.7	50
PCF 10-G01	10	16.4	G 1/8	31.7	8.0	18.6	17	8.0	30.5	100
PCF 10-G02			G 1/4	32.7	10.0		17	8.0	25.5	100
PCF 10-G03			G 3/8	33.7	11.0		22	8.0	39.5	50
PCF 10-G04			G 1/2	35.7	14.0		24	8.0	39.5	50
PCF 12-G02	12	18.6	G 1/4	36.4	10.0	20.9	22	10.0	52.3	50
PCF 12-G03			G 3/8	36.4	11.0		22	10.0	44.3	50
PCF 12-G04			G 1/2	38.4	14.0		24	10.0	44.3	25



INCH-BSPT(R)

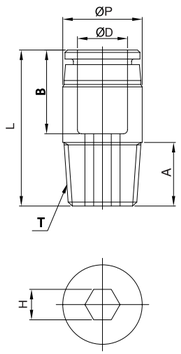
MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF1/4-01	1/4	13.0	Rc1/8	28.7	8.0	17.4	14	5.0	18.8	100
PCF1/4-02	1/4	13.0	Rc1/4	30.7	10.0	17.4	17	5.0	23.8	100
PCF5/16-01	5/16	14.0	Rc1/8	28.5	8.0	18.7	17	6.0	18.7	100
PCF5/16-02	5/16	14.0	Rc1/4	30.5	10.0	18.7	17	6.0	25.7	100
PCF3/8-02	3/8	16.7	Rc1/4	32.6	10.0	20.2	17	8.0	26.4	100
PCF3/8-03	3/8	16.7	Rc3/8	34.1	11.0	20.2	22	8.0	39.4	50



POC

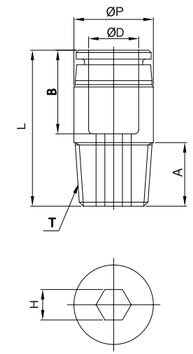
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
POC 04-M5	4	10	M5×0.8p	21.8	4.6	15.9	2	2.0	5.8	100
POC 04-M6		10	M6×1.0p	21.8	4.6		3	3.0	5.8	100
POC 04-01		10	R 1/8	20.4	8.0		3	3.0	7.8	100
POC 04-02		14	R 1/4	20.4	10.0		3	3.0	13.8	100
POC 04-03		17	R 3/8	20.4	11.0		3	3.0	23.8	100
POC 06-M5	6	12	M5×0.8p	22.6	4.6	16.5	2	2.0	7.8	100
POC 06-M6		12	M6×1.0p	24.1	4.6		3	3.0	7.8	100
POC 06-01		12	R 1/8	21.8	8.0		4	4.0	14.8	100
POC 06-02		14	R 1/4	22.5	10.0		4	4.0	24.8	100
POC 06-03		17	R 3/8	22.5	11.0		4	4.0	24.8	100
POC 08-01	8	14	R 1/8	27.0	8.0	17.7	5	5.0	11.7	100
POC 08-02		14	R 1/4	25.0	10.0		6	6.0	14.7	100
POC 08-03		17	R 3/8	25.0	11.0		6	6.0	24.7	100
POC 08-04		21	R 1/2	25.0	14.0		6	6.0	45.7	50
POC 10-01	10	17	R 1/8	27.9	8.0	18.6	5	5.0	15.5	100
POC 10-02		17	R 1/4	26.6	10.0		6	6.0	16.5	100
POC 10-03		17	R 3/8	26.6	11.0		8	8.0	22.5	100
POC 10-04		21	R 1/2	26.6	14.0		8	8.0	39.5	50
POC 12-01	12	19	R 1/8	32.4	8.0	20.9	5	5.0	23.3	50
POC 12-02		19	R 1/4	32.4	10.0		6	6.0	25.3	50
POC 12-03		19	R 3/8	32.4	11.0		8	8.0	31.3	50
POC 12-04		21	R 1/2	32.4	14.0		8	8.0	38.3	50



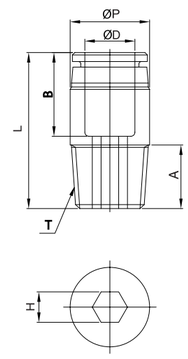
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
POC5/32-U	5/32	11.0	UNF10/32	20.8	3.5	15.3	3/32	2.4	5.8	100
POC5/32-N1		11.0	NPT1/8	21.0	8.5		1/8	3.2	6.8	100
POC5/32-N2		14.0	NPT1/4	22.0	10.5		1/8	3.2	13.8	100
POC3/16-U	3/16	11.0	UNF10/32	22.4	3.5	16.9	3/32	2.4	5.8	100
POC3/16-N1		12.0	NPT1/8	22.7	8.5		1/8	3.2	6.8	100
POC3/16-N2		14.0	NPT1/4	23.7	10.5		1/8	3.2	13.8	100
POC1/4-U	1/4	13.0	UNF10/32	22.9	3.5	17.4	3/32	2.4	8.8	100
POC1/4-N1		13.0	NPT1/8	23.6	8.5		3/16	4.8	9.8	100
POC1/4-N2		14.0	NPT1/4	23.8	10.5		3/16	4.8	12.8	100
POC5/16-N1	5/16	14.0	NPT1/8	27.5	8.5	18.7	3/16	4.8	14.7	100
POC5/16-N2		14.0	NPT1/4	25.5	10.5		1/4	6.4	17.7	100
POC5/16-N3		18.0	NPT3/8	25.5	11.5		1/4	6.4	22.7	100
POC3/8-N1	3/8	18.0	NPT1/8	28.2	8.5	20.2	3/16	4.8	23.4	100
POC3/8-N2		18.0	NPT1/4	28.2	10.5		1/4	6.4	25.4	100
POC3/8-N3		18.0	NPT3/8	28.2	11.5		5/16	8.0	34.4	100
POC3/8-N4		22.0	NPT1/2	29.2	14.5		5/16	8.0	43.4	50
POC1/2-N2	1/2	21.0	NPT1/4	35.4	10.5	22.0	1/4	6.4	31.1	50
POC1/2-N3		21.0	NPT3/8	32.9	11.5		3/8	9.5	34.1	50
POC1/2-N4		22.0	NPT1/2	33.0	14.5		3/8	9.5	43.1	50



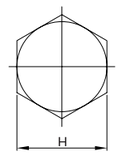
INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
POC1/4-01	1/4	13.0	R1/8	23.8	8.0	17.4	5	5.0	9.8	100
POC1/4-02	1/4	14.0	R1/4	23.8	10.0	17.4	5	5.0	12.8	100
POC5/16-01	5/16	14.0	R1/8	26.8	8.0	18.7	5	5.0	14.7	100
POC5/16-02	5/16	14.0	R1/4	25.0	10.0	18.7	6	6.0	17.7	100
POC3/8-02	3/8	18.0	R1/4	27.7	10.0	20.2	6	6.0	25.4	100
POC3/8-03	3/8	18.0	R3/8	26.2	11.0	20.2	8	8.0	34.4	100



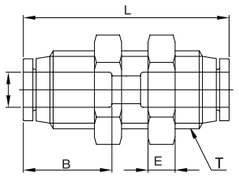
One -Touch Fittings

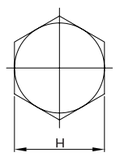
PMM



METRIC

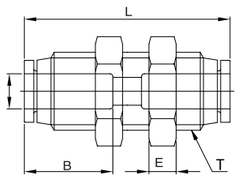
MODEL	ØD	T	L	E	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMM 04	4	M12×1.0p	35.5	4	16.3	14	3.0	19.6	100
PMM 06	6	M14×1.0p	39.9	4	17.6	17	5.0	28.6	100
PMM 08	8	M16×1.0p	42.2	5	18.7	19	7.0	36.4	50
PMM 10	10	M20×1.0p	45.0	5	19.6	24	9.0	65.0	25
PMM 12	12	M22×1.0p	50.3	5	21.9	26	11.0	79.6	25





INCH

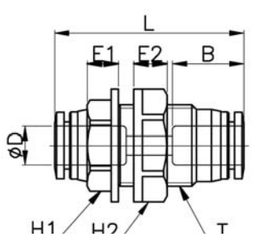
MODEL	ØD	T	L	E	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMM 5/32	5/32	M12×1.0p	35.5	4	16.8	14	3.0	19.6	100
PMM 3/16	3/16	M14×1.0p	36.5	4	16.8	17	4.0	19.6	100
PMM 1/4	1/4	M14×1.0p	38.8	4	17.4	17	5.0	29.6	100
PMM 5/16	5/16	M16×1.0p	42.2	5	18.7	19	7.0	36.4	50
PMM 3/8	3/8	M20×1.0p	43.2	5	20.2	24	8.0	59.8	25
PMM 1/2	1/2	M22×1.0p	49.5	5	22.0	26	11.0	83.2	25



PMP

METRIC

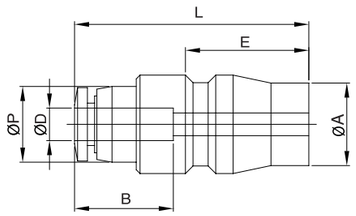
MODEL	ØD	T	L	E1	E2	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMP 04	4	M12×1.25p	32.4	6	6	15.0	13	16	3.0	5.4	100
PMP 06	6	M15×1.5p	36.1	6	6.5	16.5	15	18	5.0	7.8	100
PMP 08	8	M17×1.5p	39.7	6.5	7	18.8	17	21	6.8	10.8	50
PMP 10	10	M20×1.75p	44.0	7.3	8	20.1	21	25	8.0	16.8	25
PMP 12	12	M24×1.75p	47.6	7.3	8.5	22.9	24	28	10.0	24.5	25



PCP

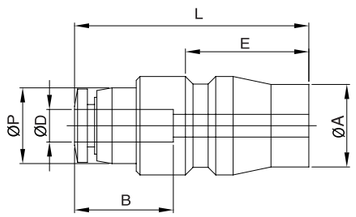
METRIC

MODEL	ØD	ØP	ØC	L	E	B	ORIFICE	WEIGHT(g)	BOX(EA)
PCP 04	4	10.0	10.9	31.0	16.3	16.3	3.0	19.8	100
PCP 06	6	11.9	10.9	31.8	16.3	17.5	5.0	18.8	100
PCP 08	8	14.0	10.9	34.9	16.3	18.6	6.0	19.7	100
PCP 10	10	16.0	10.9	42.4	20.8	19.8	8.0	28.5	50
PCP 12	12	19.0	10.9	45.5	20.8	22.2	8.0	43.3	50
PCP 16	16	24.0	10.9	48.9	20.8	24.1	8.0	52.0	25



INCH

MODEL	ØD	ØP	L	E	ØA	B	ORIFICE	WEIGHT(g)	BOX(EA)
PCP 5/32	5/32	10.0	31.0	16.3	10.9	16.3	3.0	18.8	100
PCP 3/16	3/16	11.0	31.7	16.3	10.9	16.8	3.0	18.8	100
PCP 1/4	1/4	13.0	31.7	16.3	10.9	17.4	5.0	15.8	100
PCP 5/16	5/16	14.0	34.9	20.8	10.9	18.6	6.0	19.7	50
PCP 3/8	3/8	16.1	41.8	20.8	10.9	19.8	8.0	27.4	50
PCP 1/2	1/2	20.6	46.4	20.8	10.9	23.0	8.0	38.1	25



www.famcocorp.com
E-mail: info@famcocorp.com
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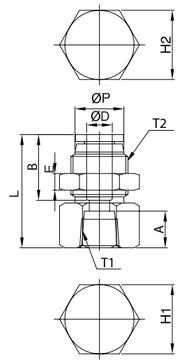
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

PMF

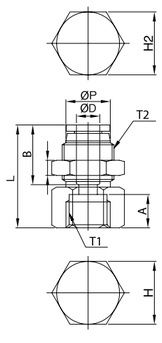
METRIC-BSPT(R)

MODEL	ØD	ØP	T1	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 04-01	4	10.0	Rc1/8	26.7	4	8.0	16.8	14	14	3.0	19.8	100
PMF 04-02			Rc1/4	28.7		10.0		17			24.8	100
PMF 04-03			Rc3/8	29.7		11.0		22			37.8	50
PMF 06-01	6	12.0	Rc1/8	28.3	4	8.0	17.6	17	17	5.0	33.8	100
PMF 06-02			Rc1/4	30.3		10.0		17			27.8	100
PMF 06-03			Rc3/8	31.3		11.0		22			42.8	50
PMF 08-01	8	14.0	Rc1/8	29.5	5	8.0	18.7	19	19	6.0	43.7	50
PMF 08-02			Rc1/4	31.5		10.0		19			38.7	50
PMF 08-03			Rc3/8	32.5		11.0		22			44.7	50
PMF 08-04			Rc1/2	34.5		14.0		24			45.7	25
PMF 10-01	10	16.1	Rc1/8	30.4	5	8.0	19.6	24	24	8.0	76.5	50
PMF 10-02			Rc1/4	32.4		10.0		24			70.5	50
PMF 10-03			Rc3/8	33.4		11.0		24			63.5	25
PMF 10-04			Rc1/2	36.2		14.0		24			54.5	25
PMF 12-02	12	19.0	Rc1/4	37.9	5	10.0	21.9	24	26	10.0	81.3	25
PMF 12-03			Rc3/8	37.9		11.0		24			72.3	25
PMF 12-04			Rc1/2	39.9		14.0		24			65.3	25



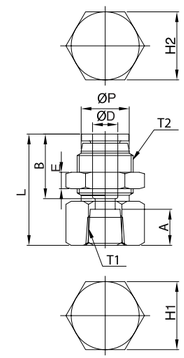
METRIC-BSPP(G)

MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF04-G01	4	10.0	G1/8	M12×1.0p	26.7	4	8.0	16.8	14	14	3.0	17.8	100
PMF04-G02			G1/4		28.7		10.0		17	14		23.8	100
PMF04-G03			G3/8		29.7		11.0		22	14		36.8	50
PMF06-G01	6	12.0	G1/8	M14×1.0p	28.3	4	8.0	17.6	17	17	5.0	32.8	100
PMF06-G02			G1/4		30.3		10.0		17	17		26.8	100
PMF06-G03			G3/8		31.3		11.0		22	17		40.8	50
PMF08-G01	8	14.0	G1/8	M16×1.0p	29.5	5	8.0	18.7	19	19	6.0	42.7	50
PMF08-G02			G1/4		31.5		10.0		19	19		37.7	50
PMF08-G03			G3/8		32.5		11.0		22	19		43.7	50
PMF10-G02	10	16.1	G1/4	M20×1.0p	32.4	5	10.0	19.6	24	24	8.0	69.5	50
PMF10-G03			G3/8		33.4		11.0		24	24		61.5	25
PMF10-G04			G1/2		36.2		14.0		24	24		52.5	25
PMF12-G02	12	19.0	G1/4	M22×1.0p	37.9	5	10.0	21.9	24	26	10.0	80.3	25
PMF12-G03			G3/8		37.9		11.0		24	26		72.3	25
PMF12-G04			G1/2		39.9		14.0		24	26		64.3	25



INCH-NPT

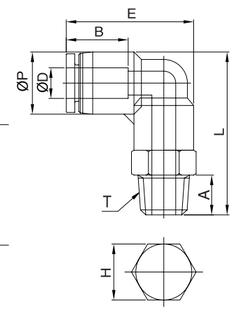
MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 5/32-N1	5/32	10.0	NPT 1/8	M12×1.0p	27.1	4	8.5	16.3	9/16	14	3.0	19.8	100
PMF 3/16-N1	3/16	11.1	NPT 1/8	M12×1.0p	28.3	4	8.5	16.8	11/16	14	4.0	19.8	100
PMF 3/16-N2			NPT 1/4		30.3		10.5		11/16			24.8	100
PMF 1/4-N1	1/4	13.0	NPT 1/8	M14×1.0p	30.9	4	8.5	17.4	11/16	17	5.0	33.8	100
PMF 1/4-N2			NPT 1/4		30.9		10.5		11/16			27.8	100
PMF 5/16-N1	5/16	14.0	NPT 1/8	M16×1.0p	29.5	5	8.5	18.7	3/4	19	6.0	43.7	50
PMF 5/16-N2			NPT 1/4		31.5		10.5		3/4			38.7	50
PMF 5/16-N3			NPT 3/8		32.5		11.5		7/8			45.7	50
PMF 3/8-N2	3/8	16.7	NPT 1/4	M20×1.0p	33.3	5	10.5	20.2	15/16	24	8.0	71.4	50
PMF 3/8-N3			NPT 3/8		34.3		11.5		15/16			64.4	50
PMF 1/2-N2	1/2	20.3	NPT 1/4	M22×1.0p	39.0	5	10.5	22.0	15/16	26	10.0	78.1	25
PMF 1/2-N3			NPT 3/8		39.0		11.5		15/16			88.1	25
PMF 1/2-N4			NPT 1/2		41.0		14.5		15/16			68.1	25



PL

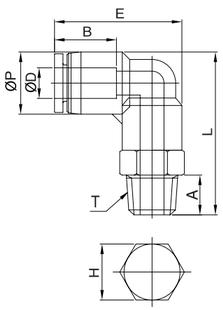
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL04-M5	4	10.5	M5×0.8p	25.8	23.8	4.1	16.8	10	2.5	7.8	100
PL04-M6			M6×1.0p	25.8		4.1		10	2.5	7.8	100
PL04-01			R1/8	29.8		8.0		10	3.0	10.8	100
PL04-02			R1/4	31.8		10.0		14	3.0	17.8	100
PL04-03			R3/8	32.8		11.0		17	3.0	31.8	100
PL06-M5	6	12.5	M5×0.8p	30.3	26.5	4.6	17.6	12	2.5	5.7	100
PL06-M6			M6×1.0p	28.9		4.1		12	3.0	5.7	100
PL06-01			R 1/8	32.8		8.0		12	4.5	14.7	100
PL06-02			R 1/4	35.8		10.0		14	4.5	19.7	100
PL06-03			R 3/8	36.8		11.0		17	4.5	26.7	50
PL06-04			R 1/2	39.8		14.0		21	4.5	46.7	50
PL08-01	8	14.8	R 1/8	35.2	29.7	8.0	18.7	14	6.0	17.7	50
PL08-02			R 1/4	38.2		10.0		14	6.0	22.7	50
PL08-03			R 3/8	39.2		11.0		17	6.0	29.7	50
PL08-04			R 1/2	42.2		14.0		21	6.5	49.7	50
PL10-01	10	17.5	R 1/8	37.3	32.1	8.0	19.6	17	6.0	24.2	50
PL10-02			R 1/4	40.3		10.0		17	7.0	30.2	50
PL10-03			R 3/8	41.3		11.0		17	7.0	33.2	50
PL10-04			R 1/2	44.3		14.0		21	7.0	53.2	25
PL12-01	12	20.5	R 1/8	42.7	36.9	8.0	21.9	19	6.0	39.1	25
PL12-02			R 1/4	44.7		10.0		19	7.0	42.1	25
PL12-03			R 3/8	45.7		11.0		19	10.0	41.1	25
PL12-04			R 1/2	48.7		14.0		21	10.0	53.1	25
PL16-03	16	25.5	R 3/8	55.6	44.1	11.0	24.0	24	10.0	67.0	20
PL16-04			R 1/2	58.3		14.0		24	13.0	76.0	20



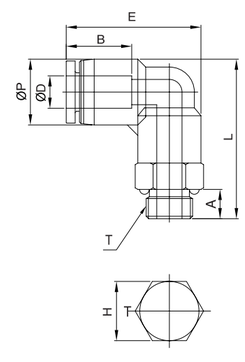
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL-5/32-U	5/32	10.5	UNF10/32	26.7	23.7	3.6	16.2	7/16	2.5	7.8	100
PL-5/32-N1			NPT1/8	30.3		8.5		7/16	3.0	9.8	100
PL-5/32-N2			NPT1/4	33.3		10.5		9/16	3.0	16.8	100
PL-3/16-U	3/16	11.5	UNF10/32	27.2	24.2	3.6	16.8	7/16	3.0	7.7	100
PL-3/16-N1			NPT1/8	30.8		8.5		7/16	3.0	9.7	100
PL-3/16-N2			NPT1/4	33.8		10.5		9/16	3.0	16.7	100
PL-3/16-N3			NPT3/8	34.8		11.5		11/16	3.0	18.7	50
PL-1/4-U	1/4	13.0	UNF10/32	32.4	26.5	3.6	17.3	1/2	2.5	11.7	100
PL-1/4-N1			NPT1/8	34.3		8.5		1/2	4.5	14.7	100
PL-1/4-N2			NPT1/4	37.0		10.5		9/16	4.5	19.7	100
PL-1/4-N3			NPT3/8	38.0		11.5		11/16	4.5	32.7	50
PL-5/16-N1	5/16	14.5	NPT1/8	36.7	30.1	8.5	18.2	9/16	6.0	17.7	100
PL-5/16-N2			NPT1/4	38.7		10.5		9/16	6.0	22.7	50
PL-5/16-N3			NPT3/8	39.7		11.5		11/16	6.0	35.7	50
PL-5/16-N4			NPT1/2	42.7		14.5		7/8	6.0	55.7	25
PL-3/8-N1	3/8	17.5	NPT1/8	38.8	32.3	8.5	19.9	11/16	5.0	24.2	50
PL-3/8-N2			NPT1/4	40.8		10.5		11/16	7.0	28.2	50
PL-3/8-N3			NPT3/8	41.8		11.5		11/16	7.0	33.2	50
PL-3/8-N4			NPT1/2	44.8		14.5		7/8	7.0	53.2	25
PL-1/2-N2	1/2	21.0	NPT1/4	46.0	37.8	10.5	23.0	3/4	8.0	36.0	25
PL-1/2-N3			NPT3/8	47.0		11.5		3/4	9.0	45.0	25
PL-1/2-N4			NPT1/2	50.0		14.5		7/8	9.0	63.0	25



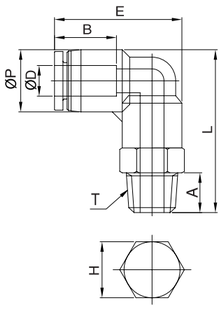
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL04-G01	4	10.5	G 1/8	27.4	23.8	5.0	16.8	14	3.0	12.8	100
PL04-G02			G 1/4	29.4		6.5		17	3.0	15.8	100
PL04-G03			G 3/8	30.4		6.5		20	3.0	21.8	100
PL06-G01	6	12.5	G 1/8	30.6	26.5	5.0	17.6	14	4.0	13.7	100
PL06-G02			G 1/4	32.6		6.5		17	4.0	19.7	100
PL06-G03			G 3/8	33.6		6.5		20	4.0	23.7	50
PL08-G01	8	14.5	G 1/8	32.9	29.7	5.0	18.7	14	6.0	14.7	50
PL08-G02			G 1/4	34.9		6.5		17	6.0	21.7	50
PL08-G03			G 3/8	35.9		6.5		20	6.0	26.7	50
PL08-G04			G 1/2	36.9		8.0		24	6.0	36.7	50
PL10-G01	10	17.5	G 1/8	35.4	32.1	5.0	19.6	17	7.0	23.2	50
PL10-G02			G 1/4	37.4		6.5		17	7.0	22.2	50
PL10-G03			G 3/8	38.4		6.5		20	7.0	29.2	50
PL10-G04			G 1/2	39.4		8.0		24	7.0	41.2	25
PL12-G02	12	20.5	G 1/4	41.4	36.9	6.5	21.9	19	8.0	33.1	25
PL12-G03			G 3/8	42.4		6.5		20	10.0	34.1	25
PL12-G04			G 1/2	43.4		8.0		24	10.0	47.1	25
PL16-G03	16	25.5	G 3/8	53.5	44.1	6.5	24.0	24	10.0	64.0	20
PL16-G04			G 1/2	54.5		8.0		24	13.0	69.0	20



INCH-BSPT(R)

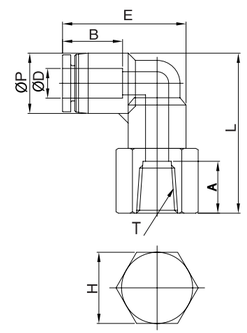
MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL1/4-01	1/4	13.0	R1/8	33.5	26.5	8.0	17.3	12	4.0	14.7	100
PL1/4-02			R1/4	36.5		10.0		14	4.0	19.7	100
PL1/4-03			R3/8	37.5		11.0		17	4.0	32.7	50
PL5/16-01	5/16	14.5	R1/8	35.2	30.1	8.0	18.2	14	6.0	17.7	50
PL5/16-02			R1/4	38.2		10.0		14	6.0	22.7	50
PL5/16-03			R3/8	39.2		11.0		17	6.0	35.7	50
PL3/8-01	3/8	17.5	R1/8	37.3	32.3	8.0	19.9	17	6.0	24.2	50
PL3/8-02			R1/4	40.3		10.0		17	7.0	28.2	50
PL3/8-03			R3/8	41.3		11.0		17	7.0	33.2	50
PL3/8-04			R1/2	44.3		14.0		21	7.0	53.2	25
PL1/2-02	1/2	21.0	R1/4	45.5	37.8	10.0	23.0	19	7.0	36.0	25
PL1/2-03			R3/8	46.5		11.0		19	9.0	45.0	25
PL1/2-04			R1/2	49.5		14.0		21	9.0	63.0	25



PLF

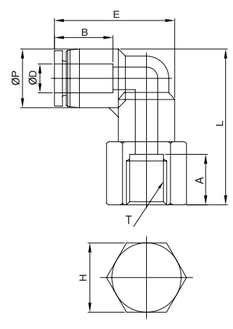
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF 04-M5	4	10.5	M5×0.8p	23.8	23.8	7.0	16.8	10	2.5	9.8	50
PLF 04-M6			M6×1.0p	23.8		7.0		10		9.8	50
PLF 04-01			Rc 1/8	24.8		8.0		14		14.8	50
PLF 04-02			Rc 1/4	26.8		10.0		17		20.8	50
PLF 06-M5	6	12.5	M5×0.8p	29.8	26.5	7.0	17.6	12	4.0	15.7	50
PLF 06-M6			M6×1.0p	29.8		7.0		12		15.7	50
PLF 06-01			Rc 1/8	30.8		8.0		14		16.7	50
PLF 06-02			Rc 1/4	32.8		10.0		17		22.7	50
PLF 06-03			Rc 3/8	33.8		11.0		22		34.7	50
PLF 06-04			Rc 1/2	35.8		14.0		24		36.7	50
PLF 08-01	8	14.8	Rc 1/8	33.2	29.7	8.0	18.7	14	6.0	18.7	50
PLF 08-02			Rc 1/4	35.2		10.0		17		25.7	50
PLF 08-03			Rc 3/8	36.2		11.0		22		37.7	50
PLF 08-04			Rc 1/2	38.2		14.0		24		39.7	25
PLF 10-01	10	17.5	Rc 1/8	37.3	32.1	8.0	19.6	17	7.0	22.2	25
PLF 10-02			Rc 1/4	37.3		10.0		17		28.2	25
PLF 10-03			Rc 3/8	38.3		11.0		22		41.2	25
PLF 10-04			Rc 1/2	40.3		14.0		24		43.2	20
PLF 12-02	12	20.5	Rc 1/4	41.7	36.9	10.0	21.9	19	10.0	39.1	20
PLF 12-03			Rc 3/8	42.7		11.0		22		46.1	20
PLF 12-04			Rc 1/2	44.7		14.0		24		48.1	20



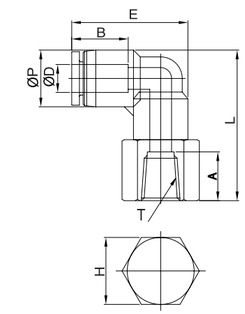
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF 04-G01	4	10.5	G 1/8	24.8	23.8	8.0	16.8	14	3.0	13.8	50
PLF 04-G02			G 1/4	26.8		10.0		17	3.0	18.8	50
PLF 06-G01	6	12.5	G 1/8	30.8	26.5	8.0	17.6	14	4.0	15.7	50
PLF 06-G02			G 1/4	32.8		10.0		17	4.0	21.7	50
PLF 06-G03			G 3/8	33.8		11.0		22	4.0	34.7	50
PLF 08-G01	8	14.5	G 1/8	33.2	29.7	8.0	18.7	14	6.0	18.7	50
PLF 08-G02			G 1/4	35.2		10.0		17	6.0	21.7	50
PLF 08-G03			G 3/8	36.2		11.0		22	6.0	36.7	50
PLF 08-G04			G 1/2	38.2		14.0		24	6.0	38.7	25
PLF 10-G01	10	17.5	G 1/8	37.3	32.1	8.0	19.6	17	7.0	29.2	25
PLF 10-G02			G 1/4	37.3		10.0		17	7.0	27.2	25
PLF 10-G03			G 3/8	38.3		11.0		22	7.0	40.2	25
PLF 10-G04			G 1/2	40.3		14.0		24	7.0	42.2	20
PLF 12-G02	12	20.5	G 1/4	41.7	36.9	10.0	21.9	19	8.0	37.1	20
PLF 12-G03			G 3/8	42.7		11.0		22	10.0	44.1	20
PLF 12-G04			G 1/2	44.7		14.0		24	10.0	46.1	20



INCH-NPT

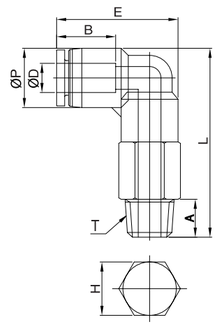
MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF-5/32-U	5/32	10.5	UNF10/32	21.5	18.6	7.0	16.2	7/16	2.5	7.8	100
PLF-5/32-N1			NPT1/8	22.5		8.5		9/16	2.5	15.8	100
PLF-5/32-N2			NPT1/4	22.5		10.5		11/16	2.5	19.8	100
PLF-3/16-U	3/16	11.5	UNF10/32	20.5	19.1	7.0	16.8	7/16	2.5	7.7	100
PLF-3/16-N1			NPT1/8	22.5		8.5		9/16	2.5	15.7	50
PLF-3/16-N2			NPT1/4	25.5		10.5		11/16	2.5	19.7	50
PLF-1/4-U	1/4	13.0	UNF10/32	21.0	20.4	7.0	17.3	1/2	3.0	11.7	100
PLF-1/4-N1			NPT1/8	25.0		8.5		9/16	4.0	20.7	50
PLF-1/4-N2			NPT1/4	27.0		10.5		11/16	4.0	22.7	50
PLF-1/4-N3			NPT3/8	28.0		11.5		7/8	4.0	24.7	50
PLF-5/16-N1	5/16	14.5	NPT1/8	25.9	22.3	8.5	18.2	9/16	6.0	18.7	50
PLF-5/16-N2			NPT1/4	27.9		10.5		11/16	6.0	25.7	25
PLF-5/16-N3			NPT3/8	28.9		11.5		7/8	6.0	28.7	25
PLF-3/8-N2	3/8	17.5	NPT1/4	28.5	23.9	10.5	19.9	11/16	7.0	32.2	25
PLF-3/8-N3			NPT3/8	29.5		11.5		7/8	7.0	36.2	25
PLF-3/8-N4			NPT1/2	33.0		14.5		15/16	7.0	40.8	20
PLF-1/2-N3	1/2	21.0	NPT3/8	33.0	28.5	11.5	23.0	7/8	9.0	57.0	20
PLF-1/2-N4			NPT1/2	36.5		14.5		15/16	9.0	75.0	15



PLL

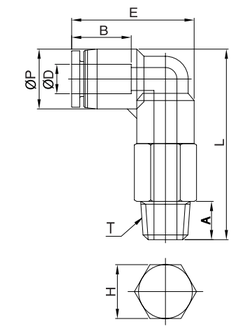
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL 04-M5	4	10.5	M5×0.8p	38.8	23.8	4.6	16.8	10	2.0	15.8	50
PLL 04-M6			M6×1.0p	38.5		4.3		10	3.0	15.8	50
PLL 04-01			R1/8	40.8		8.0		10	3.0	15.8	50
PLL 04-02			R1/4	42.8		10.0		14	3.0	26.8	50
PLL 04-03			R3/8	43.8		11.0		17	3.0	40.8	50
PLL 06-M5	6	12.5	M5×0.8p	44.3	26.5	4.6	17.6	12	2.0	27.7	50
PLL 06-M6			M6×1.0p	44.0		4.3		12	3.0	27.7	50
PLL 06-01			R1/8	46.3		8.0		12	4.0	27.7	50
PLL 06-02			R1/4	48.3		10.0		14	4.0	34.7	50
PLL 06-03			R3/8	49.3		11.0		17	4.5	45.7	50
PLL 06-04			R1/2	52.3		14.0		21	4.0	69.7	25
PLL 08-01	8	14.8	R1/8	51.2	29.7	8.0	18.7	14	6.0	35.7	50
PLL 08-02			R1/4	53.2		10.0		14	6.0	39.7	50
PLL 08-03			R3/8	54.2		11.0		17	6.0	55.7	25
PLL 08-04			R1/2	57.2		14.0		22	6.0	99.7	25
PLL 10-01	10	17.5	R1/8	48.5	32.1	8.0	19.6	17	6.0	60.2	25
PLL 10-02			R1/4	50.5		10.0		17	7.0	64.2	25
PLL 10-03			R3/8	51.5		11.0		17	7.0	63.2	25
PLL 10-04			R1/2	54.5		14.0		22	7.0	99.2	25
PLL 12-01	12	20.5	R1/8	64.2	36.9	8.0	21.9	19	8.0	89.1	25
PLL 12-02			R1/4	66.2		10.0		19	8.0	89.1	25
PLL 12-03			R3/8	67.2		11.0		19	10.0	89.1	25
PLL 12-04			R1/2	70.2		14.0		22	10.0	106.1	25



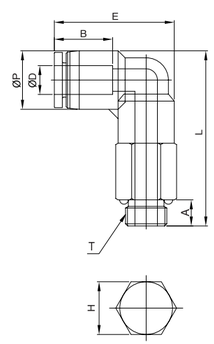
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL-5/32-U	5/32	10.5	UNF10/32	32.5	18.6	3.6	16.2	7/16	2.0	15.8	100
PLL-5/32-N1			NPT1/8	35.5		8.5		7/16	3.0	17.8	100
PLL-5/32-N2			NPT1/4	38.5		10.5		9/16	3.0	31.8	50
PLL-3/16-U	3/16	11.5	UNF10/32	32.5	19.1	3.6	16.8	7/16	2.0	15.7	50
PLL-3/16-N1			NPT1/8	35.5		8.5		7/16	3.0	17.7	50
PLL-3/16-N2			NPT1/4	38.5		10.5		9/16	3.0	31.7	50
PLL-3/16-N3			NPT3/8	38.5		11.5		11/16	3.0	39.7	50
PLL-1/4-U	1/4	13.0	UNF10/32	37.5	20.4	3.6	17.3	1/2	2.0	27.7	50
PLL-1/4-N1			NPT1/8	41.3		8.5		1/2	4.5	28.7	50
PLL-1/4-N2			NPT1/4	44.0		10.5		9/16	4.5	34.7	50
PLL-1/4-N3			NPT3/8	45.0		11.5		11/16	4.5	49.7	50
PLL-5/16-N1	5/16	14.5	NPT1/8	44.4	22.3	8.5	18.2	9/16	6.0	35.7	50
PLL-5/16-N2			NPT1/4	46.4		10.5		9/16	6.0	39.7	50
PLL-5/16-N3			NPT3/8	50.4		11.5		11/16	6.0	59.7	25
PLL-3/8-N2	3/8	17.5	NPT1/4	50.0	23.9	10.5	19.9	11/16	7.0	64.2	25
PLL-3/8-N3			NPT3/8	51.0		11.5		11/16	7.0	69.2	25
PLL-3/8-N4			NPT1/2	54.0		14.5		7/8	7.0	99.2	20
PLL-1/2-N2	1/2	21.0	NPT1/4	57.5	28.5	10.5	23.0	3/4	8.0	89.0	20
PLL-1/2-N3			NPT3/8	58.5		11.5		3/4	9.0	119.0	20
PLL-1/2-N4			NPT1/2	61.5		14.5		7/8	9.0	159.0	20



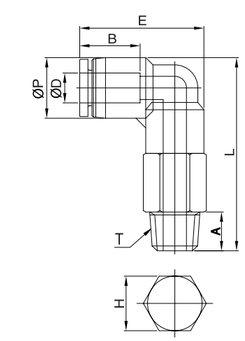
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL04-G01	4	10.5	G 1/8	39.4	23.8	5.0	16.8	14	2.0	26.8	50
PLL04-G02			G 1/4	41.4		6.5		17	2.0	38.8	50
PLL04-G03			G 3/8	42.9		6.5		20	2.0	53.8	50
PLL06-G01	6	12.5	G 1/8	45.6	26.5	5.0	17.6	14	4.0	30.7	50
PLL06-G02			G 1/4	47.6		6.5		17	4.0	41.7	50
PLL06-G03			G 3/8	48.6		6.5		20	4.0	55.7	50
PLL08-G01	8	14.5	G 1/8	50.9	29.7	5.0	18.7	14	6.0	33.7	50
PLL08-G02			G 1/4	52.9		6.5		17	6.0	50.7	50
PLL08-G03			G 3/8	53.9		6.5		20	6.0	61.7	25
PLL08-G04			G 1/2	54.9		8.0		24	6.0	101.7	25
PLL10-G01	10	17.5	G 1/8	55.4	32.1	5.0	19.6	17	6.0	58.2	25
PLL10-G02			G 1/4	57.4		6.5		17	8.0	55.2	25
PLL10-G03			G 3/8	58.4		6.5		20	8.0	72.2	25
PLL10-G04			G 1/2	59.4		8.0		24	8.0	102.2	25
PLL12-G02	12	20.5	G 1/4	66.4	36.9	6.5	21.9	19	8.0	82.1	25
PLL12-G03			G 3/8	67.4		6.5		20	10.0	84.1	25
PLL12-G04			G 1/2	68.4		8.0		24	10.0	118.1	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL1/4-01	1/4	13.0	R1/8	40.8	20.4	8.0	17.3	12	4.0	28.7	50
PLL1/4-02	1/4	13.0	R1/4	42.5	20.4	10.0	17.3	14	4.0	34.7	50
PLL5/16-01	5/16	14.5	R1/8	43.9	22.3	8.0	18.2	14	6.0	35.7	50
PLL5/16-02	5/16	14.5	R1/4	45.9	22.3	10.0	18.2	14	6.0	39.7	50
PLL3/8-02	3/8	17.5	R1/4	49.7	23.9	10.0	19.9	17	7.0	64.2	25
PLL3/8-03	3/8	17.5	R3/8	50.7	23.9	11.0	19.9	17	7.0	69.2	25

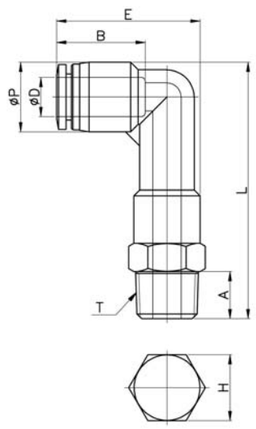


One -Touch Fittings

PLLP

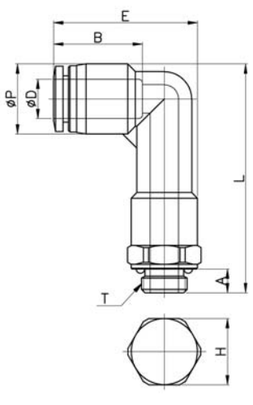
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLLP04-M5	4	10.5	M5×0.8p	37.8	23.7	4.0	15.0	10	2.5	5.6	50
PLLP04-M6			M6×1.0p	37.9		4.1		10	3.0	8.0	50
PLLP04-01			R1/8	41.8		8.0		10	3.0	9.9	50
PLLP04-02			R1/4	43.8		10.0		14	3.0	14.9	50
PLLP04-03			R3/8	44.8		11.0		17	3.0	23.7	50
PLLP06-M5	6	12.5	M5×0.8p	42.8	26.4	4.0	16.5	12	2.5	7.1	50
PLLP06-M6			M6×1.0p	42.9		4.1		12	3.0	11.8	50
PLLP06-01			R1/8	46.8		8.0		12	4.0	13.8	50
PLLP06-02			R1/4	49.8		10.0		14	4.0	18.9	50
PLLP06-03			R3/8	50.8		11.0		17	4.0	26.1	50
PLLP06-04			R1/2	53.8		14.0		21	4.0	40.3	25
PLLP08-01	8	14.8	R1/8	51.4	30.4	8.0	18.8	14	6.0	18.0	50
PLLP08-02			R1/4	54.4		10.0		14	6.0	20.9	50
PLLP08-03			R3/8	55.4		11.0		17	6.0	27.7	25
PLLP08-04			R1/2	58.4		14.0		21	6.0	42.7	25
PLLP10-01	10	17.5	R1/8	56.3	33.1	8.0	20.1	17	6.0	27.7	25
PLLP10-02			R1/4	59.3		10.0		17	8.0	29.6	25
PLLP10-03			R3/8	60.3		11.0		17	8.0	31.7	25
PLLP10-04			R1/2	63.3		14.0		22	8.0	50.5	25
PLLP12-01	12	20.5	R1/8	64.7	38.2	8.0	22.9	19	6.0	42.1	25
PLLP12-02			R1/4	66.7		10.0		19	9.0	38.3	25
PLLP12-03			R3/8	67.7		11.0		19	10.0	42.0	25
PLLP12-04			R1/2	70.7		14.0		21	10.0	51.4	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLLP04-G01	4	10.5	G 1/8	38.8	23.7	5.0	15.0	14	3.0	12.9	50
PLLP04-G02			G 1/4	40.8		6.5		17	3.0	16.9	50
PLLP04-G03			G 3/8	40.3		6.5		20	3.0	19.7	50
PLLP06-G01	6	12.5	G 1/8	43.8	26.4	5.0	16.5	14	4.0	15.8	50
PLLP06-G02			G 1/4	45.8		6.5		17	4.0	17.9	50
PLLP06-G03			G 3/8	45.3		6.5		20	4.0	24.1	50
PLLP08-G01	8	14.8	G 1/8	48.4	30.4	5.0	18.8	14	6.0	16.0	50
PLLP08-G02			G 1/4	50.4		6.5		17	6.0	19.9	50
PLLP08-G03			G 3/8	19.9		6.5		20	6.0	25.7	25
PLLP08-G04			G 1/2	51.4		8.0		24	6.0	36.7	25
PLLP10-G01	10	17.5	G 1/8	53.3	33.1	5.0	20.1	17	6.0	24.7	25
PLLP10-G02			G 1/4	55.3		6.5		17	8.0	25.6	25
PLLP10-G03			G 3/8	54.8		6.5		20	8.0	29.7	25
PLLP10-G04			G 1/2	56.3		8.0		24	8.0	44.5	25
PLLP12-G02	12	20.5	G 1/4	62.7	38.2	6.5	22.9	19	8.0	34.3	25
PLLP12-G03			G 3/8	62.2		6.5		20	10.0	37.0	25
PLLP12-G04			G 1/2	63.7		8.0		24	10.0	44.4	25



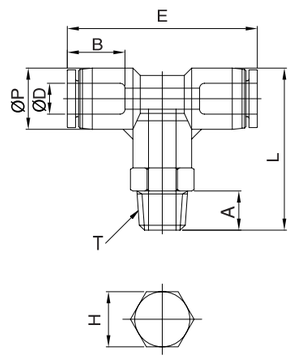
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PT

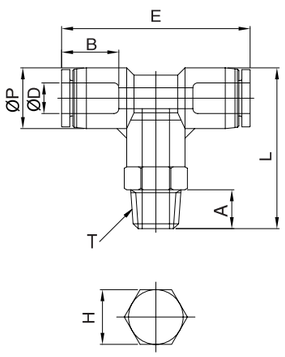
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PT 04-M5	4	10.5	M5×0.8p	20.5	37.3	4.6	16.8	10	2.0	9.6	100
PT 04-M6			M6×1.0p	20.6		4.1		10	2.5	9.6	100
PT 04-01			R1/8	24.5		8.0		10	3.0	10.6	100
PT 04-02			R1/4	26.5		10.0		14	3.0	17.6	100
PT 04-03			R3/8	27.5		11.0		17	3.0	25.6	50
PT 06-M5	6	12.5	M5×0.8p	24.0	40.7	4.6	17.6	12	2.0	14.4	50
PT 06-M6			M6×1.0p	22.6		4.1		12	3.0	14.4	50
PT 06-01			R1/8	26.5		8.0		12	4.5	16.4	50
PT 06-02			R1/4	29.5		10.0		14	4.5	22.4	50
PT 06-03			R3/8	30.5		11.0		17	4.5	31.4	50
PT 06-04			R1/2	33.5		14.0		21	4.5	48.4	25
PT 08-01	8	14.8	R1/8	28.0	45.1	8.0	18.7	14	6.0	20.4	50
PT 08-02			R1/4	31.0		10.0		14	6.0	24.4	50
PT 08-03			R3/8	32.0		11.0		17	6.0	32.4	50
PT 08-04			R1/2	35.0		14.0		21	6.5	50.4	25
PT 10-01	10	17.5	R1/8	28.5	47.4	8.0	19.6	17	6.0	30.4	25
PT 10-02			R1/4	31.5		10.0		17	7.0	35.4	25
PT 10-03			R3/8	32.5		11.0		17	7.0	39.4	25
PT 10-04			R1/2	35.5		14.0		21	7.0	58.4	25
PT 12-01	12	20.5	R1/8	32.4	55.3	8.0	21.9	19	6.0	45.8	25
PT 12-02			R1/4	34.4		10.0		19	7.0	47.8	25
PT 12-03			R3/8	35.4		11.0		19	10.0	53.8	25
PT 12-04			R1/2	38.4		14.0		21	10.0	59.8	20
PT 16-03	16	25.5	R3/8	42.8	64.6	11.0	24.0	24	10.0	84.0	12
PT 16-04			R1/2	45.8		14.0		24	13.0	91.0	12



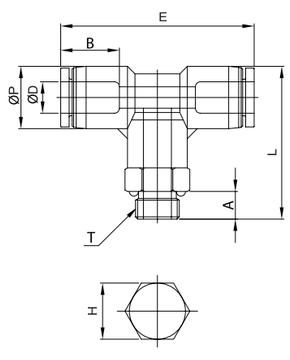
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PT5/32-U	5/32	10.5	UNF10/32	26.7	37.0	3.6	16.2	7/16	2.5	9.6	100
PT5/32-N1			NPT1/8	30.3		8.5		7/16	3.0	11.6	100
PT5/32-N2			NPT1/4	33.3		10.5		9/16	3.0	15.6	100
PT3/16-U	3/16	11.5	UNF10/32	27.2	38.2	3.6	16.8	7/16	3.0	9.4	50
PT3/16-N1			NPT1/8	30.8		8.5		7/16	3.0	11.4	50
PT3/16-N2			NPT1/4	33.8		10.5		9/16	3.0	15.4	50
PT3/16-N3			NPT3/8	34.8		11.5		11/16	3.0	19.4	50
PT1/4-U	1/4	13.0	UNF10/32	32.4	40.8	3.6	17.3	1/2	2.5	14.4	50
PT1/4-N1			NPT1/8	34.3		8.5		1/2	4.5	16.4	50
PT1/4-N2			NPT1/4	37.0		10.5		9/16	4.5	22.4	50
PT1/4-N3			NPT3/8	38.0		11.5		11/16	4.5	42.4	50
PT5/16-N1	5/16	14.5	NPT1/8	36.7	43.7	8.5	18.2	9/16	6.0	22.4	50
PT5/16-N2			NPT1/4	38.7		10.5		9/16	6.0	26.4	50
PT5/16-N3			NPT3/8	39.7		11.5		11/16	6.0	30.4	25
PT5/16-N4			NPT1/2	42.7		14.5		7/8	6.0	50.4	25
PT3/8-N1	3/8	17.5	NPT1/8	38.8	47.7	8.5	19.9	11/16	5.0	34.4	25
PT3/8-N2			NPT1/4	40.8		10.5		11/16	7.0	38.4	25
PT3/8-N3			NPT3/8	41.8		11.5		11/16	7.0	43.4	25
PT3/8-N4			NPT1/2	44.8		14.5		7/8	7.0	58.4	25
PT1/2-N2	1/2	21.0	NPT1/4	46.0	56.5	10.5	23.0	3/4	8.0	45.0	25
PT1/2-N3			NPT3/8	47.0		11.5		3/4	9.0	54.0	25
PT1/2-N4			NPT1/2	50.0		14.5		7/8	9.0	74.0	20



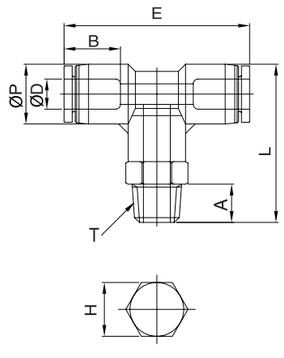
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PT04-G01	4	10.5	G1/8	27.8	37.6	5.0	16.8	14	3.0	13.6	100
PT04-G02			G1/4	29.8		6.5		17	3.0	18.6	100
PT04-G03			G3/8	29.3		6.5		20	3.0	23.6	50
PT06-G01	6	12.5	G1/8	30.8	41.0	5.0	17.6	14	4.0	16.4	50
PT06-G02			G1/4	32.8		6.5		17	4.0	21.4	50
PT06-G03			G3/8	32.8		6.5		20	4.0	26.4	50
PT08-G01	8	14.5	G1/8	33.3	44.4	5.0	18.7	14	6.0	18.4	50
PT08-G02			G1/4	35.3		6.5		17	6.0	25.4	50
PT08-G03			G3/8	35.3		6.5		20	6.0	29.4	50
PT08-G04			G1/2	36.3		8.0		24	6.0	40.4	25
PT10-G01	10	17.5	G1/8	35.3	47.2	5.0	19.6	17	7.0	28.4	25
PT10-G02			G1/4	37.3		6.5		17	7.0	27.4	25
PT10-G03			G3/8	37.3		6.5		20	7.0	33.4	25
PT10-G04			G1/2	38.3		8.0		24	7.0	45.4	25
PT12-G02	12	20.5	G1/4	42.7	54.8	6.5	21.9	19	8.0	40.2	25
PT12-G03			G3/8	42.7		6.5		20	10.0	42.2	25
PT12-G04			G1/2	43.7		8.0		24	10.0	53.2	20



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PT1/4-01	1/4	13.0	R1/8	33.5	40.8	8.0	17.3	12	4.0	16.4	50
PT1/4-02			R1/4	36.5		10.0		14	4.0	22.4	50
PT1/4-03			R3/8	37.5		11.0		17	4.0	42.4	50
PT5/16-01	5/16	14.5	R1/8	35.2	43.7	8.0	18.2	14	6.0	22.4	50
PT5/16-02			R1/4	38.2		10.0		14	6.0	26.4	50
PT5/16-03			R3/8	39.2		11.0		17	6.0	30.4	25
PT3/8-01	3/8	17.5	R1/8	37.3	47.7	8.0	19.9	17	6.0	34.4	25
PT3/8-02			R1/4	40.3		10.0		17	7.0	38.4	25
PT3/8-03			R3/8	41.3		11.0		17	7.0	43.4	25
PT3/8-04			R1/2	44.3		14.0		21	7.0	58.4	25
PT1/2-02	1/2	21.0	R1/4	45.5	56.5	10.0	23.0	19	7.0	45.0	25
PT1/2-03			R3/8	46.5		11.0		19	9.0	54.0	25
PT1/2-04			R1/2	49.5		14.0		21	9.0	74.0	20



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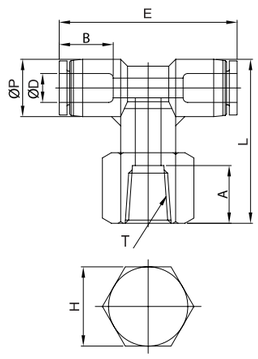
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PTF

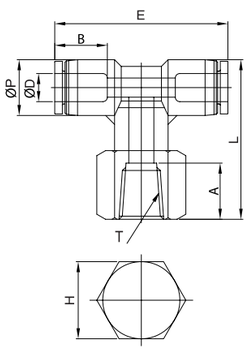
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PTF04-M5	4	10.5	M5×0.8p	21.5	37.6	7.0	16.8	10	2.5	11.6	100
PTF04-M6			M6×1.0p	21.5		7.0		10		11.6	100
PTF04-01			Rc1/8	22.5		8.0		14		15.6	100
PTF04-02			Rc1/4	24.5		10.0		17		21.6	50
PTF06-M5	6	12.5	M5×0.8p	23.5	41.0	7.0	17.6	12	4.0	17.4	50
PTF06-M6			M6×1.0p	23.5		7.0		12		17.4	50
PTF06-01			Rc1/8	24.5		8.0		14		18.4	50
PTF06-02			Rc1/4	26.5		10.0		17		24.4	50
PTF06-03			Rc3/8	27.5		11.0		22		38.4	25
PTF08-01	8	14.8	Rc1/8	26.0	44.4	8.0	18.7	14	6.0	22.4	50
PTF08-02			Rc1/4	28.0		10.0		17		27.4	25
PTF08-03			Rc3/8	29.0		11.0		22		40.4	25
PTF08-04			Rc1/2	31.0		14.0		24		41.4	25
PTF10-01	10	17.5	Rc1/8	28.5	47.2	8.0	19.6	17	7.0	38.4	25
PTF10-02			Rc1/4	28.5		10.0		17		33.4	25
PTF10-03			Rc3/8	29.5		11.0		22		46.4	20
PTF10-04			Rc1/2	31.5		14.0		24		46.4	20
PTF12-02	12	20.5	Rc1/4	31.4	54.8	10.0	21.9	19	10.0	46.2	20
PTF12-03			Rc3/8	32.4		11.0		22		53.2	20
PTF12-04			Rc1/2	34.4		14.0		24		54.2	15



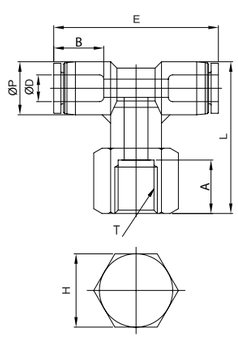
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PTF5/32-U	5/32	10.5	UNF10/32	21.5	18.6	7.0	16.2	13/32	2.5	11.6	100
PTF5/32-N1			NPT1/8	22.5		8.5		9/16	2.5	12.6	100
PTF5/32-N2			NPT1/4	22.5		10.5		11/16	2.5	19.6	50
PTF3/16-U	3/16	11.5	UNF10/32	21.5	19.1	7.0	16.8	7/16	2.5	11.4	100
PTF3/16-N1			NPT1/8	22.5		8.5		9/16	2.5	12.4	50
PTF3/16-N2			NPT1/4	22.5		10.5		11/16	2.5	19.4	50
PTF1/4-U	1/4	13.0	UNF10/32	21.0	20.4	7.0	17.3	1/2	3.0	19.4	50
PTF1/4-N1			NPT1/8	25.0		8.5		9/16	4.0	34.4	50
PTF1/4-N2			NPT1/4	27.0		10.5		11/16	4.0	37.4	50
PTF1/4-N3			NPT3/8	28.0		11.5		7/8	4.0	39.4	50
PTF5/16-N1	5/16	14.5	NPT1/8	26.0	22.3	8.5	18.2	9/16	6.0	39.4	50
PTF5/16-N2			NPT1/4	28.0		10.5		11/16	6.0	42.4	25
PTF5/16-N3			NPT3/8	29.0		11.5		7/8	6.0	45.4	25
PTF3/8-N2	3/8	17.5	NPT1/4	28.5	23.9	10.5	19.9	11/16	7.0	68.4	25
PTF3/8-N3			NPT3/8	29.5		11.5		7/8	7.0	76.4	20
PTF3/8-N4			NPT1/2	33.0		14.5		15/16	7.0	59.4	20
PTF1/2-N3	1/2	21.0	NPT3/8	33.0	28.5	11.5	23.0	7/8	9.0	98.0	20
PTF1/2-N4			NPT1/2	36.5		14.5		15/16	9.0	124.0	15



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PTF04-G01	4	10.5	G1/8	24.8	37.6	8.0	16.8	14	3.0	15.6	100
PTF04-G02			G1/4	26.8		10.0		17	3.0	20.6	100
PTF06-G01	6	12.5	G1/8	30.8	41.0	8.0	17.6	14	4.0	17.4	50
PTF06-G02			G1/4	32.8		10.0		17	4.0	23.4	50
PTF06-G03			G3/8	33.8		11.0		22	4.0	36.4	25
PTF08-G01	8	14.5	G1/8	33.2	44.4	8.0	18.7	14	6.0	23.4	50
PTF08-G02			G1/4	35.2		10.0		17	6.0	26.4	25
PTF08-G03			G3/8	36.2		11.0		22	6.0	40.4	25
PTF08-G04			G1/2	38.2		14.0		24	6.0	42.4	25
PTF10-G01	10	17.5	G1/8	37.3	47.2	8.0	19.6	17	7.0	34.4	25
PTF10-G02			G1/4	37.3		10.0		17	7.0	32.4	25
PTF10-G03			G3/8	38.3		11.0		22	7.0	45.4	20
PTF10-G04			G1/2	40.3		14.0		24	7.0	47.4	20
PTF12-G02	12	20.5	G1/4	41.7	54.8	10.0	21.9	19	8.0	43.2	20
PTF12-G03			G3/8	42.7		11.0		22	10.0	50.2	20
PTF12-G04			G1/2	44.7		14.0		24	10.0	52.2	15

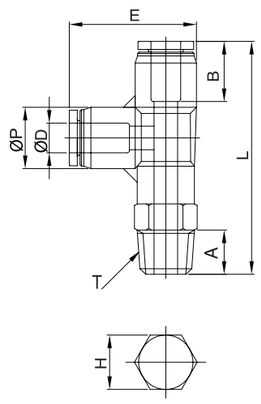


One -Touch Fittings

PST

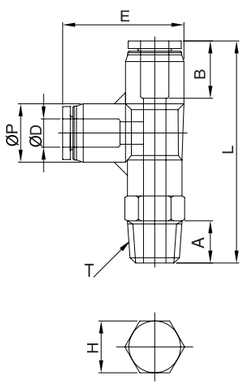
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PST 04-M5	4	10.5	M5×0.8p	42.3	25.1	4.6	16.8	10	2.0	10.6	100
PST 04-M6			M6×1.0p	41.3		4.1		10	2.5	10.6	100
PST 04-01			R1/8	45.3		8.0		10	3.0	11.6	100
PST 04-02			R1/4	48.3		10.0		14	3.0	17.6	100
PST 04-03			R3/8	48.3		11.0		17	3.0	26.6	50
PST 06-M5	6	12.5	M5×0.8p	46.1	28.1	4.6	17.6	12	2.0	15.4	50
PST 06-M6			M6×1.0p	44.6		4.1		12	3.0	15.4	50
PST 06-01			R1/8	48.6		8.0		12	4.5	17.4	50
PST 06-02			R1/4	51.2		10.0		14	4.5	25.4	50
PST 06-03			R3/8	52.2		11.0		17	4.5	29.4	50
PST 06-04			R1/2	55.5		14.0		21	4.5	32.4	25
PST 08-01	8	14.8	R1/8	52.2	30.9	8.0	18.7	14	6.0	22.4	50
PST 08-02			R1/4	55.2		10.0		14	6.0	27.4	50
PST 08-03			R3/8	56.2		11.0		17	6.0	34.4	50
PST 08-04			R1/2	59.2		14.0		21	6.5	53.4	25
PST 10-01	10	17.5	R1/8	55.6	34.6	8.0	19.6	17	6.0	28.4	25
PST 10-02			R1/4	58.6		10.0		17	7.0	34.4	25
PST 10-03			R3/8	59.6		11.0		17	7.0	38.4	25
PST 10-04			R1/2	62.6		14.0		21	7.0	58.4	25
PST 12-01	12	20.5	R1/8	62.8	40.3	8.0	21.9	19	6.0	47.8	25
PST 12-02			R1/4	64.8		10.0		19	7.0	50.8	25
PST 12-03			R3/8	65.8		11.0		19	10.0	53.8	25
PST 12-04			R1/2	68.8		14.0		21	10.0	61.8	20



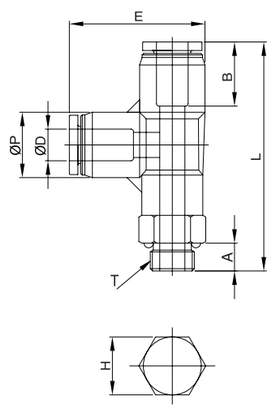
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PST5/32-U	5/32	10.5	UNF10/32	42.1	25.0	3.6	16.2	7/16	2.5	9.6	100
PST5/32-N1			NPT1/8	45.7		8.5		7/16	3.0	11.6	100
PST5/32-N2			NPT1/4	48.7		10.5		9/16	3.0	15.6	50
PST3/16-U	3/16	11.5	UNF10/32	41.5	25.1	3.6	16.8	7/16	3.0	9.4	50
PST3/16-N1			NPT1/8	45.1		8.5		7/16	3.0	11.4	50
PST3/16-N2			NPT1/4	48.1		10.5		9/16	3.0	15.4	50
PST3/16-N3			NPT3/8	49.1		11.5		11/16	3.0	19.4	50
PST1/4-U	1/4	13.0	UNF10/32	47.4	28.0	3.6	17.3	1/2	2.5	14.4	50
PST1/4-N1			NPT1/8	49.3		8.5		1/2	4.5	16.4	50
PST1/4-N2			NPT1/4	52.0		10.5		9/16	4.5	22.4	50
PST1/4-N3			NPT3/8	53.0		11.5		11/16	4.5	42.4	50
PST5/16-N1	5/16	14.5	NPT1/8	53.7	30.9	8.5	18.2	9/16	6.0	22.4	50
PST5/16-N2			NPT1/4	55.7		10.5		9/16	6.0	26.4	50
PST5/16-N3			NPT3/8	56.7		11.5		11/16	6.0	30.4	50
PST5/16-N4			NPT1/2	59.7		14.5		7/8	6.0	50.4	25
PST3/8-N1	3/8	17.5	NPT1/8	63.3	34.7	8.5	19.9	11/16	5.0	34.4	25
PST3/8-N2			NPT1/4	65.3		10.5		11/16	7.0	38.4	25
PST3/8-N3			NPT3/8	66.3		11.5		11/16	7.0	43.4	25
PST3/8-N4			NPT1/2	69.3		14.5		7/8	7.0	58.4	25
PST1/2-N2	1/2	21.0	NPT1/4	57.3	40.8	10.5	23.0	3/4	8.0	45.0	25
PST1/2-N3			NPT3/8	58.3		11.5		3/4	10.0	54.0	25
PST1/2-N4			NPT1/2	61.3		14.5		7/8	10.0	74.0	20



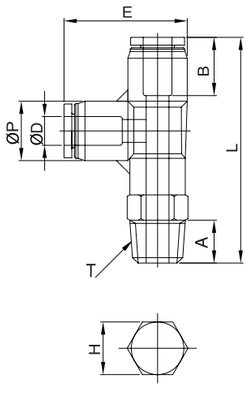
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PST04-G01	4	10.5	G1/8	42.8	25.1	5.0	16.8	14	3.0	14.6	100
PST04-G02			G1/4	44.8		6.5		17		18.6	100
PST04-G03			G3/8	44.3		6.5		20		23.6	50
PST06-G01	6	12.5	G1/8	46.9	28.1	5.0	17.6	14	4.0	16.4	50
PST06-G02			G1/4	48.9		6.5		17		22.4	50
PST06-G03			G3/8	49.9		6.5		20		27.4	50
PST08-G01	8	14.5	G1/8	50.1	30.9	5.0	18.7	14	6.0	19.4	50
PST08-G02			G1/4	52.1		6.5		17		25.4	50
PST08-G03			G3/8	53.1		6.5		20		30.4	50
PST08-G04			G1/2	54.1		8.0		24		40.4	25
PST10-G01	10	17.5	G1/8	53.8	34.6	5.0	19.6	17	8.0	28.4	25
PST10-G02			G1/4	55.8		6.5		17		28.4	25
PST10-G03			G3/8	56.8		6.5		20		34.4	25
PST10-G04			G1/2	57.8		8.0		24		48.4	25
PST12-G02	12	20.5	G1/4	62.2	40.3	6.5	21.9	19	10.0	43.2	25
PST12-G03			G3/8	63.2		6.5		20		43.2	25
PST12-G04			G1/2	64.2		8.0		24		55.2	20



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PST1/4-01	1/4	13.0	R1/8	48.5	28.0	8.0	17.3	12	4.0	16.4	50
PST1/4-02			R1/4	51.5		10.0		14	4.0	22.4	50
PST1/4-03			R3/8	52.5		11.0		17	4.0	42.4	50
PST5/16-01	5/16	14.5	R1/8	52.2	30.9	8.0	18.2	14	6.0	22.4	50
PST5/16-02			R1/4	55.2		10.0		14	6.0	26.4	50
PST5/16-03			R3/8	56.2		11.0		17	6.0	30.4	50
PST3/8-02	3/8	17.5	R1/4	64.8	34.7	10.0	19.9	17	7.0	38.4	25
PST3/8-03			R3/8	65.8		11.0		17	7.0	43.4	25
PST3/8-04			R1/2	68.8		14.0		21	7.0	58.4	25
PST1/2-02	1/2	21.0	R1/4	56.8	40.8	10.0	23.0	19	7.0	45.0	25
PST1/2-03			R3/8	57.8		11.0		19	9.0	54.0	25
PST1/2-04			R1/2	60.8		14.0		21	9.0	74.0	20



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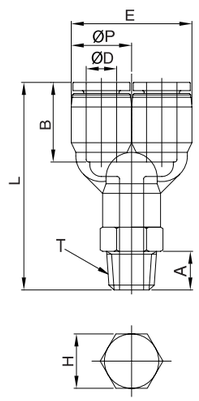
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PWT

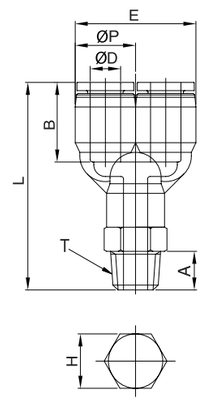
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PWT 04-M5	4	10.5	M5×0.8p	41.1	21.0	4.6	15.7	10	2.5	10.6	100
PWT 04-M6			M6×1.0p	41.1		4.1		10	2.5	10.6	100
PWT 04-01			R1/8	43.6		8.0		10	3.0	11.6	100
PWT 04-02			R1/4	45.6		10.0		14	3.0	17.6	100
PWT 04-03			R3/8	46.6		11.0		17	3.0	25.6	50
PWT 06-M5	6	12.5	M5×0.8p	42.0	25.0	4.6	17.0	12	2.5	15.4	50
PWT 06-M6			M6×1.0p	40.6		4.1		12	3.0	15.4	50
PWT 06-01			R1/8	44.5		8.0		12	4.5	18.4	50
PWT 06-02			R1/4	47.5		10.0		14	4.5	19.4	50
PWT 06-03			R3/8	48.5		11.0		17	4.5	31.4	50
PWT 06-04			R1/2	51.5		14.0		21	4.5	45.4	25
PWT 08-01	8	14.8	R1/8	47.9	29.0	8.0	19.1	14	6.0	19.4	50
PWT 08-02			R1/4	50.9		10.0		14	6.0	25.4	50
PWT 08-03			R3/8	51.9		11.0		17	6.0	33.4	50
PWT 08-04			R1/2	54.9		14.0		21	6.5	51.4	25
PWT 10-01	10	17.5	R1/8	51.2	35.2	8.0	20.2	17	6.0	31.4	25
PWT 10-02			R1/4	54.2		10.0		17	7.0	36.4	25
PWT 10-03			R3/8	55.2		11.0		17	7.0	38.4	25
PWT 10-04			R1/2	58.2		14.0		21	7.0	58.4	25
PWT 12-01	12	20.5	R1/8	57.2	42.0	8.0	22.7	19	6.0	48.2	25
PWT 12-02			R1/4	59.2		10.0		19	7.0	51.2	25
PWT 12-03			R3/8	60.2		11.0		19	10.0	50.2	25
PWT 12-04			R1/2	63.2		14.0		21	10.0	62.2	25



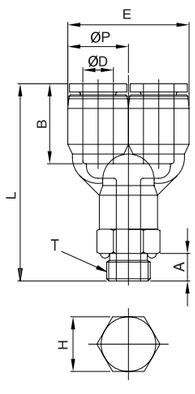
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PWT5/32-U	5/32	10.5	UNF10/32	38.1	21.0	3.6	16.2	7/16	2.5	10.6	100
PWT5/32-N1			NPT1/8	41.7		8.5		7/16	3.0	11.6	100
PWT5/32-N2			NPT1/4	44.7		10.5		9/16	3.0	17.6	50
PWT3/16-U	3/16	11.5	UNF10/32	41.8	23.0	3.6	16.8	7/16	3.0	10.4	50
PWT3/16-N1			NPT1/8	45.4		8.5		7/16	3.0	11.4	50
PWT3/16-N2			NPT1/4	48.4		10.5		9/16	3.0	17.4	50
PWT3/16-N3			NPT3/8	49.4		11.5		11/16	3.0	19.4	50
PWT1/4-U	1/4	13.0	UNF10/32	45.8	26.0	3.6	17.3	1/2	2.5	15.4	50
PWT1/4-N1			NPT1/8	47.7		8.5		1/2	4.5	18.4	50
PWT1/4-N2			NPT1/4	50.4		10.5		9/16	4.5	19.4	50
PWT1/4-N3			NPT3/8	51.4		11.5		11/16	4.5	31.4	50
PWT5/16-N1	5/16	14.5	NPT1/8	47.0	29.0	8.5	18.2	9/16	6.0	19.4	50
PWT5/16-N2			NPT1/4	49.0		10.5		9/16	6.0	28.4	50
PWT5/16-N3			NPT3/8	50.0		11.5		11/16	6.0	29.4	50
PWT5/16-N4			NPT1/2	53.0		14.5		7/8	6.0	49.4	25
PWT3/8-N1	3/8	17.5	NPT1/8	52.7	35.0	8.5	19.9	11/16	5.0	28.4	25
PWT3/8-N2			NPT1/4	54.7		10.5		11/16	7.0	36.4	25
PWT3/8-N3			NPT3/8	55.7		11.5		11/16	7.0	38.4	25
PWT3/8-N4			NPT1/2	58.7		14.5		7/8	7.0	58.4	25
PWT1/2-N2	1/2	21.0	NPT1/4	64.6	42.0	10.5	23.0	3/4	7.0	58.0	25
PWT1/2-N3			NPT3/8	65.6		11.5		3/4	7.0	68.0	25
PWT1/2-N4			NPT1/2	68.6		14.5		7/8	7.0	78.0	20



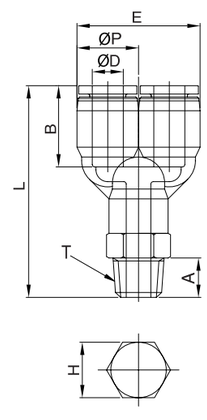
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PWT04-G01	4	10.5	G1/8	41.6	21.0	5.0	15.7	14	3.0	14.6	100
PWT04-G02			G1/4	43.6		6.5		17	3.0	18.6	100
PWT04-G03			G3/8	43.6		6.5		20	3.0	22.6	50
PWT06-G01	6	12.5	G1/8	42.5	25.0	5.0	17.0	14	4.0	17.4	50
PWT06-G02			G1/4	44.5		6.5		17	4.0	22.4	50
PWT06-G03			G3/8	44.5		6.5		20	4.0	26.4	50
PWT06-G04			G1/2	45.5		8.0		24	4.0	37.4	25
PWT08-G01	8	14.5	G1/8	45.9	29.0	5.0	19.0	14	6.0	18.4	50
PWT08-G02			G1/4	47.9		6.5		17	6.0	25.4	50
PWT08-G03			G3/8	47.9		6.5		20	6.0	30.4	50
PWT08-G04			G1/2	48.9		8.0		24	6.0	40.4	25
PWT10-G01	10	17.5	G1/8	49.2	35.2	5.0	20.2	17	6.0	29.4	25
PWT10-G02			G1/4	51.2		6.5		17	7.0	28.4	25
PWT10-G03			G3/8	51.2		6.5		20	7.0	35.4	25
PWT10-G04			G1/2	52.2		8.0		24	7.0	47.4	25
PWT12-G02	12	20.5	G1/4	56.2	42.0	6.5	22.7	19	8.0	44.2	25
PWT12-G03			G3/8	56.2		6.5		20	9.0	45.2	25
PWT12-G04			G1/2	57.2		8.0		24	9.0	58.2	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PWT1/4-01	1/4	13.0	R1/8	46.9	26.0	8.0	17.3	12	4.0	18.4	50
PWT1/4-02			R1/4	49.9		10.0		14	4.0	19.4	50
PWT1/4-03			R3/8	50.9		11.0		17	4.0	31.4	50
PWT5/16-01	5/16	14.5	R1/8	45.5	29.0	8.0	18.2	14	6.0	19.4	50
PWT5/16-02			R1/4	48.5		10.0		14	6.0	28.4	50
PWT5/16-03			R3/8	49.5		11.0		17	6.0	29.4	50
PWT3/8-02	3/8	17.5	R1/4	54.2	35.0	10.0	19.9	17	7.0	36.4	25
PWT3/8-03			R3/8	55.2		11.0		17	7.0	38.4	25
PWT3/8-04			R1/2	58.2		14.0		21	7.0	58.4	25
PWT1/2-02	1/2	21.0	R1/4	64.1	42.0	10.0	23.0	19	7.0	58.0	25
PWT1/2-03			R3/8	65.1		11.0		19	9.0	68.0	25
PWT1/2-04			R1/2	68.1		14.0		21	9.0	78.0	20



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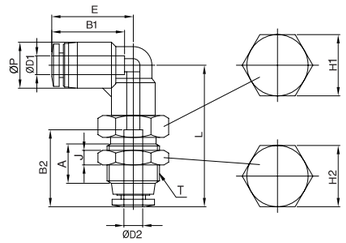
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

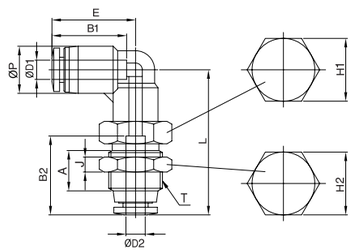
One -Touch Fittings

PLM



METRIC-BSPT(R)

MODEL	ØD1	ØD2	ØP	T	L	E	A	B1	B2	J	H1(Hex)	H2(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PLM 04	4	4	10.5	M12×1.0p	32.4	18.7	9.0	16.3	16.3	4.0	14	14	3.0	12.6	50
PLM 06	6	6	12.5	M14×1.0p	38.2	20.4	11.0	17.5	17.0	4.0	17	17	4.5	14.5	50
PLM 08	8	8	14.5	M16×1.0p	40.3	23.1	11.5	19.1	18.6	5.0	19	19	6.0	20.4	50
PLM 10	10	10	17.5	M20×1.0p	42.3	23.7	12.0	19.7	20.3	5.0	24	24	7.0	29.7	25
PLM 12	12	12	20.5	M22×1.0p	48.1	27.7	15.0	22.2	23.4	5.0	26	26	10.0	43.4	25



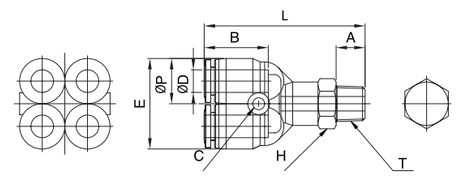
INCH-NPT

MODEL	ØD1	ØD2	ØP	T	L	E	A	B1	B2	J	H1(Hex)	H2(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PLM 5/32	5/32	5/32	10.5	M12×1.0p	32.4	18.7	9.0	16.3	16.3	4.0	14	14	3.0	12.6	100
PLM 3/16	3/16	3/16	11.5	M14×1.0p	34.7	19.2	10.0	16.9	16.9	4.0	17	17	3.0	13.5	50
PLM 1/4	1/4	1/4	13.0	M14×1.0p	38.8	20.5	11.0	17.4	17.4	4.0	17	17	4.5	15.5	50
PLM 5/16	5/16	5/16	14.5	M16×1.0p	40.3	23.1	11.5	19.1	18.6	5.0	19	19	6.0	20.4	50
PLM 3/8	3/8	3/8	17.5	M20×1.0p	42.2	23.8	12.0	19.8	20.3	5.0	24	24	7.0	28.6	25
PLM 1/2	1/2	1/2	21.0	M22×1.0p	48.4	28.3	15.0	23.0	23.5	5.0	26	26	9.0	47.1	25

PXT

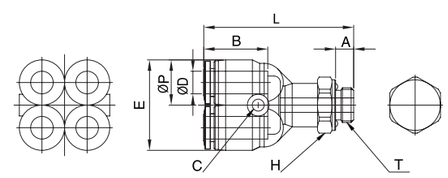
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	C	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PXT 04-01	4	10.5	R1/8	44.2	21.0	3.3	8.0	15.7	10	2.0	20.0	25
PXT 04-02	4	10.5	R1/4	48.2	21.0	3.3	10.0	15.7	14	2.0	25.7	25
PXT 06-01	6	12.5	R1/8	47.9	25.0	3.3	8.0	17.0	12	3.5	25.4	25
PXT 06-02	6	12.5	R1/4	50.9	25.0	3.3	10.0	17.0	14	4.6	27.0	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	C	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PXT 04-G01	4	10.5	G1/8	45.8	21.0	3.3	5.0	15.7	14	2.0	20.0	25
PXT 04-G02	4	10.5	G1/4	48.8	21.0	3.3	6.5	15.7	17	2.0	25.7	25
PXT 06-G01	6	12.5	G1/8	48.9	25.0	3.3	6.5	17.0	14	3.5	25.4	25
PXT 06-G02	6	12.5	G1/4	51.9	25.0	3.3	8.0	17.0	17	4.6	27.0	25



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
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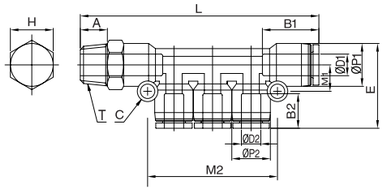
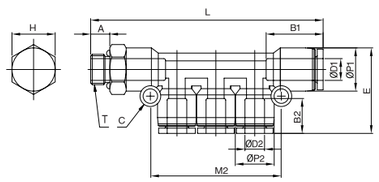
One -Touch Fittings

PKD



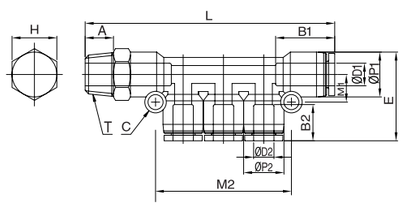
METRIC-BSPT(R)

MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	B2	M1	M2	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PKD 0604-01	6	4	12.5	10.5	R1/8	72.1	24.2	3.3	8.0	17.6	16.3	7.6	34.0	12	3.0	21.1	25
PKD 0804-01	8	4	14.8	10.5	R1/8	73.9	28.5	4.3	8.0	18.7	16.3	9.2	34.8	14	3.0	23.1	25
PKD 0804-02		4	14.8	10.5	R1/4	76.9	28.5	4.3	10.0	18.7	16.3	9.2	34.8	14	3.0	28.1	25
PKD 0806-01		6	14.8	12.5	R1/8	79.5	34.0	4.3	8.0	18.7	17.6	9.3	41.1	14	4.0	26.8	25
PKD 0806-02		6	14.8	12.5	R1/4	82.5	34.0	4.3	10.0	18.7	17.6	9.3	41.1	14	4.0	30.8	25
PKD 1006-02	10	6	17.5	12.5	R1/4	89.2	34.5	4.3	10.0	19.6	17.6	9.5	41.7	17	4.0	40.3	25
PKD 1006-03		6	17.5	12.5	R3/8	90.2	34.5	4.3	11.0	19.6	17.6	9.5	41.7	17	4.0	44.3	20
PKD 1008-02	10	8	17.5	14.8	R1/4	94.3	34.5	4.3	10.0	19.6	18.7	8.5	47.0	17	6.5	44.3	25
PKD 1008-03		8	17.5	14.8	R3/8	95.3	34.5	4.3	11.0	19.6	18.7	8.5	47.0	17	6.5	48.3	20



METRIC-BSPP(G)

MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	B2	M1	M2	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PKD 0604-G01	6	4	12.5	10.5	G1/8	70.1	24.2	3.3	5.0	17.6	16.3	7.6	34.0	14	3.0	22.1	25
PKD 0804-G01	8	4	14.8	10.5	G1/8	71.9	28.5	4.3	5.0	18.7	16.3	9.2	34.8	14	3.0	24.1	25
PKD 0804-G02		4	14.8	10.5	G1/4	74.9	28.5	4.3	6.5	18.7	16.3	9.2	34.8	17	3.0	29.1	25
PKD 0806-G01		6	14.8	12.5	G1/8	77.5	34.0	4.3	5.0	18.7	17.6	9.3	41.1	14	4.0	27.8	25
PKD 0806-G02		6	14.8	12.5	G1/4	80.5	34.0	4.3	6.5	18.7	17.6	9.3	41.1	17	4.0	31.8	25
PKD 1006-G02	10	6	17.5	12.5	G1/4	87.2	34.5	4.3	6.5	19.6	17.6	9.5	41.7	17	4.0	35.3	25
PKD 1006-G03		6	17.5	12.5	G3/8	87.2	34.5	4.3	6.5	19.6	17.6	9.5	41.7	20	4.0	41.3	25
PKD 1008-G02		8	17.5	14.8	G1/4	92.3	34.5	4.3	6.5	19.6	18.7	8.5	47.0	17	6.5	38.3	25
PKD 1008-G03		8	17.5	14.8	G3/8	92.3	34.5	4.3	6.5	19.6	18.7	8.5	47.0	20	6.5	53.3	20



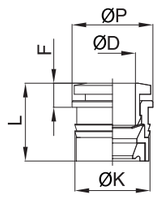
INCH-NPT

MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	B2	M1	M2	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PKD 3/16-5/32-N1	3/16	5/32	11.5	10.5	NPT1/8	69.8	26.3	3.3	8.5	16.8	16.3	7.6	34.0	7/16	3.2	26.1	25
PKD 1/4-5/32-N1	1/4	5/32	13.0	10.5	NPT1/8	71.1	26.6	3.3	8.5	17.4	16.3	8.8	36.0	1/2	3.2	26.1	25

CAS

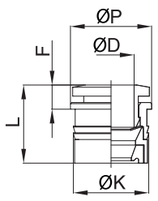
METRIC-BSPT(R)

MODEL	ØD	ØP	ØK	L	F	WEIGHT(g)	BOX(EA)
CAS 04	4	10.0	8.95	11.25	3.55	1.5	100
CAS 06	6	12.0	11.1	12.45	3.95	2.3	100
CAS 08	8	14.0	13.2	13.9	4.3	3.5	100
CAS 10	10	16.6	15.45	15.15	4.85	4.8	100
CAS 12	12	19.0	17.75	17.4	5.0	7.3	100



INCH-NPT

MODEL	ØD	ØP	ØK	L	F	WEIGHT(g)	BOX(EA)
CAS 5/32	5/32	10.0	8.95	11.25	3.55	1.5	100
CAS 3/16	3/16	11.1	9.95	12.3	4.0	2.2	100
CAS 1/4	1/4	12.6	11.6	12.9	4.3	2.8	100
CAS 5/16	5/16	14.0	13.2	13.9	4.3	3.5	100
CAS 3/8	3/8	16.8	15.45	15.1	4.8	5.1	100
CAS 1/2	1/2	19.9	18.35	17.65	5.25	7.4	100



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E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
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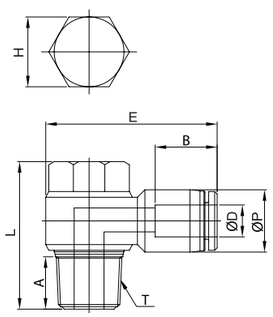
One -Touch Fittings

PH

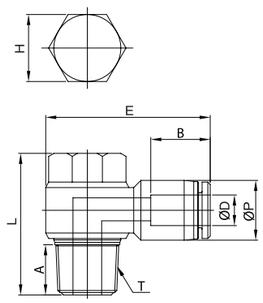
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PH 03-M5	3	7.8	M5×0.8p	18.2	21.5	3.6	11.1	8	1.5	7.0	100
PH 04-M5	4	10.5	M5×0.8p	18.2	25.1	3.6	16.3	8	1.5	7.8	50
PH 04-M6			M6×1.0p	20.7	25.1	4.1		8	2.0	8.8	50
PH 04-01			R1/8	25.0	30.5	8.0		11	3.0	14.8	50
PH 04-02			R1/4	28.8	34.5	10.0		15	3.2	25.8	50
PH 06-M5	6	12.5	M5×0.8p	18.2	27.8	3.6	17.6	8	2.0	8.7	50
PH 06-M6			M6×1.0p	20.7	27.8	4.1		8	2.0	9.7	50
PH 06-01			R1/8	25.0	31.2	8.0		11	3.0	15.7	50
PH 06-02			R1/4	28.8	35.0	10.0		15	4.5	26.7	50
PH 06-03			R3/8	32.7	38.7	11.0		19	4.3	49.7	25
PH 06-04			R1/2	39.4	44.9	14.0		24	5.0	73.7	25
PH 08-01	8	14.8	R1/8	25.0	33.0	8.0	18.7	11	3.0	15.7	50
PH 08-02			R1/4	28.8	36.8	10.0		15	4.5	26.7	50
PH 08-03			R3/8	32.7	40.1	11.0		19	4.3	44.7	25
PH 08-04			R1/2	39.4	45.8	14.0		24	6.0	75.7	25
PH 10-01	10	17.5	R1/8	25.0	35.0	8.0	19.6	11	3.0	16.2	25
PH 10-02			R1/4	28.8	38.8	10.0		15	4.5	29.2	25
PH 10-03			R3/8	32.7	42.2	11.0		19	4.3	46.2	25
PH 10-04			R1/2	39.4	47.5	14.0		24	6.0	79.2	20
PH 12-02	12	20.5	R1/4	28.8	40.8	10.0	21.9	15	4.5	32.1	25
PH 12-03			R3/8	32.7	45.9	11.0		19	4.3	54.1	25
PH 12-04			R1/2	39.4	50.1	14.0		24	6.0	74.1	20



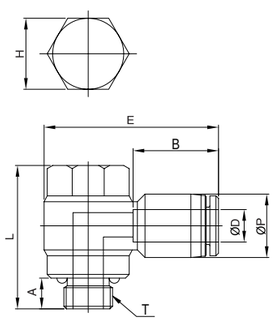
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PH 1/8-U	1/8	7.8	UNF10/32	18.2	21.5	3.6	11.1	5/16	1.5	7.0	50
PH 5/32-U	5/32	10.5	UNF10/32	18.2	25.1	3.6	16.3	5/16	1.5	7.8	100
PH 5/32-N1			NPT1/8	25.0	30.5	8.0		7/16	3.0	23.8	50
PH 5/32-N2			NPT1/4	28.8	34.5	10.0		5/16	3.2	29.8	50
PH 3/16-U	3/16	11.5	UNF10/32	18.2	26.6	3.6	16.8	5/16	1.5	7.7	100
PH 3/16-N1			NPT1/8	25.0	31.4	8.0		7/16	3.0	23.7	50
PH 3/16-N2			NPT1/4	28.8	35.3	10.0		19/32	3.5	29.7	50
PH 3/16-N3			NPT3/8	33.7	39.1	11.0		3/4	3.5	37.7	50
PH 1/4-U	1/4	13.0	UNF10/32	18.2	28.7	3.6	17.4	5/16	1.5	8.7	50
PH 1/4-N1			NPT1/8	25.0	32.0	8.0		7/16	3.0	23.7	50
PH 1/4-N2			NPT1/4	28.8	35.9	10.0		19/32	4.5	35.7	50
PH 1/4-N3			NPT3/8	33.7	39.7	11.0		3/4	6.0	44.7	25
PH 5/16-N1	5/16	14.5	NPT1/8	35.0	33.0	8.0	18.7	7/16	3.0	34.7	50
PH 5/16-N2			NPT1/4	28.8	36.8	10.0		19/32	4.5	36.7	50
PH 5/16-N3			NPT3/8	33.7	40.1	11.0		3/4	6.0	59.7	25
PH 5/16-N4			NPT1/2	39.4	45.8	14.0		15/16	6.5	96.7	20
PH 3/8-N2	3/8	17.5	NPT1/4	28.8	37.5	10.0	20.2	19/32	4.5	59.2	25
PH 3/8-N3			NPT3/8	33.7	42.1	11.0		3/4	6.0	89.2	25
PH 3/8-N4			NPT1/2	39.4	47.3	14.0		15/16	7.0	99.2	20
PH 1/2-N3	1/2	21.0	NPT3/8	33.7	45.1	11.0	22.0	3/4	6.0	65.0	25
PH 1/2-N4			NPT1/2	39.4	50.5	14.0		15/16	8.0	109.0	20



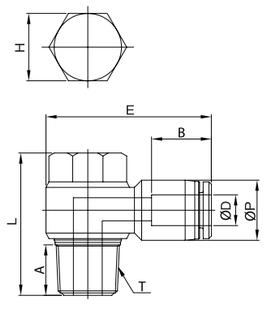
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PH04-G01	4	10.5	G 1/8	23.5	32.4	4.5	16.3	8	3.0	14.8	50
PH04-G02			G 1/4	28.0	34.2	6.0		12	3.2	24.8	50
PH06-G01	6	12.5	G 1/8	23.5	33.5	4.5	17.6	8	3.0	15.7	50
PH06-G02			G 1/4	28.0	37.3	6.0		12	4.5	23.7	50
PH06-G03			G 3/8	32.5	39.8	6.0		14	5.0	47.7	25
PH08-G01	8	14.5	G 1/8	23.5	34.2	4.5	18.7	8	3.0	16.7	50
PH08-G02			G 1/4	28.0	38.3	6.0		12	4.5	25.7	50
PH08-G03			G 3/8	32.5	41.8	6.0		14	6.0	49.7	25
PH08-G04			G 1/2	34.0	45.9	7.5		19	6.5	68.7	25
PH10-G02	10	17.5	G 1/4	28.0	39.5	6.0	19.6	12	4.5	27.2	25
PH10-G03			G 3/8	32.5	42.5	6.0		14	6.0	50.2	25
PH10-G04			G 1/2	34.0	48.6	7.5		19	8.0	73.2	20
PH12-G03	12	20.5	G 3/8	32.5	44.8	6.0	21.9	14	6.0	53.1	25
PH12-G04			G 1/2	34.0	50.3	7.5		19	8.0	73.1	20



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PH1/4-M5	1/4	13.0	M5×0.8p	18.2	28.7	3.6	17.4	8	1.5	8.7	50
PH1/4-01			R1/8	25.0	32.0	8.0		11	3.0	23.7	50
PH1/4-02			R1/4	28.8	35.9	10.0		15	4.5	35.7	50
PH5/16-01	5/16	14.5	R1/8	25.0	33.0	8.0	18.7	11	3.0	34.7	50
PH5/16-02			R1/4	28.8	36.8	10.0		15	4.5	36.7	50
PH5/16-03			R3/8	32.7	40.1	11.0		19	6.0	59.7	25
PH3/8-02	3/8	17.5	R1/4	28.8	37.5	10.0	20.2	15	4.5	59.2	25
PH3/8-03			R3/8	32.7	42.1	11.0		19	6.0	89.2	25



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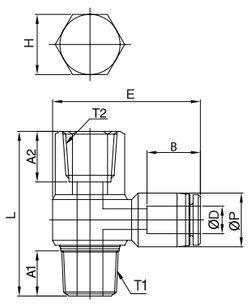
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PHF

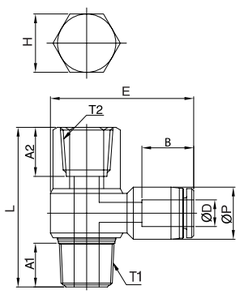
METRIC-BSPT(R)

MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHF 03-M5	3	7.8	M5×0.8p	M5×0.8p	20.0	21.5	3.6	7.0	11.1	8	1.5	7.0	50
PHF 04-M5	4	10.5	M5×0.8p	M5×0.8p	20.0	25.1	3.6	7.0	16.3	8	1.5	7.8	50
PHF 04-M6			M6×1.0p	M6×1.0p	25.0	30.5	4.1	7.0		11	2.0	8.8	50
PHF 04-01			R1/8	Rc1/8	30.2	30.5	8.0	8.0		14	3.0	19.8	50
PHF 04-02			R1/4	Rc1/4	35.5	34.5	10.0	10.0		17	3.2	30.8	50
PHF 06-M5	6	12.5	M5×0.8p	M5×0.8p	20.0	27.8	3.6	7.0	17.6	8	1.5	8.7	50
PHF 06-M6			M6×1.0p	M6×1.0p	25.0	31.2	4.1	7.0		11	2.0	9.7	50
PHF 06-01			R1/8	Rc1/8	30.2	31.2	8.0	8.0		14	3.0	20.7	50
PHF 06-02			R1/4	Rc1/4	35.5	35.0	10.0	10.0		17	4.0	30.7	50
PHF 06-03			R3/8	Rc3/8	41.2	38.7	11.0	11.0		21	5.0	54.7	25
PHF 06-04			R1/2	Rc1/2	50.0	44.9	14.0	14.0		24	5.0	85.7	25
PHF 08-01	8	14.8	R1/8	Rc1/8	30.2	33.0	8.0	8.0	18.7	14	3.0	20.7	50
PHF 08-02			R1/4	Rc1/4	35.5	36.8	10.0	10.0		17	4.0	31.7	50
PHF 08-03			R3/8	Rc3/8	41.2	40.1	11.0	11.0		21	5.0	55.7	25
PHF 08-04			R1/2	Rc1/2	50.0	45.8	14.0	14.0		24	6.0	87.7	25
PHF 10-01	10	17.5	R1/8	Rc1/8	30.2	35.0	8.0	8.0	19.6	14	3.0	22.2	25
PHF 10-02			R1/4	Rc1/4	35.5	38.8	10.0	10.0		17	4.0	33.2	25
PHF 10-03			R3/8	Rc3/8	41.2	42.2	11.0	11.0		21	5.0	57.2	25
PHF 10-04			R1/2	Rc1/2	50.0	47.5	14.0	14.0		24	6.0	89.2	20
PHF 12-02	12	20.5	R1/4	Rc1/4	35.5	40.8	10.0	10.0	21.9	17	4.0	63.1	25
PHF 12-03			R3/8	Rc3/8	41.2	45.9	11.0	11.0		21	5.0	67.1	25
PHF 12-04			R1/2	Rc1/2	50.0	50.1	14.0	14.0		24	6.0	90.1	20



INCH-NPT

MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHF 1/8-U	1/8	7.8	UNF 10/32	UNF 10/32	20.0	21.5	3.6	7.0	11.1	5/16	1.5	7.0	50
PHF 5/32-U	5/32	10.5	UNF 10/32	UNF 10/32	20.0	25.1	3.6	7.0	16.3	5/16	1.5	7.8	100
PHF 5/32-N1			NPT 1/8	NPT 1/8	30.9	30.5	8.5	8.5	16.3	9/16	3.0	18.8	50
PHF 3/16-U	3/16	11.5	UNF 10/32	UNF 10/32	20.0	26.6	3.6	7.0	16.8	5/16	1.5	7.7	100
PHF 3/16-N1			NPT 1/8	NPT 1/8	30.9	31.4	8.5	8.5	16.8	9/16	3.0	18.7	50
PHF 3/16-N2			NPT 1/4	NPT 1/4	35.8	35.3	10.5	10.5	16.8	11/16	4.0	31.7	50
PHF 3/16-N3			NPT 3/8	NPT 3/8	41.0	39.1	11.5	11.5	16.8	7/8	5.0	39.7	50
PHF 1/4-U	1/4	13.0	UNF 10/32	UNF 10/32	20.0	28.7	3.6	7.0	17.4	5/16	2.5	8.7	50
PHF 1/4-N1			NPT 1/8	NPT 1/8	30.9	32.0	8.5	8.5	17.4	9/16	3.0	19.7	50
PHF 1/4-N2			NPT 1/4	NPT 1/4	35.8	35.9	10.5	10.5	17.4	11/16	4.0	33.7	50
PHF 1/4-N3			NPT 3/8	NPT 3/8	41.0	39.7	11.5	11.5	17.4	7/8	5.0	46.7	50
PHF 5/16-N1	5/16	14.5	NPT 1/8	NPT 1/8	30.9	33.0	8.5	8.5	189.7	9/16	3.0	21.7	50
PHF 5/16-N2			NPT 1/4	NPT 1/4	35.8	36.8	10.5	10.5	18.7	11/16	4.0	34.7	50
PHF 5/16-N3			NPT 3/8	NPT 3/8	41.0	40.1	11.5	11.5	18.7	7/8	5.0	59.7	50
PHF 5/16-N4			NPT 1/2	NPT 1/2	50.0	45.8	14.5	14.5	18.7	1″	6.0	95.7	50
PHF 3/8-N2	3/8	17.5	NPT 1/4	NPT 1/4	35.8	37.5	10.5	10.5	20.2	11/16	4.0	39.2	25
PHF 3/8-N3			NPT 3/8	NPT 3/8	41.0	42.1	11.5	11.5	20.2	7/8	5.0	64.2	25
PHF 3/8-N4			NPT 1/2	NPT 1/2	50.0	47.3	14.5	14.5	20.2	1″	6.0	97.2	25
PHF 1/2-N3	1/2	21.0	NPT 3/8	NPT 3/8	41.0	45.1	11.5	11.5	22.0	7/8	5.0	67.0	20
PHF 1/2-N4			NPT 1/2	NPT 1/2	50.0	50.5	14.5	14.5	22.0	1″	6.0	99.0	20



METRIC-BSPP(G)

MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHF 04-G01	4	10.5	G1/8	G1/8	33.9	31.2	5.0	8.0	16.2	14	3.0	22.8	50
PHF 04-G02			G1/4	G1/4	42.4	34.6	6.5	10.0		17	3.2	36.8	50
PHF 04-G03			G3/8	G3/8	44.4	38.4	6.5	11.0		21	3.2	54.8	50
PHF 04-G04			G1/2	G1/2	49.9	42.0	8.0	14.0		24	3.2	74.8	50
PHF 06-G01	6	12.5	G1/8	G1/8	33.9	31.9	5.0	8.0	17.0	14	3.0	23.7	50
PHF 06-G02			G1/4	G1/4	42.4	35.3	6.5	10.0		17	4.0	39.7	50
PHF 06-G03			G3/8	G3/8	44.4	39.1	6.5	11.0		21	5.0	57.7	25
PHF 06-G04			G1/2	G1/2	49.9	42.2	8.0	14.0		24	5.0	76.7	25
PHF 08-G01	8	14.8	G1/8	G1/8	33.9	33.8	5.0	8.0	19.1	14	3.0	23.7	50
PHF 08-G02			G1/4	G1/4	42.4	37.1	6.5	10.0		17	4.0	40.7	50
PHF 08-G03			G3/8	G3/8	44.4	40.9	6.5	11.0		21	5.0	60.7	25
PHF 08-G04			G1/2	G1/2	49.9	44.0	8.0	14.0		24	6.0	78.7	25
PHF 10-G01	10	17.5	G1/8	G1/8	33.9	35.7	5.0	8.0	20.2	14	3.0	25.2	25
PHF 10-G02			G1/4	G1/4	42.4	39.0	6.5	10.0		17	4.0	42.2	25
PHF 10-G03			G3/8	G3/8	44.4	43.1	6.5	11.0		21	5.0	63.2	25
PHF 10-G04			G1/2	G1/2	49.9	46.4	8.0	14.0		24	6.0	81.2	25
PHF 12-G02	12	20.5	G1/4	G1/4	42.4	42.3	6.5	10.0	22.7	17	4.0	45.1	25
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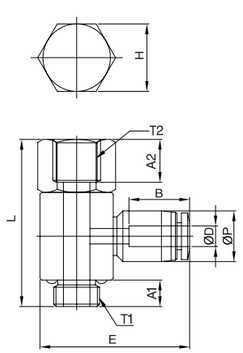
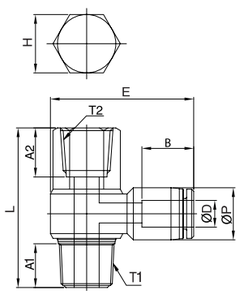


INCH-BSPT(R)

MODEL	ØD	ØP	T1	T2	L	E	A1	A2	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PH1/4-M5	1/4	13.0	M5×0.8p	M5×0.8p	20.0	28.7	3.6	7.0	17.4	8	2.5	8.7	50
PH1/4-01			Rc1/8	R1/8	30.9	32.0	8.0	8.0	17.4	14	3.0	19.7	50
PH1/4-02			Rc1/4	R1/4	35.8	35.9	10.0	10.0	17.4	17	4.0	33.7	50
PH5/16-01	5/16	14.5	Rc1/8	R1/8	30.9	33.0	8.0	8.0	18.7	14	3.0	21.7	50
PH5/16-02			Rc1/4	R1/4	35.8	36.8	10.0	10.0	18.7	17	4.0	34.7	50
PH5/16-03			Rc3/8	R3/8	41.0	40.1	11.0	11.0	18.7	21	5.0	59.7	50
PH3/8-02	3/8	17.5	Rc1/4	R1/4	35.8	37.5	10.0	10.0	20.2	17	4.0	39.2	25
PH3/8-03			Rc3/8	R3/8	41.0	42.1	11.0	11.0	20.2	21	5.0	64.2	25



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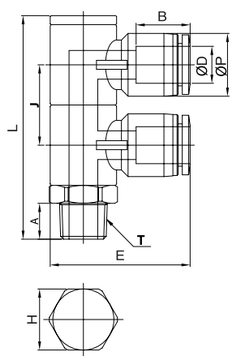
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PHL(2)

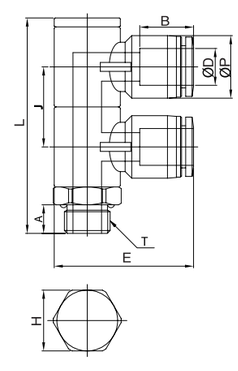
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHL04-01(2)	4	10.5	R1/8	50.2	31.2	8.0	16.2	17.9	14	3.0	35.6	25
PHL04-02(2)			R1/4	61.2	34.6	10.0		21.9	17	3.2	54.6	25
PHL04-03(2)			R3/8	63.8	38.4	11.0		21.9	21	3.2	81.6	25
PHL04-04(2)			R1/2	72.2	42.0	14.0		23.9	24	3.2	117.6	25
PHL06-01(2)	6	12.5	R1/8	50.2	31.9	8.0	17.0	17.9	14	3.0	36.4	25
PHL06-02(2)			R1/4	61.2	35.3	10.0		21.9	17	4.0	55.4	25
PHL06-03(2)			R3/8	63.8	39.1	11.0		21.9	21	5.0	82.4	25
PHL06-04(2)			R1/2	72.2	42.2	14.0		23.9	24	5.0	118.4	25
PHL08-01(2)	8	14.5	R1/8	50.2	33.8	8.0	19.1	17.9	14	3.0	38.4	25
PHL08-02(2)			R1/4	61.2	37.1	10.0		21.9	17	4.0	57.4	25
PHL08-03(2)			R3/8	63.8	40.9	11.0		21.9	21	5.0	82.4	25
PHL08-04(2)			R1/2	72.2	44.0	14.0		23.9	24	6.0	118.4	20
PHL10-01(2)	10	17.5	R1/8	50.2	35.7	8.0	20.2	17.9	14	3.0	39.4	25
PHL10-02(2)			R1/4	61.2	39.0	10.0		21.9	17	4.0	58.4	25
PHL10-03(2)			R3/8	63.8	43.1	11.0		21.9	21	5.0	83.4	25
PHL10-04(2)			R1/2	72.2	46.4	14.0		23.9	24	6.0	119.4	12
PHL12-02(2)	12	20.5	R1/4	61.2	42.3	10.0	22.7	21.9	17	4.0	60.2	9
PHL12-03(2)			R3/8	63.8	46.3	11.0		21.9	21	5.0	85.2	9
PHL12-04(2)			R1/2	72.2	50.2	14.0		23.9	24	6.0	121.2	9



METRIC-BSPP(G)

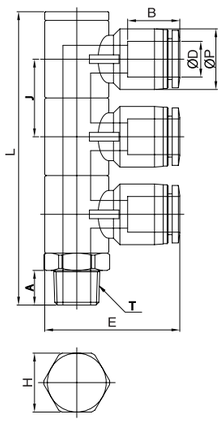
MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHL04-G01(2)	4	10.5	G1/8	48.2	31.2	5.0	16.2	17.9	14	3.0	52.6	25
PHL04-G02(2)			G1/4	59.2	34.6	6.5		21.9	17	3.2	67.6	25
PHL04-G03(2)			G3/8	60.8	38.4	6.5		21.9	21	3.2	88.6	25
PHL04-G04(2)			G1/2	67.2	42.0	8.0		23.9	24	3.2	114.6	
PHL06-G01(2)	6	12.5	G1/8	48.2	31.9	5.0	17.0	17.9	14	3.0	54.4	25
PHL06-G02(2)			G1/4	59.2	35.3	6.5		21.9	17	4.0	69.4	25
PHL06-G03(2)			G3/8	60.8	39.1	6.5		21.9	21	5.0	90.4	25
PHL06-G04(2)			G1/2	67.2	42.2	8.0		23.9	24	5.0	116.4	
PHL08-G01(2)	8	14.5	G1/8	48.2	33.8	5.0	19.1	17.9	14	3.0	56.4	25
PHL08-G02(2)			G1/4	59.2	37.1	6.5		21.9	17	4.0	71.4	25
PHL08-G03(2)			G3/8	60.8	40.9	6.5		21.9	21	5.0	92.4	25
PHL08-G04(2)			G1/2	67.2	44.0	8.0		23.9	24	6.0	118.4	20
PHL10-G01(2)	10	17.5	G1/8	48.2	35.7	5.0	20.2	17.9	14	3.0	57.4	25
PHL10-G02(2)			G1/4	59.2	39.0	6.5		21.9	17	4.0	72.4	25
PHL10-G03(2)			G3/8	60.8	43.1	6.5		21.9	21	5.0	93.4	20
PHL10-G04(2)			G1/2	67.2	46.4	8.0		23.9	24	6.0	119.4	12
PHL12-G02(2)	12	20.5	G1/4	59.2	42.3	6.5	22.7	21.9	17	4.0	74.2	9



PHL(3)

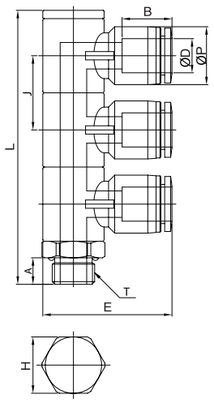
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHL 04-01(3)	4	10.5	R1/8	68.1	31.2	8.0	16.2	17.9	14	3.0	36.4	25
PHL 04-02(3)			R1/4	83.1	34.6	10.0		21.9	17	3.2	39.4	25
PHL 04-03(3)			R3/8	85.7	38.4	11.0		21.9	21	3.2	49.4	25
PHL 04-04(3)			R1/2	96.0	42.0	14.0		23.9	24	3.2	57.4	20
PHL 06-01(3)	6	12.5	R1/8	68.1	31.9	8.0	17.0	17.9	14	3.0	39.1	25
PHL 06-02(3)			R1/4	83.1	35.3	10.0		21.9	17	4.0	42.1	25
PHL 06-03(3)			R3/8	85.7	39.1	11.0		21.9	21	5.0	52.1	20
PHL 06-04(3)			R1/2	96.0	42.2	14.0		23.9	24	5.0	59.1	20
PHL 08-01(3)	8	14.5	R1/8	68.1	33.8	8.0	19.1	17.9	14	3.0	57.1	25
PHL 08-02(3)			R1/4	83.1	37.1	10.0		21.9	17	4.0	60.1	15
PHL 08-03(3)			R3/8	85.7	40.9	11.0		21.9	21	5.0	65.1	15
PHL 08-04(3)			R1/2	96.0	44.0	14.0		23.9	24	6.0	85.1	12
PHL 10-01(3)	10	17.5	R1/8	68.1	35.7	8.0	20.2	17.9	14	3.0	101.6	12
PHL 10-02(3)			R1/4	83.1	39.0	10.0		21.9	17	4.0	105.6	12
PHL 10-03(3)			R3/8	85.7	43.1	11.0		21.9	21	5.0	112.6	12
PHL 10-04(3)			R1/2	96.0	46.4	14.0		23.9	24	6.0	119.6	12
PHL 12-02(3)	12	20.5	R1/4	83.1	42.3	10.0	22.7	21.9	17	4.0	179.6	9
PHL 12-03(3)			R3/8	85.7	46.3	11.0		21.9	21	5.0	185.6	9
PHL 12-04(3)			R1/2	96.0	50.2	14.0		23.9	24	6.0	193.6	9



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHL04-G01(3)	4	10.5	G1/8	66.1	31.2	5.0	16.2	17.9	14	3.0	44.4	25
PHL04-G02(3)			G1/4	81.1	34.6	6.5		21.9	17	3.2	68.4	25
PHL04-G03(3)			G3/8	82.7	38.4	6.5		21.9	21	3.2	101.4	25
PHL04-G04(3)			G1/2	91.0	42.0	8.0		23.9	24	3.2	145.4	20
PHL06-G01(3)	6	12.5	G1/8	66.1	31.9	5.0	17.0	17.9	14	3.0	45.1	25
PHL06-G02(3)			G1/4	81.1	35.3	6.5		21.9	17	4.0	69.1	25
PHL06-G03(3)			G3/8	82.7	39.1	6.5		21.9	21	5.0	102.1	20
PHL06-G04(3)			G1/2	91.0	42.2	8.0		23.9	24	5.0	146.1	20
PHL08-G01(3)	8	14.5	G1/8	66.1	33.8	5.0	19.1	17.9	14	3.0	46.1	25
PHL08-G02(3)			G1/4	81.1	37.1	6.5		21.9	17	4.0	70.1	15
PHL08-G03(3)			G3/8	82.7	40.9	6.5		21.9	21	5.0	103.1	15
PHL08-G04(3)			G1/2	91.0	44.0	8.0		23.9	24	6.0	147.1	12
PHL10-G01(3)	10	17.5	G1/8	66.1	35.7	5.0	20.2	17.9	14	3.0	46.6	12
PHL10-G02(3)			G1/4	81.1	39.0	6.5		21.9	17	4.0	70.6	12
PHL10-G03(3)			G3/8	82.7	43.1	6.5		21.9	21	5.0	103.6	12
PHL10-G04(3)			G1/2	91.0	46.4	8.0		23.9	24	6.0	147.6	12
PHL12-G02(3)	12	20.5	G1/4	81.1	42.3	6.5	22.7	21.9	17	4.0	72.3	9



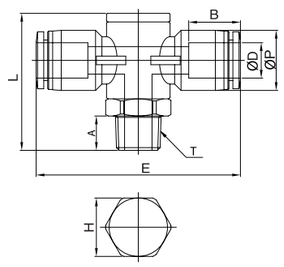
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PHT(1)

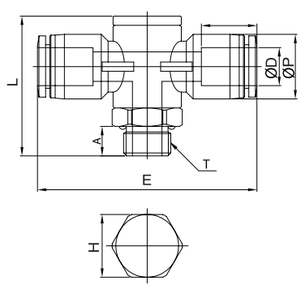
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PHT 04-01(1)	4	10.5	R 1/8	32.3	46.9	8.0	16.2	14	3.0	24.6	25
PHT 04-02(1)			R 1/4	39.3	50.6	10.0		17	3.2	41.6	25
PHT 04-03(1)			R 3/8	41.9	54.4	11.0		21	3.2	64.6	25
PHT 04-04(1)			R 1/2	48.3	58.3	14.0		24	3.2	94.6	25
PHT 06-01(1)	6	12.5	R 1/8	32.3	48.3	8.0	17.0	14	3.0	26.4	25
PHT 06-02(1)			R 1/4	39.3	52.0	10.0		17	4.0	42.4	25
PHT 06-03(1)			R 3/8	41.9	55.8	11.0		21	5.0	66.4	25
PHT 06-04(1)			R 1/2	48.3	58.7	14.0		24	5.0	96.4	25
PHT 08-01(1)	8	14.5	R 1/8	32.3	52.1	8.0	19.1	14	3.0	28.4	25
PHT 08-02(1)			R 1/4	39.3	55.6	10.0		17	4.0	44.4	25
PHT 08-03(1)			R 3/8	41.9	59.4	11.0		21	5.0	68.4	25
PHT 08-04(1)			R 1/2	48.3	62.3	14.0		24	6.0	98.4	25
PHT 10-01(1)	10	17.5	R 1/8	32.3	56.0	8.0	20.2	14	3.0	33.4	25
PHT 10-02(1)			R 1/4	39.3	59.5	10.0		17	4.0	47.4	25
PHT 10-03(1)			R 3/8	41.9	63.7	11.0		21	5.0	72.4	25
PHT 10-04(1)			R 1/2	48.3	67.2	14.0		24	6.0	102.4	20
PHT 12-02(1)	12	20.5	R 1/4	39.3	66.0	10.0	22.7	17	5.0	59.2	20
PHT 12-03(1)			R 3/8	41.9	70.2	11.0		21	5.0	79.2	20
PHT 12-04(1)			R 1/2	48.3	74.7	14.0		24	6.0	109.2	15



METRIC-BSPP(G)

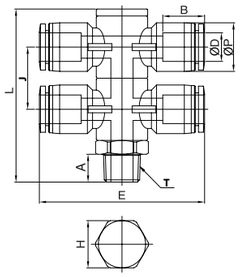
MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHT 04-G01(1)	4	10.5	G1/8	30.3	46.9	5.0	16.2	14	3.0	23.6	25
PHT 04-G02(1)			G1/4	37.9	50.6	6.5		17	3.2	36.6	25
PHT 04-G03(1)			G3/8	39.4	54.4	6.5		21	3.2	57.6	25
PHT 04-G04(1)			G1/2	44.0	58.3	8.0		24	3.2	83.6	25
PHT 06-G01(1)	6	12.5	G1/8	30.3	48.3	5.0	17.0	14	3.0	23.4	25
PHT 06-G02(1)			G1/4	37.9	52.0	6.5		17	4.0	36.4	25
PHT 06-G03(1)			G3/8	39.4	55.8	6.5		21	5.0	57.4	25
PHT 06-G04(1)			G1/2	44.0	58.7	8.0		24	5.0	83.4	25
PHT 08-G01(1)	8	14.5	G1/8	30.3	52.1	5.0	19.1	14	3.0	24.4	25
PHT 08-G02(1)			G1/4	37.9	55.6	6.5		17	4.0	37.4	25
PHT 08-G03(1)			G3/8	39.4	59.4	6.5		21	5.0	58.4	25
PHT 08-G04(1)			G1/2	44.0	62.3	8.0		24	6.0	84.4	25
PHT 10-G01(1)	10	17.5	G1/8	30.3	56.0	5.0	20.2	14	3.0	25.4	25
PHT 10-G02(1)			G1/4	37.9	59.5	6.5		17	4.0	38.4	25
PHT 10-G03(1)			G3/8	39.4	63.7	6.5		21	5.0	59.4	20
PHT 10-G04(1)			G1/2	44.0	67.2	8.0		24	6.0	85.4	20
PHT 12-G02(1)	12	20.5	G1/4	37.9	66.0	6.5	22.7	17	4.0	41.2	20
PHT 12- [illegible]			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]



PHT(2)

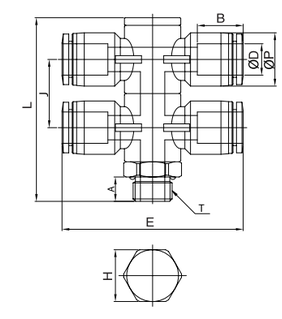
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHT04-01(2)	4	10.5	R 1/8	50.2	46.9	8.0	16.2	17.9	14	3.0	39.2	25
PHT04-02(2)			R 1/4	61.2	50.6	10.0		21.9	17	3.2	62.2	25
PHT04-03(2)			R 3/8	63.8	54.4	11.0		21.9	21	3.2	93.2	25
PHT04-04(2)			R 1/2	72.2	58.3	14.0		23.9	24	3.2	131.2	20
PHT06-01(2)	6	12.5	R 1/8	50.2	48.3	8.0	17.0	17.9	14	3.0	41.8	25
PHT06-02(2)			R 1/4	61.2	52.0	10.0		21.9	17	4.0	64.8	20
PHT06-03(2)			R 3/8	63.8	55.8	11.0		21.9	21	5.0	94.8	16
PHT06-04(2)			R 1/2	72.2	58.7	14.0		23.9	24	5.0	135.8	16
PHT08-01(2)	8	14.5	R 1/8	50.2	52.1	8.0	19.1	17.9	14	3.0	44.8	20
PHT08-02(2)			R 1/4	61.2	55.6	10.0		21.9	17	4.0	67.8	20
PHT08-03(2)			R 3/8	63.8	59.4	11.0		21.9	21	5.0	96.8	12
PHT08-04(2)			R 1/2	72.2	62.3	14.0		23.9	24	6.0	138.8	12
PHT10-01(2)	10	17.5	R 1/8	50.2	56.0	8.0	20.2	17.9	14	3.0	48.8	15
PHT10-02(2)			R 1/4	61.2	59.5	10.0		21.9	17	4.0	69.8	12
PHT10-03(2)			R 3/8	63.8	63.7	11.0		21.9	21	5.0	99.8	9
PHT10-04(2)			R 1/2	72.2	67.2	14.0		23.9	24	6.0	144.8	9
PHT12-02(2)	12	20.5	R 1/4	61.2	66.0	10.0	22.7	21.9	17	4.0	74.4	9
PHT12-03(2)			R 3/8	63.8	70.2	11.0		21.9	21	5.0	116.4	9
PHT12-04(2)			R 1/2	72.2	74.7	14.0		23.9	24	6.0	158.4	8



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHT 04-G01(2)	4	10.5	G1/8	48.2	46.9	5.0	16.2	17.9	14	3.0	37.2	25
PHT 04-G02(2)			G1/4	59.2	50.6	6.5		21.9	17	3.2	56.2	25
PHT 04-G03(2)			G3/8	60.8	54.4	6.5		21.9	21	3.2	83.2	25
PHT 04-G04(2)			G1/2	67.2	58.3	8.0		23.9	24	3.2	119.2	20
PHT 06-G01(2)	6	12.5	G1/8	48.2	48.3	5.0	17.0	17.9	14	3.0	37.8	25
PHT 06-G02(2)			G1/4	59.2	52.0	6.5		21.9	17	4.0	56.8	20
PHT 06-G03(2)			G3/8	60.8	55.8	6.5		21.9	21	5.0	83.8	16
PHT 06-G04(2)			G1/2	67.2	58.7	8.0		23.9	24	5.0	119.8	16
PHT 08-G01(2)	8	14.5	G1/8	48.2	52.1	5.0	19.1	17.9	14	3.0	39.8	20
PHT 08-G02(2)			G1/4	59.2	55.6	6.5		21.9	17	4.0	58.8	20
PHT 08-G03(2)			G3/8	60.8	59.4	6.5		21.9	21	5.0	63.8	12
PHT 08-G04(2)			G1/2	67.2	62.3	8.0		23.9	24	6.0	119.8	12
PHT 10-G01(2)	10	17.5	G1/8	48.2	56.0	5.0	20.2	17.9	14	3.0	39.8	15
PHT 10-G02(2)			G1/4	59.2	59.5	6.5		21.9	17	4.0	58.8	12
PHT 10-G03(2)			G3/8	60.8	63.7	6.5		21.9	21	5.0	83.8	9
PHT 10-G04(2)			G1/2	67.2	67.2	8.0		23.9	24	6.0	119.8	9
PHT 12-G02(2)	12	20.5	G1/4	59.2	66.0	6.5	22.7	21.9	17	4.0	60.4	9
PHT 12-G03(2)			G3/8	60.8	70.2	6.5		21.9	21	5.0	85.4	9
PHT 12-G04(2)			G1/2	67.2	74.7	8.0		23.9	24	6.0	121.4	8



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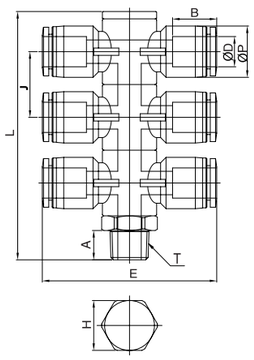
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PHT(3)

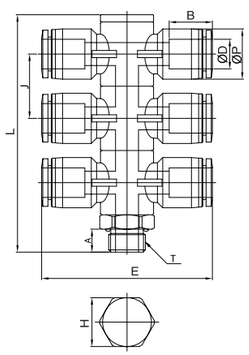
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHT04-01(3)	4	10.5	R1/8	68.1	46.9	8.0	16.2	17.9	14	3.0	50.8	20
PHT04-02(3)			R1/4	83.1	50.6	10.0		21.9	17	3.2	81.8	20
PHT04-03(3)			R3/8	85.7	54.4	11.0		21.9	21	3.2	121.8	20
PHT04-04(3)			R1/2	96.0	58.3	14.0		23.9	24	3.2	168.8	15
PHT06-01(3)	6	12.5	R1/8	68.1	48.3	8.0	17.0	17.9	14	3.0	55.2	15
PHT06-02(3)			R1/4	83.1	52.0	10.0		21.9	17	4.0	86.2	15
PHT06-03(3)			R3/8	85.7	55.8	11.0		21.9	21	5.0	125.2	12
PHT06-04(3)			R1/2	96.0	58.7	14.0		23.9	24	5.0	173.2	9
PHT08-01(3)	8	14.5	R1/8	68.1	52.1	8.0	19.1	17.9	14	3.0	62.2	15
PHT08-02(3)			R1/4	83.1	55.6	10.0		21.9	17	4.0	89.2	12
PHT08-03(3)			R3/8	85.7	59.4	11.0		21.9	21	5.0	129.8	12
PHT08-04(3)			R1/2	96.0	62.3	14.0		23.9	24	6.0	178.8	8
PHT10-01(3)	10	17.5	R1/8	68.1	56.0	8.0	20.2	17.9	14	3.0	67.2	10
PHT10-02(3)			R1/4	83.1	59.5	10.0		21.9	17	4.0	101.2	10
PHT10-03(3)			R3/8	85.7	63.7	11.0		21.9	21	5.0	137.2	8
PHT10-04(3)			R1/2	96.0	67.2	14.0		23.9	24	6.0	186.2	8
PHT12-02(3)	12	20.5	R1/4	83.1	66.0	10.0	22.7	21.9	17	4.0	121.6	8
PHT12-03(3)			R3/8	85.7	70.2	11.0		21.9	21	5.0	154.6	8
PHT12-04(3)			R1/2	96.0	74.7	14.0		23.9	24	6.0	204.6	8



METRIC-BSPP(G)

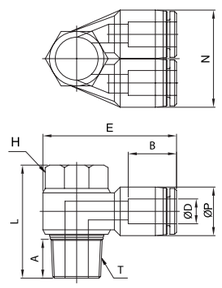
MODEL	ØD	ØP	T	L	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PHT04-G01(3)	4	10.5	G1/8	66.1	46.9	5.0	16.2	17.9	14	3.0	45.8	20
PHT04-G02(3)			G1/4	81.1	50.6	6.5		21.9	17	3.2	69.8	20
PHT04-G03(3)			G3/8	82.7	54.4	6.5		21.9	21	3.2	102.8	20
PHT04-G04(3)			G1/2	91.0	58.3	8.0		23.9	24	3.2	146.8	15
PHT06-G01(3)	6	12.5	G1/8	66.1	48.3	5.0	17.0	17.9	14	3.0	46.2	15
PHT06-G02(3)			G1/4	81.1	52.0	6.5		21.9	17	4.0	70.2	15
PHT06-G03(3)			G3/8	82.7	55.8	6.5		21.9	21	5.0	103.2	12
PHT06-G04(3)			G1/2	91.0	58.7	8.0		23.9	24	5.0	147.2	9
PHT08-G01(3)	8	14.5	G1/8	66.1	52.1	5.0	19.1	17.9	14	3.0	47.2	15
PHT08-G02(3)			G1/4	81.1	55.6	6.5		21.9	17	4.0	69.2	12
PHT08-G03(3)			G3/8	82.7	59.4	6.5		21.9	21	5.0	104.2	12
PHT08-G04(3)			G1/2	91.0	62.3	8.0		23.9	24	6.0	148.2	8
PHT10-G01(3)	10	17.5	G1/8	66.1	56.0	5.0	20.2	17.9	14	3.0	46.2	10
PHT10-G02(3)			G1/4	81.1	59.5	6.5		21.9	17	4.0	70.2	10
PHT10-G03(3)			G3/8	82.7	63.7	6.5		21.9	21	5.0	103.2	8
PHT10-G04(3)			G1/2	91.0	67.2	8.0		23.9	24	6.0	147.2	8
PHT12-G02(3)	12	20.5	G1/4	81.1	66.0	6.5	22.7	21.9	17	4.0	71.6	8
PHT12-G03(3)			G3/8	82.7	70.2	6.5		21.9	21	5.0	104.6	8
PHT12-G04(3)			G1/2	91.0	74.7	8.0		23.9	24	6.0	148.6	8



PA

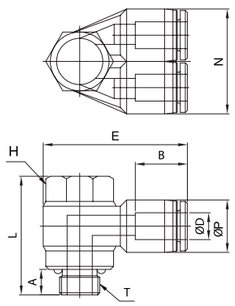
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	N	E	A	B	H(Hex)	ORFICE	WEIGHT(g)
PA04-M5	4	10.5	M5×0.8p	18.2	21.0	25.1	3.6	16.3	8	1.5	7.8
PA06-01	6	12.5	R1/8	25.0	25.0	31.2	8.0	17.6	11	3.0	15.7
PA08-02	8	14.8	R1/4	28.8	29.6	36.8	10.0	18.7	15	4.5	26.7
PA10-02	10	17.5	R1/4	28.8	35.0	38.8	10.0	19.6	15	4.3	29.2
PA10-03	10	17.5	R3/8	32.7	35.0	42.2	11.0	19.6	19	4.3	46.2
PA12-03	12	20.5	R3/8	32.7	41.0	45.9	11.0	21.9	19	4.3	54.1
PA12-04	12	20.5	R1/2	39.4	41.0	50.1	14.0	21.9	24	6.0	74.1



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	N	E	A	B	H(Hex)	ORFICE	WEIGHT(g)
PA06-G01	6	12.5	G1/8	23.5	25.0	33.5	4.5	17.6	8	3.0	15.7
PA08-G02	8	14.8	G1/4	28.0	29.6	38.3	6.0	18.7	12	4.5	25.7
PA10-G02	10	17.5	G1/4	28.0	35.0	39.5	6.0	19.6	12	4.5	27.2
PA10-G03	10	17.5	G3/8	32.5	35.0	42.5	6.0	19.6	14	6.0	50.2
PA12-G03	12	20.5	G3/8	32.5	41.0	44.8	6.0	21.9	14	6.0	53.1
PA12-G04	12	20.5	G1/2	34.0	41.0	50.3	7.5	21.9	19	8.0	73.1



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E-mail: info@famcocorp.com
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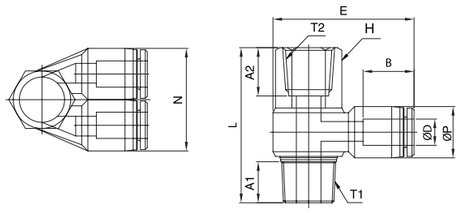
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PAF

METRIC-BSPT(R)

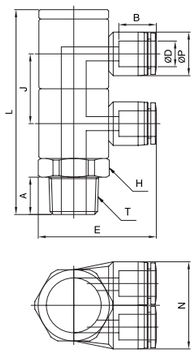
MODEL	ØD	ØP	T1	T2	L	N	E	A1	A2	B	H(Hex)	ORFICE	WEIGHT(g)
PA04-M5	4	10.5	M5×0.8p	M5×0.8p	20.0	18.2	35.1	3.6	7.0	16.3	8	1.5	7.8
PA06-01	6	12.5	Rc 1/8	R1/8	30.2	25.0	31.2	8.0	8.0	17.6	14	3.0	20.7
PA08-02	8	14.8	Rc 1/4	R1/4	35.5	28.8	36.8	10.0	10.0	18.7	17	4.0	31.7
PA10-02	10	17.5	Rc 1/4	R1/4	35.5	28.8	38.8	10.0	10.0	19.6	17	4.0	33.2
PA10-03	10	17.5	Rc 3/8	R3/8	41.2	32.7	42.2	11.0	11.0	19.6	21	5.0	57.2
PA12-03	12	20.5	Rc 3/8	R3/8	41.2	32.7	45.9	11.0	11.0	21.9	21	5.0	67.1
PA12-04	12	20.5	Rc 1/2	R1/2	50.0	39.4	50.1	14.0	14.0	21.9	24	6.0	90.1



PAT(2)

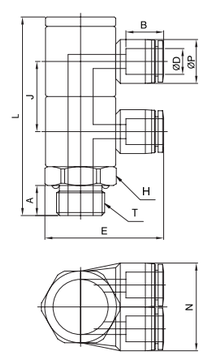
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	N	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)
PAT04-01(2)	4	10.5	R 1/8	50.2	21.0	31.2	8.0	16.2	17.9	14	3.0	35.6
PAT04-02(2)			R 1/4	61.2		34.6	10.0		21.9	17	3.2	54.6
PAT04-03(2)			R 3/8	63.8		38.4	11.0		21.9	21	3.2	81.6
PAT04-04(2)			R 1/2	72.2		42.6	14.0		23.9	24	3.2	117.6
PAT06-01(2)	6	12.5	R 1/8	50.2	25.0	31.9	8.0	17.0	17.9	14	3.0	36.4
PAT06-02(2)			R 1/4	61.2		35.3	10.0		21.9	17	4.0	55.4
PAT06-03(2)			R 3/8	63.8		39.1	11.0		21.9	21	5.0	82.4
PAT06-04(2)			R 1/2	72.2		42.8	14.0		23.9	24	5.0	118.4
PAT08-01(2)	8	14.5	R 1/8	50.2	29.0	33.8	8.0	19.1	17.9	14	3.0	38.4
PAT08-02(2)			R 1/4	61.2		37.1	10.0		21.9	17	4.0	57.4
PAT08-03(2)			R 3/8	63.8		40.9	11.0		21.9	21	5.0	82.4
PAT08-04(2)			R 1/2	72.2		44.6	14.0		23.9	24	6.0	118.4
PAT10-01(2)	10	17.5	R 1/8	50.2	35.0	35.7	8.0	20.2	17.9	14	3.0	39.4
PAT10-02(2)			R 1/4	61.2		39.0	10.0		21.9	17	4.0	58.4
PAT10-03(2)			R 3/8	63.8		43.1	11.0		21.9	21	5.0	83.4
PAT10-04(2)			R 1/2	72.2		47.0	14.0		23.9	24	6.0	119.4
PAT12-02(2)	12	20.5	R 1/4	61.2	41.0	42.3	10.0	22.7	21.9	17	4.0	60.2
PAT12-03(2)			R 3/8	63.8		46.3	11.0		21.9	21	5.0	85.2
PAT12-04(2)			R 1/2	72.2		50.8	14.0		23.9	24	6.0	121.2



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	N	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)
PAT04-G01(2)	4	10.5	G 1/8	48.2	21.0	31.2	5.0	16.2	17.9	14	3.0	37.2
PAT04-G02(2)			G 1/4	59.2		34.6	6.5		21.9	17	3.2	56.2
PAT04-G03(2)			G 3/8	60.8		38.4	6.5		21.9	21	3.2	83.2
PAT04-G04(2)			G 1/2	67.2		42.6	8.0		23.9	24	3.2	119.2
PAT06-G01(2)	6	12.5	G 1/8	48.2	25.0	31.9	5.0	17.0	17.9	14	3.0	37.8
PAT06-G02(2)			G 1/4	59.2		35.3	6.5		21.9	17	4.0	56.8
PAT06-G03(2)			G 3/8	60.8		39.1	6.5		21.9	21	5.0	83.8
PAT06-G04(2)			G 1/2	67.2		42.8	8.0		23.9	24	5.0	119.8
PAT08-G01(2)	8	14.5	G 1/8	48.2	29.0	33.8	5.0	19.1	17.9	14	3.0	39.8
PAT08-G02(2)			G 1/4	59.2		37.1	6.5		21.9	17	4.0	58.8
PAT08-G03(2)			G 3/8	60.8		40.9	6.5		21.9	21	5.0	63.8
PAT08-G04(2)			G 1/2	67.2		44.6	8.0		23.9	24	6.0	119.8
PAT10-G01(2)	10	17.5	G 1/8	48.2	35.0	35.7	5.0	20.2	17.9	14	3.0	39.8
PAT10-G02(2)			G 1/4	59.2		39.0	6.5		21.9	17	4.0	58.8
PAT10-G03(2)			G 3/8	60.8		43.1	6.5		21.9	21	5.0	83.8
PAT10-G04(2)			G 1/2	67.2		47.0	8.0		23.9	24	6.0	119.8
PAT12-G02(2)	12	20.5	G 1/4	59.2	41.0	42.3	6.5	22.7	21.9	17	4.0	60.4
PAT12-G03(2)			G 3/8	60.8		46.3	6.5		21.9	21	5.0	85.4
PAT12-G04(2)			G 1/2	67.2		50.8	8.0		23.9	24	6.0	121.4



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E-mail: info@famcocorp.com
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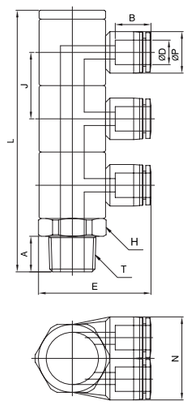
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PAT(3)

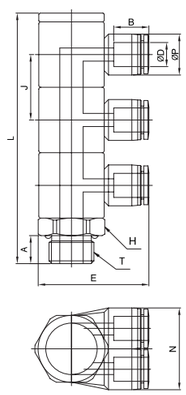
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	N	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)
PAT04-01(3)	4	10.5	R 1/8	68.1	21.0	31.2	8.0	16.2	17.9	14	3.0	36.4
PAT04-02(3)			R 1/4	83.1		34.6	10.0		21.9	17	3.2	39.4
PAT04-03(3)			R 3/8	85.7		38.4	11.0		21.9	21	3.2	49.4
PAT04-04(3)			R 1/2	96.0		42.6	14.0		23.9	24	3.2	57.4
PAT06-01(3)	6	12.5	R 1/8	68.1	25.0	31.9	8.0	17.0	17.9	14	3.0	39.1
PAT06-02(3)			R 1/4	83.1		35.3	10.0		21.9	17	4.0	42.1
PAT06-03(3)			R 3/8	85.7		39.1	11.0		21.9	21	5.0	52.1
PAT06-04(3)			R 1/2	96.0		42.8	14.0		23.9	24	5.0	59.1
PAT08-01(3)	8	14.5	R 1/8	68.1	29.0	33.8	8.0	19.1	17.9	14	3.0	57.1
PAT08-02(3)			R 1/4	83.1		37.1	10.0		21.9	17	4.0	60.1
PAT08-03(3)			R 3/8	85.7		40.9	11.0		21.9	21	5.0	65.1
PAT08-04(3)			R 1/2	96.0		44.6	14.0		23.9	24	6.0	85.1
PAT10-01(3)	10	17.5	R 1/8	68.1	35.0	35.7	8.0	20.2	17.9	14	3.0	101.6
PAT10-02(3)			R 1/4	83.1		39.0	10.0		21.9	17	4.0	105.6
PAT10-03(3)			R 3/8	85.7		43.1	11.0		21.9	21	5.0	112.6
PAT10-04(3)			R 1/2	96.0		47.0	14.0		23.9	24	6.0	119.6
PAT12-02(3)	12	20.5	R 1/4	83.1	41.0	42.3	10.0	22.7	21.9	17	4.0	179.6
PAT12-03(3)			R 3/8	85.7		46.3	11.0		21.9	21	5.0	185.6
PAT12-04(3)			R 1/2	96.0		50.8	14.0		23.9	24	6.0	193.6



METRIC-BSPP(G)

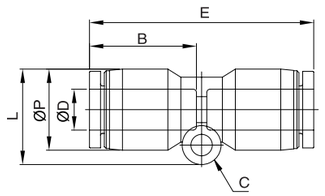
MODEL	ØD	ØP	T	L	N	E	A	B	J	H(Hex)	ORFICE	WEIGHT(g)
PAT04-G01(3)	4	10.5	G 1/8	66.1	21.0	31.2	5.0	16.2	17.9	14	3.0	44.4
PAT04-G02(3)			G 1/4	81.1		34.6	6.5		21.9	17	3.2	68.4
PAT04-G03(3)			G 3/8	82.7		38.4	6.5		21.9	21	3.2	101.4
PAT04-G04(3)			G 1/2	91.0		42.6	8.0		23.9	24	3.2	145.4
PAT06-G01(3)	6	12.5	G 1/8	66.1	25.0	31.9	5.0	17.0	17.9	14	3.0	45.1
PAT06-G02(3)			G 1/4	81.1		35.3	6.5		21.9	17	4.0	69.1
PAT06-G03(3)			G 3/8	82.7		39.1	6.5		21.9	21	5.0	102.1
PAT06-G04(3)			G 1/2	91.0		42.8	8.0		23.9	24	5.0	146.1
PAT08-G01(3)	8	14.5	G 1/8	66.1	29.0	33.8	5.0	19.1	17.9	14	3.0	46.1
PAT08-G02(3)			G 1/4	81.1		37.1	6.5		21.9	17	4.0	70.1
PAT08-G03(3)			G 3/8	82.7		40.9	6.5		21.9	21	5.0	103.1
PAT08-G04(3)			G 1/2	91.0		44.6	8.0		23.9	24	6.0	147.1
PAT10-G01(3)	10	17.5	G 1/8	66.1	35.0	35.7	5.0	20.2	17.9	14	3.0	46.6
PAT10-G02(3)			G 1/4	81.1		39.0	6.5		21.9	17	4.0	70.6
PAT10-G03(3)			G 3/8	82.7		43.1	6.5		21.9	21	5.0	103.6
PAT10-G04(3)			G 1/2	91.0		47.0	8.0		23.9	24	6.0	147.6
PAT12-G02(3)	12	20.5	G 1/4	81.1	41.0	42.3	6.5	22.7	21.9	17	4.0	72.3
PAT12-G03(3)			G 3/8	82.7		46.3	6.5		21.9	21	5.0	105.3
PAT12-G04(3)			G 1/2	91.0		50.8	8.0		23.9	24	6.0	149.3



PUC

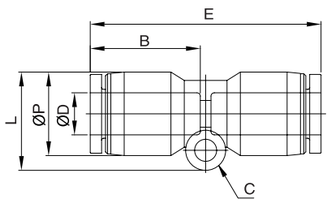
METRIC

MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PUC 04	4	10.5	12.8	34.6	3.3	16.3	3.0	3.6	100
PUC 06	6	12.5	14.8	36.8	3.3	17.6	4.0	7.4	100
PUC 08	8	14.8	19.9	39.4	4.3	18.7	6.5	8.4	50
PUC 10	10	17.5	20.0	43.2	4.3	19.6	8.0	11.4	50
PUC 12	12	20.5	23.3	47.8	4.3	21.9	10.0	16.2	25
PUC 16	16	25.5	25.5	51.1	–	24.0	13.0	31.0	25



INCH

MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PUC5/32	5/32	10.5	12.8	34.6	3.3	16.3	3.0	3.6	100
PUC3/16	3/16	11.5	15.1	35.5	3.5	16.8	3.5	3.4	100
PUC1/4	1/4	13.0	16.3	36.8	3.5	17.4	4.8	6.4	100
PUC5/16	5/16	14.5	19.9	39.4	4.3	18.7	6.5	8.4	50
PUC3/8	3/8	17.5	21.5	42.6	4.5	20.2	8.0	13.4	50
PUC1/2	1/2	21.0	24.5	48.9	4.5	22.0	9.0	19.0	25



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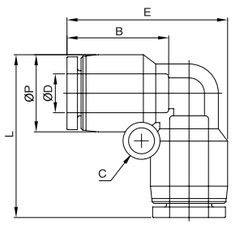
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PUL

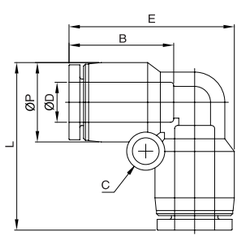
METRIC

MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PUL 04	4	10.5	24.2	24.2	3.3	16.3	3.0	4.6	100
PUL 06	6	12.5	27.5	27.5	3.3	17.6	5.0	5.4	100
PUL 08	8	14.8	30.7	30.7	4.3	18.7	7.0	8.4	50
PUL 10	10	17.5	34.1	34.1	4.3	19.6	8.0	11.4	50
PUL 12	12	20.5	39.9	39.9	4.3	21.9	10.0	19.2	25
PUL 16	16	25.5	46.7	46.7	4.3	24.0	13.0	38.0	20



INCH

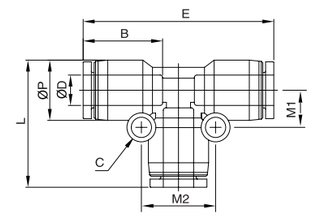
MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PUL5/32	5/32	10.5	24.2	24.2	3.3	16.3	3.0	4.6	100
PUL3/16	3/16	11.5	25.5	25.5	3.5	16.8	3.5	4.4	100
PUL1/4	1/4	13.0	27.8	27.8	3.5	17.4	4.8	7.4	100
PUL5/16	5/16	14.5	30.7	30.7	4.3	18.7	7.0	9.4	50
PUL3/8	3/8	17.5	34.6	34.6	4.5	20.2	8.0	14.4	25
PUL1/2	1/2	21.0	40.8	40.8	4.5	22.0	9.0	22.0	20



PUT

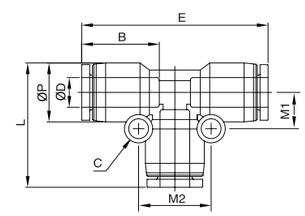
METRIC

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PUT 04	4	10.5	24.2	36.6	3.3	16.3	6.4	12.8	2.6	9.4	100
PUT 06	6	12.5	27.5	41.8	3.3	17.6	7.7	15.4	5.0	10.1	50
PUT 08	8	14.8	30.7	44.9	4.3	18.7	8.9	17.8	6.5	12.1	50
PUT 10	10	17.5	34.1	48.2	4.3	19.6	10.9	21.8	8.0	15.6	25
PUT 12	12	20.5	39.9	56.8	4.3	21.9	12.4	24.8	10.0	26.3	25
PUT 16	16	25.5	47.2	68.2	4.3	24.0	15.9	31.8	13.0	52.0	15



INCH

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PUT5/32	5/32	10.5	36.6	24.2	3.3	16.3	6.4	12.8	3.0	6.4	100
PUT3/16	3/16	11.5	39.5	25.5	3.5	16.8	7.5	15.0	3.5	6.1	100
PUT1/4	1/4	13.0	42.6	27.8	3.5	17.4	8.3	16.5	4.8	10.1	50
PUT5/16	5/16	14.5	44.9	30.7	4.3	18.7	8.9	17.8	6.5	13.1	50
PUT3/8	3/8	17.5	51.6	34.6	4.5	20.2	11.0	22.0	8.0	19.6	25
PUT1/2	1/2	21.0	60.5	40.8	4.5	22.0	12.8	25.5	9.0	31.0	25



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E-mail: info@famcocorp.com
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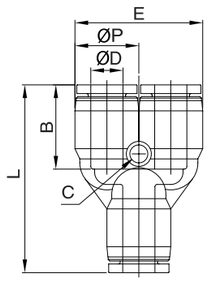
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PY

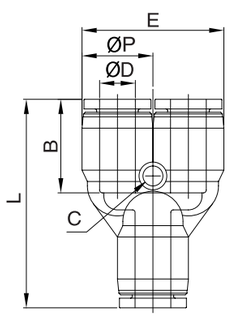
METRIC

MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PY04	4	10.5	37.1	21.0	3.3	16.3	3.0	6.4	100
PY06	6	12.5	40.2	25.0	3.3	17.6	5.2	9.1	100
PY08	8	14.8	43.4	29.0	4.3	18.7	6.8	12.1	50
PY10	10	17.5	47.7	35.0	4.3	19.6	8.0	17.6	25
PY12	12	20.5	53.3	41.0	4.3	21.9	10.3	28.3	25



INCH

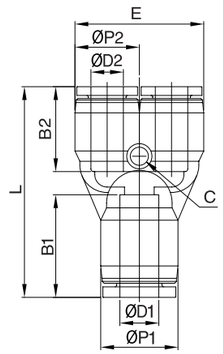
MODEL	ØD	ØP	L	E	C	B	ORFICE	WEIGHT(g)	BOX(EA)
PY5/32	5/32	10.5	37.1	21.0	3.3	16.3	2.5	7.4	100
PY3/16	3/16	11.5	37.1	23.0	3.3	16.8	3.0	7.1	100
PY1/4	1/4	13.0	39.8	26.0	3.3	17.4	4.0	9.1	50
PY5/16	5/16	14.5	43.4	29.0	4.3	18.7	6.8	13.1	50
PY3/8	3/8	17.5	47.7	35.0	4.3	19.6	8.0	19.6	25
PY1/2	1/2	21.0	54.5	42.0	4.3	22.0	10.3	29.0	25



PW

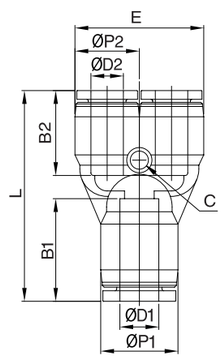
METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	ORFICE	WEIGHT(g)	BOX(EA)
PW06-04	6	4	12.5	10.5	37.9	21.0	3.3	17.6	16.3	3.4	7.3	100
PW08-04	8	4	14.8	10.5	39.7	21.0	3.3	18.7	16.3	3.7	9.3	50
PW08-06		6		12.5	41.3	25.0	3.3	18.7	17.6	5.4	10.1	50
PW10-06	10	6	17.5	12.5	43.0	25.0	3.3	19.6	17.6	5.6	12.6	50
PW10-08		8		14.8	43.3	29.6	4.3	19.6	18.7	7.0	14.6	50
PW12-08	12	8	20.5	14.8	47.8	29.6	3.3	21.9	18.7	7.3	16.5	25
PW12-10		10		17.5	46.5	35.0	4.3	21.9	19.6	8.0	21.5	25



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	ORFICE	WEIGHT(g)	BOX(EA)
PW3/16-5/32	3/16	5/32	11.5	10.5	37.0	21.0	3.3	16.8	16.3	3.3	8.3	50
PW1/4-5/32	1/4	5/32	13.0	10.5	38.1	21.0	3.3	17.4	16.3	3.3	8.3	100
PW1/4-3/16		3/16		11.5	38.7	23.0	3.3	17.4	16.8	4.0	8.1	50
PW5/16-5/32	5/16	5/32	14.5	10.5	39.7	21.0	3.3	18.7	16.3	3.7	9.3	100
PW5/16-1/4		1/4		13.0	42.1	26.0	3.3	18.7	17.4	5.0	12.1	50
PW3/8-1/4	3/8	1/4	17.5	13.0	43.2	26.0	3.3	19.6	17.4	5.0	14.6	50
PW3/8-5/16		5/16		14.5	43.3	29.0	4.3	19.6	18.7	7.0	16.6	50
PW1/2-5/16	1/2	5/16	21.0	14.5	48.0	29.0	3.3	22.0	18.7	6.4	18.4	25
PW1/2-3/8		3/8		17.5	50.8	35.0	4.5	22.0	20.2	7.0	26.2	25



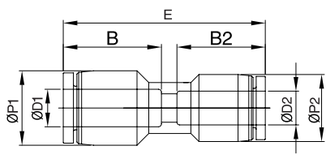
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PG

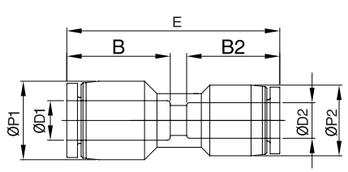
METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	ORFICE	WEIGHT(g)	BOX(EA)
PG 06-04	6	4	12.5	10.5	36.6	17.6	16.3	3.0	5.5	100
PG 08-04	8	4	14.8	10.5	38.7	18.7	16.3	3.2	5.5	100
PG 08-06		6	14.8	12.5	37.6	18.7	17.6	4.0	7.4	100
PG 10-06	10	6	17.5	12.5	39.9	19.6	17.6	5.0	7.9	50
PG 10-08		8	17.5	14.8	41.0	19.6	18.7	6.5	8.9	50
PG 12-08	12	8	20.5	14.8	45.9	21.9	18.7	6.5	11.8	50
PG 12-10		10	20.5	17.5	44.0	21.9	19.6	8.0	13.3	50
PG 16-12	16	12	25.5	20.5	49.7	24.0	21.9	10.0	24.1	25

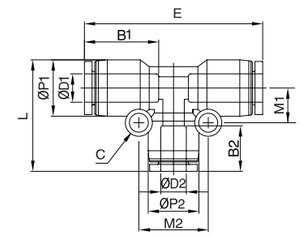


INCH

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	ORFICE	WEIGHT(g)	BOX(EA)
PG 3/16-5/32	3/16	5/32	11.5	10.5	35.0	16.8	16.3	3.2	5.5	100
PG 1/4-5/32	1/4	5/32	13.0	10.5	35.6	17.4	16.3	3.2	5.5	100
PG 1/4-3/16		3/16		11.5	36.2		16.8	3.8	5.4	100
PG 5/16-5/32	5/16	5/32	14.5	10.5	38.7	18.7	16.3	3.2	5.5	50
PG 5/16-1/4		1/4		13.0	38.1		17.4	5.0	7.4	50
PG 3/8-1/4	3/8	1/4	17.5	13.0	39.7	20.2	17.4	5.0	7.9	50
PG 3/8-5/16		5/16		14.5	41.0		18.7	7.0	10.9	50
PG 1/2-3/8	1/2	3/8	21.0	17.5	45.3	22.0	20.2	8.0	16.2	25

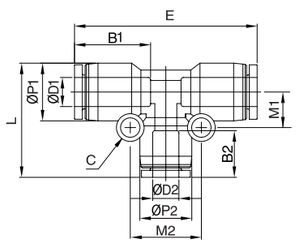


PGT



METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PGT 06-04	6	4	12.5	10.5	25.4	41.6	3.3	17.6	16.3	7.9	13.8	3.0	8.2	50
PGT 08-06	8	6	14.8	12.5	29.4	46.1	4.3	18.7	17.6	9.7	17.0	5.0	11.1	50
PGT 10-06	10	6	17.5	12.5	31.9	49.2	4.3	19.6	17.6	10.9	16.8	5.0	14.1	50
PGT 10-08		8	17.5	14.8	33.5	49.2			18.7		18.8	6.5	15.1	50
PGT 12-08	12	8	20.5	14.8	35.8	56.0	4.3	21.9	18.7	12.4	18.8	7.0	20.9	25
PGT 12-10		10	20.5	17.5	37.6	56.0			19.6		21.9	8.0	25.4	25
PGT 16-10	16	10	25.5	17.5	43.1	60.8	4.3	24.0	19.6	15.9	22.8	8.0	40.2	15
PGT 16-12		12	25.5	20.5	45.5	63.7			21.9		25.8	10.0	44.1	15



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PGT1/4-5/32	1/4	5/32	13.0	10.5	26.6	40.6	4.3	17.6	16.3	8.3	14.5	3.2	8.2	50
PGT5/16-1/4	5/16	1/4	14.5	13.0	28.4	43.2	4.5	18.7	17.6	9.7	17.5	5.0	11.1	50
PGT3/8-1/4	3/8	1/4	17.5	13.0	32.2	48.6	4.5	20.2	17.6	11.0	17.5	5.0	17.1	50
PGT3/8-5/16	3/8	5/16	17.5	14.5	33.5	50.6	4.5	20.2	18.7	10.9	18.8	6.5	18.1	50
PGT1/2-3/8	1/2	3/8	21.0	17.5	36.8	58.5	4.5	22.0	20.2	12.8	22.0	8.0	25.2	25

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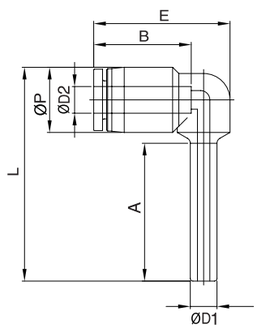
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PLJ

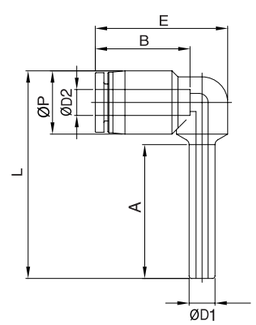
METRIC

MODEL	ØD1	ØD2	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PLJ04	4	4	10.5	28.4	18.8	22.0	16.3	2.0	2.8	100
PLJ06	6	6	12.5	31.4	20.3	24.0	17.6	4.0	4.7	50
PLJ08	8	8	14.8	34.3	23.0	26.0	18.7	6.0	5.7	50
PLJ10	10	10	17.5	37.9	24.2	28.0	19.6	7.0	8.2	50
PLJ12	12	12	20.5	41.4	28.0	30.0	21.9	9.0	13.1	25
PLJ16	16	16	25.5	48.5	32.0	35.0	24.0	12.0	34.0	20
PLJ06-04	6	4	12.5	43.8	18.8	25.0	17.6	2.0	4.0	50
PLJ08-06	8	6	14.8	47.8	20.3	26.0	18.7	4.0	6.1	50
PLJ10-08	10	8	17.5	52.4	23.0	28.0	19.6	6.0	7.7	50
PLJ12-10	12	10	20.5	56.8	24.2	30.0	21.9	7.0	11.2	25



INCH

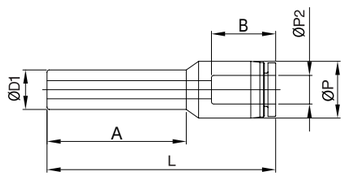
MODEL	ØD1	ØD2	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PLJ 5/32	5/32	5/32	10.5	33.7	18.7	22.0	16.7	2.0	4.8	100
PLJ 3/16	3/16	3/16	11.5	43.3	19.2	24.0	16.9	2.6	4.7	50
PLJ 1/4	1/4	1/4	13.0	47.5	20.5	25.0	17.4	4.2	6.7	50
PLJ 5/16	5/16	5/16	14.5	41.5	23.1	26.0	19.1	6.0	7.7	50
PLJ 3/8	3/8	3/8	17.5	54.6	23.8	28.0	19.8	7.0	14.2	50
PLJ 1/2	1/2	1/2	21.0	62.0	28.3	30.0	23.0	9.0	19.0	25
PLJ 1/4-5/32	1/4	5/32	10.5	43.8	18.7	25.0	16.7	2.0	5.8	50
PLJ 5/16-1/4	5/16	1/4	13.0	48.5	20.5	26.0	17.4	4.2	7.7	50
PLJ 3/8-1/4	3/8	1/4	13.0	50.5	20.5	28.0	17.4	4.2	14.7	50
PLJ 3/8-5/16	3/8	5/16	14.5	54.3	23.1	28.0	19.1	6.0	15.7	25



PGJ

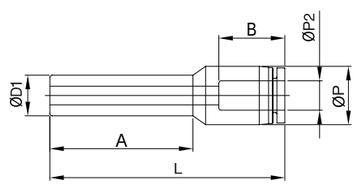
METRIC

MODEL	ØD1	ØD2	ØP	L	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PGJ 06-04	06	4	10.5	41.0	21.7	16.3	3.0	2.8	100
PGJ 08-04	08	4	10.5	42.0	22.7	16.3	3.0	3.8	100
PGJ 08-06		6	12.5	44.3	23.7	17.6	4.8	4.7	100
PGJ 10-06	10	6	12.5	47.3	28.7	17.6	6.0	4.7	50
PGJ 10-08		8	14.8	49.7	27.7	18.7	6.8	5.7	50
PGJ 12-06	12	6	12.5	50.2	33.8	17.6	4.8	5.7	50
PGJ 12-08		8	14.8	52.5	30.7	18.7	8.0	6.7	50
PGJ 12-10		10	17.5	56.5	31.2	19.6	8.0	9.2	50



INCH

MODEL	ØD1	ØD2	ØP	L	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PGJ 1/8-1/4	1/8	1/4	13.0	35.8	16.5	17.4	1.3	2.7	100
PGJ 5/32-1/8	5/32	1/8	7.6	31.7	18.5	11.3	2.0	3.0	100
PGJ 5/32-1/4		1/4	13.0	37.8	18.5	17.4	2.0	2.7	100
PGJ 1/4-1/8	1/4	1/8	7.6	31.7	20.9	11.3	2.5	4.0	100
PGJ 1/4-5/32		5/32	10.5	40.4	23.5	16.3	3.4	3.8	100
PGJ 5/16-5/32	5/16	5/32	10.5	42.9	26.0	16.3	5.0	4.8	100
PGJ 5/16-1/4		1/4	13.0	48.0	29.7	17.4	4.0	4.7	100
PGJ 3/8-1/4	3/8	1/4	13.0	48.0	31.3	17.4	5.6	4.7	50
PGJ 3/8-5/16		5/16	14.5	44.7	25.0	18.7	6.5	5.7	50
PGJ 1/2-1/4	1/2	1/4	13.0	48.3	30.9	17.4	5.7	5.7	50
PGJ 1/2-5/16		5/16	14.5	48.5	33.2	18.7	7.0	6.7	50
PGJ 1/2-3/8		3/8	17.5	51.8	31.8	20.2	8.0	6.2	50



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E-mail: info@famcocorp.com
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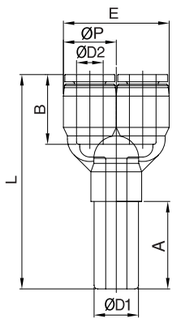
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PYJ

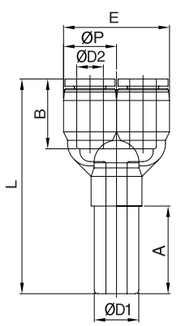
METRIC

MODEL	ØD1	ØD2	ØP	L	E	A	B	ORIFICE	WEIGHT(g)	BOX(EA)
PYJ 04	4	4	10.5	49.5	21.0	22.0	16.8	2.6	6.6	100
PYJ 06	6	6	12.5	54.7	25.0	24.0	17.6	4.0	8.4	50
PYJ 08	8	8	14.5	59.8	29.0	26.0	18.7	5.6	12.4	50
PYJ 10	10	10	17.5	66.1	35.0	28.0	19.6	7.0	18.4	25
PYJ 12	12	12	20.5	71.6	41.0	30.0	21.9	9.0	24.2	25



INCH

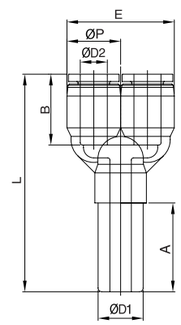
MODEL	ØD1	ØD2	ØP	L	E	A	B	ORIFICE	WEIGHT(g)	BOX(EA)
PYJ5/32	5/32	5/32	10.5	54.2	21.0	24.0	16.3	2.6	9.6	100
PYJ3/16	3/16	3/16	11.5	57.9	23.0	24.0	16.8	2.6	9.4	100
PYJ1/4	1/4	1/4	13.0	60.9	29.0	25.0	17.4	4.0	14.4	50
PYJ5/16	5/16	5/16	14.5	60.5	29.0	26.0	18.7	5.6	22.4	50
PYJ3/8	3/8	3/8	17.5	68.5	35.0	28.0	20.2	7.0	38.4	25
PYJ1/2	1/2	1/2	21.0	80.6	41.0	30.0	22.0	7.0	48.0	20



PWJ

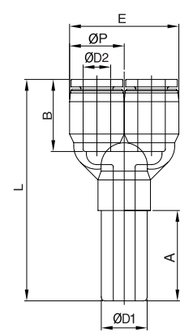
METRIC

MODEL	ØA	ØD	ØP	L	E	A	B	ORIFICE	WEIGHT(g)	BOX(EA)
PWJ 06-04	6	4	10.5	51.5	21.0	24.0	17.6	4.0	6.6	100
PWJ 08-06	8	6	12.5	56.7	25.0	26.0	18.7	5.6	9.4	50
PWJ 10-08	10	8	14.5	61.8	29.0	28.0	19.6	7.0	12.4	50
PWJ 12-10	12	10	17.5	68.1	35.0	30.0	21.9	9.0	19.4	25



INCH

MODEL	ØA	ØD	ØP	L	E	A	B	ORIFICE	WEIGHT(g)	BOX(EA)
PWJ1/4-5/32	1/4	5/32	10.5	55.2	21.0	25.0	16.3	3.0	14.6	100
PWJ5/16-1/4	5/16	1/4	13.0	61.9	29.0	26.3	17.4	5.0	22.4	50
PWJ3/8-1/4	3/8	1/4	13.0	64.2	35.0	28.0	17.4	5.0	39.4	50
PWJ3/8-5/16	3/8	5/16	14.5	62.8	35.0	28.0	18.7	6.0	39.4	50



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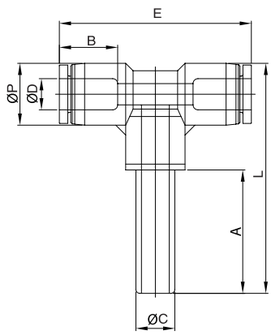
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PTJ

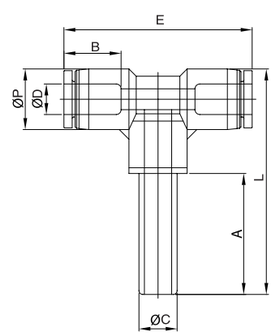
METRIC

MODEL	ØA	ØB	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PTJ 04	4	4	10.5	37.5	37.6	24.0	16.8	2.6	5.6	50
PTJ 06	6	6	12.5	40.5	41.0	25.0	17.6	4.0	8.4	50
PTJ 08	8	8	14.8	43.0	44.4	26.0	18.7	5.6	11.4	50
PTJ 10	10	10	17.5	45.8	47.2	28.0	19.6	7.0	17.4	25
PTJ 12	12	12	20.5	50.9	54.8	30.0	21.9	9.0	23.2	25
PTJ 06-04	6	4	10.5	38.5	37.6	25.0	16.8	2.6	6.6	50
PTJ 08-06	8	6	12.5	41.5	41.0	26.0	17.6	4.0	9.4	50
PTJ 10-08	10	8	14.8	45.3	44.4	28.0	18.7	5.6	12.4	25
PTJ 12-10	12	10	17.5	48.0	47.2	30.0	19.6	7.5	17.4	25



INCH

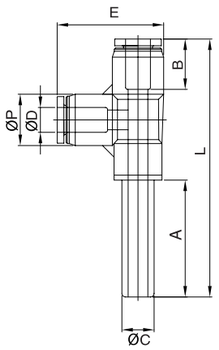
MODEL	ØA	ØB	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PTJ5/32	5/32	5/32	10.5	37.5	37.0	24.0	16.3	2.6	11.6	50
PTJ3/16	3/16	3/16	11.5	37.5	38.2	24.0	16.8	2.6	11.4	50
PTJ1/4	1/4	1/4	13.0	41.0	40.8	25.0	17.4	4.0	16.4	50
PTJ5/16	5/16	5/16	14.5	43.0	43.7	26.0	18.7	5.6	24.4	50
PTJ3/8	3/8	3/8	17.5	45.8	47.7	28.0	20.2	7.0	40.4	25
PTJ1/2	1/2	1/2	21.0	51.5	56.5	30.0	22.0	9.0	50.0	25
PTJ1/4-5/32	1/4	5/32	10.5	38.5	37.0	25.0	16.3	3.0	16.6	50
PTJ5/16-1/4	5/16	1/4	13.0	42.0	40.8	26.0	17.4	4.0	24.4	50
PTJ3/8-1/4	3/8	1/4	13.0	44.3	40.8	28.0	17.4	4.0	41.4	25
PTJ3/8-5/16	3/8	5/16	14.5	45.3	43.7	28.0	18.7	5.6	41.4	25
PTJ1/2-3/8	1/2	3/8	17.5	48.0	47.7	30.0	20.2	7.5	49.8	25



PSJ

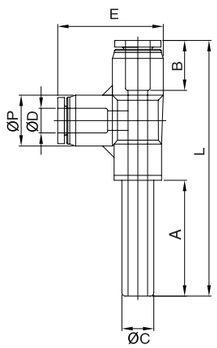
METRIC

MODEL	ØC	ØD	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PSJ 04	4	4	10.5	58.2	25.1	24.0	16.8	2.6	6.6	50
PSJ 06	6	6	12.5	62.6	28.1	25.0	17.6	4.0	9.4	50
PSJ 08	8	8	14.8	67.2	30.9	26.0	18.7	5.6	12.4	25
PSJ 10	10	10	17.5	72.9	34.6	28.0	19.6	7.0	17.4	25
PSJ 12	12	12	20.5	81.7	40.3	30.0	21.9	9.0	25.8	25
PSJ 06-04	6	4	10.5	59.2	25.1	25.0	16.8	2.6	6.6	50
PSJ 08-06	8	6	12.5	63.6	28.1	26.0	17.6	4.0	9.4	25
PSJ 10-08	10	8	14.8	69.5	30.9	28.0	18.7	5.6	13.4	25
PSJ 12-10	12	10	17.5	75.1	34.6	30.0	19.6	7.5	27.4	25



INCH

MODEL	ØC	ØD	ØP	L	E	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PSJ5/32	5/32	5/32	10.5	58.2	25.0	24.0	16.3	2.6	11.6	50
PSJ3/16	3/16	3/16	11.5	57.6	25.1	24.0	16.8	2.6	11.4	50
PSJ1/4	1/4	1/4	13.0	62.5	28.0	25.0	17.4	4.0	16.4	50
PSJ5/16	5/16	5/16	14.5	67.2	30.9	26.0	18.7	5.6	24.4	50
PSJ3/8	3/8	3/8	17.5	73.0	34.7	28.0	20.2	7.0	40.4	25
PSJ1/2	1/2	1/2	21.0	81.8	40.8	30.0	22.0	9.0	50.0	25
PSJ1/4-5/32	1/4	5/32	10.5	59.2	25.0	25.0	16.3	3.0	16.6	50
PSJ5/16-1/4	5/16	1/4	13.0	63.5	28.0	26.0	17.4	4.0	24.4	50
PSJ3/8-1/4	3/8	1/4	13.0	65.8	28.0	28.0	17.4	4.0	41.4	25
PSJ3/8-5/16	3/8	5/16	14.5	69.5	30.9	28.0	18.7	5.6	41.4	25
PSJ1/2-3/8	1/2	3/8	17.5	75.2	34.7	30.0	20.2	7.5	49.4	25



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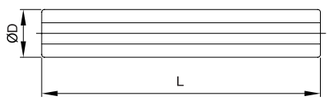
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PIJ

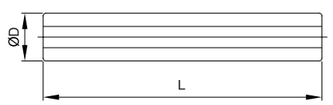
METRIC

MODEL	ØD	L	ORFICE	WEIGHT(g)	BOX(EA)
PIJ 04	4	37.0	2.5	1.0	100
PIJ 06	6	39.0	3.5	1.0	100
PIJ 08	8	41.0	5.0	2.0	100
PIJ 10	10	44.0	7.0	3.0	100
PIJ 12	12	49.0	8.5	4.0	50
PIJ 16	16	53.2	11.8	6.8	50



INCH

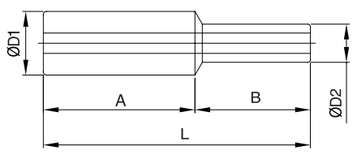
MODEL	ØD	L	ORFICE	WEIGHT(g)	BOX(EA)
PIJ 5/32	5/32	36.0	2.5	1.0	100
PIJ 3/16	3/16	38.0	2.8	1.0	100
PIJ 1/4	1/4	40.0	3.5	1.0	100
PIJ 5/16	5/16	42.0	5.0	2.0	100
PIJ 3/8	3/8	45.0	7.0	3.0	100
PIJ 1/2	1/2	45.0	9.2	4.0	50



PIG

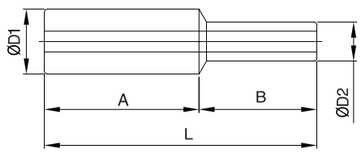
METRIC

MODEL	ØD1	ØD2	L	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PIG 06-04	6	4	38.0	20.0	18.0	2.0	1.0	100
PIG 08-04	8	4	40.0	21.0	19.0	2.0	1.0	100
PIG 08-06		6	41.5		20.5	3.5	2.0	100
PIG 10-06	10	6	42.5	22.0	20.5	3.5	2.0	100
PIG 10-08		8	43.5		21.5	5.0	3.0	100
PIG 12-08	12	8	45.5	24.0	21.5	5.0	3.0	100
PIG 12-10		10	46.5		22.5	6.8	3.0	100
PIG 16-12	16	12	52.0	27.0	25.0	8.5	6.0	50



INCH

MODEL	ØD1	ØD2	L	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PIG3/16-5/32	3/16	5/32	40.0	20.0	20.0	2.0	1.0	100
PIG1/4-5/32	1/4	5/32	41.0	21.0	20.0	2.0	1.0	100
PIG1/4-3/16		3/16	41.0		20.0	2.8	1.0	100
PIG5/16-1/4	5/16	1/4	43.0	22.0	21.0	4.0	2.0	100
PIG3/8-1/4	3/8	1/4	44.0	23.0	21.0	4.0	3.0	100
PIG3/8-5/16		5/16	45.0		22.0	5.0	3.0	100
PIG1/2-3/8	1/2	3/8	48.0	25.0	23.0	6.5	4.0	100



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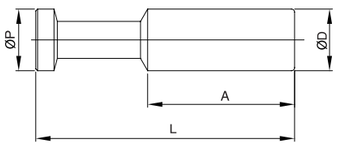
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PP

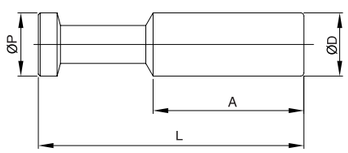
METRIC

MODEL	ØD	ØP	L	A	WEIGHT(g)	BOX(EA)
PP 04	4	4	30.0	17.7	1.0	100
PP 06	6	6	34.0	19.4	1.0	100
PP 08	8	8	38.0	21.2	1.0	100
PP 10	10	10	42.0	23.8	2.0	100
PP 12	12	12	46.0	29.5	3.0	100
PP 16	16	16	50.0	30.0	12.0	50



INCH

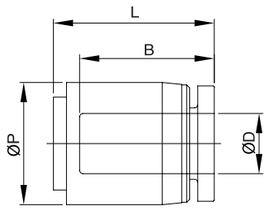
MODEL	ØD	ØP	L	A	WEIGHT(g)	BOX(EA)
PP 5/32	5/32	5/32	30.0	18.0	1.0	100
PP 3/16	3/16	3/16	33.0	19.0	1.0	100
PP 1/4	1/4	1/4	34.0	20.0	1.0	100
PP 5/16	5/16	5/16	38.0	22.0	1.0	100
PP 3/8	3/8	3/8	42.0	25.0	2.0	100
PP 1/2	1/2	1/2	46.0	28.0	3.0	50



PPF

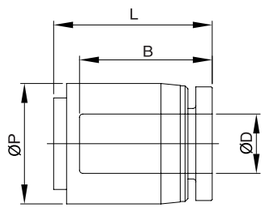
METRIC

MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
PPF 04	4	10.5	18.0	16.8	2.8	100
PPF 06	6	12.5	19.0	17.6	3.8	100
PPF 08	8	14.5	21.0	18.7	3.7	100
PPF 10	10	17.5	23.0	19.6	5.5	100
PPF 12	12	20.5	25.0	21.9	9.3	50
PPF 16	16	25.5	27.5	24.0	17.0	50



INCH

MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
PPF 5/32	5/32	10.5	18.9	16.3	2.0	100
PPF 3/16	3/16	11.5	18.8	16.8	2.0	100
PPF 1/4	1/4	13.0	19.9	17.4	3.0	100
PPF 5/16	5/16	14.5	21.5	18.7	4.0	100
PPF 3/8	3/8	17.5	22.8	20.2	7.0	100
PPF 1/2	1/2	21.0	26.0	22.0	10.0	50



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E-mail: info@famcocorp.com
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Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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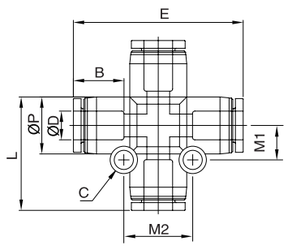
One -Touch Fittings

PZA

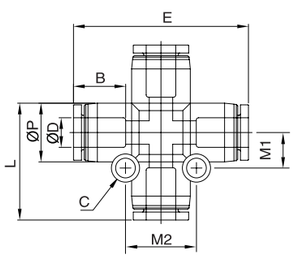
METRIC

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PZA 04	4	10.5	37.9	36.6	3.3	16.8	6.4	12.8	2.6	8.2	50
PZA 06	6	12.5	42.5	41.8	4.3	17.6	7.5	14.9	4.5	10.8	50
PZA 08	8	14.8	46.8	44.9	4.3	18.7	9.1	18.2	6.0	15.8	25
PZA 10	10	17.5	50.5	48.2	4.3	19.6	10.2	20.3	7.4	20.8	25
PZA 12	12	20.5	57.2	54.8	4.3	21.9	11.9	23.7	9.0	33.4	20

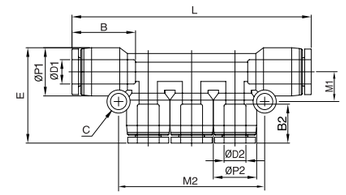


INCH

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PZA5/32	5/32	10.5	37.9	36.6	3.3	16.3	6.4	12.8	2.6	8.2	50
PZA3/16	3/16	11.5	39.2	39.2	3.3	16.8	7.5	15.0	3.5	7.8	50
PZA1/4	1/4	13.0	42.6	42.6	3.3	17.4	8.3	16.5	5.0	10.8	50
PZA5/16	5/16	14.5	46.8	44.9	4.3	18.7	9.1	18.2	6.0	15.8	25
PZA3/8	3/8	17.5	50.5	48.2	4.3	20.2	10.2	20.3	7.0	26.8	25
PZA1/2	1/2	21.0	60.5	60.5	4.3	22.0	12.8	25.5	9.0	37.0	20

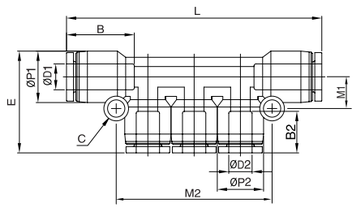


PKG



METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PKG 06-04	6	4	12.5	10.5	63.7	24.2	3.3	17.6	16.3	7.6	34.0	3.0	12.8	25
PKG 08-04	8	4	14.8	10.5	65.7	28.5	4.3	18.7	16.3	9.2	34.8	3.0	14.8	25
PKG 08-06	8	6	14.8	12.5	71.7	30.0	4.3	18.7	17.6	9.3	41.1	4.0	17.5	25
PKG 10-06	10	6	17.5	12.5	78.1	32.0	4.3	19.6	17.6	9.5	41.7	4.0	22.5	20
PKG 10-08	10	8	17.5	14.8	83.4	34.5	4.3	19.6	18.7	8.5	47.0	6.5	26.5	20



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PKG 3/16-5/32	3/16	5/32	11.5	10.5	60.5	26.3	4.5	16.8	16.3	7.6	34.0	3.2	24.1	25
PKG 1/4-5/32	1/4	5/32	13.0	10.5	61.6	26.6	4.5	17.4	16.3	8.8	36.0	3.2	24.1	25
PKG 5/16-5/32	5/16	5/32	14.5	10.5	65.6	28.2	4.3	18.7	16.3	9.2	34.8	3.2	49.1	25
PKG 5/16-3/16		3/16		11.5	68.7	28.9	4.5		16.8	9.3	41.1	4.0	48.8	25
PKG 5/16-1/4		1/4		13.0	71.9	30.0	4.5		17.4	9.7	43.5	5.0	48.8	25
PKG 3/8-1/4	3/8	1/4	17.5	13.0	74.2	32.2	4.5	20.2	17.4	11.0	43.5	5.0	53.3	20
PKG 3/8-5/16		5/16		14.5	83.6	34.5	4.3		18.7	8.5	47.0	6.6	53.3	20

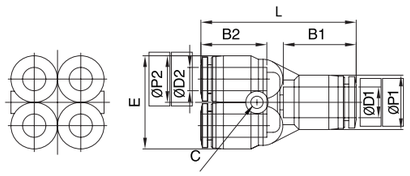
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

One -Touch Fittings

PXG

METRIC

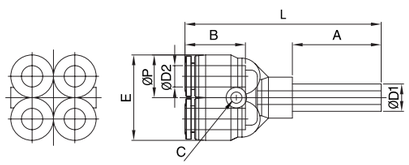
MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	ORFICE	WEIGHT(g)	BOX(EA)
PXG 0604	6	4	12.5	10.5	37.2	21.0	3.3	17.0	15.7	2.0	12.8	25
PXG 0806	8	6	14.6	12.5	40.6	25.0	3.3	19.1	17.0	3.5	17.5	25



PXJ

METRIC

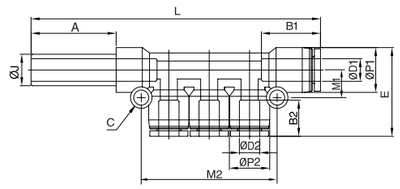
MODEL	ØD1	ØD2	ØP	L	E	C	A	B	ORFICE	WEIGHT(g)	BOX(EA)
PXJ 0604	6	4	12.5	43.6	21.0	3.3	17.0	15.7	2.0	12.8	25
PXJ 0806	8	6	14.6	48.0	25.0	3.3	19.1	17.0	3.5	17.5	25



PKJ

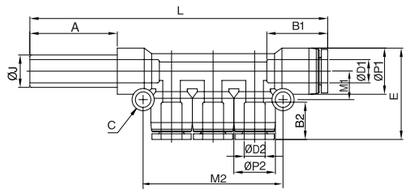
METRIC

MODEL	ØD1	ØD2	ØJ	ØP1	ØP2	L	E	C	A	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PKJ 06-04	6	4	6	12.5	10.5	84.3	24.2	3.3	25.0	17.6	16.3	7.6	34.0	3.0	14.1	25
PKJ 08-04	8	4	8	14.8	10.5	89.5	28.5	4.3	28.5	18.7	16.3	9.2	34.8	3.0	16.1	25
PKJ 08-06	8	6	8	14.8	12.5	95.5	34.0	4.3	28.5	18.7	17.6	9.3	41.1	4.0	17.8	25
PKJ 10-06	10	6	10	17.5	12.5	103.2	31.3	4.3	31.0	19.6	17.6	9.5	41.7	4.0	23.5	20
PKJ 10-08	10	8	10	17.5	14.8	109.7	34.5	4.3	31.0	19.6	18.7	8.5	47.0	6.5	28.3	15



INCH

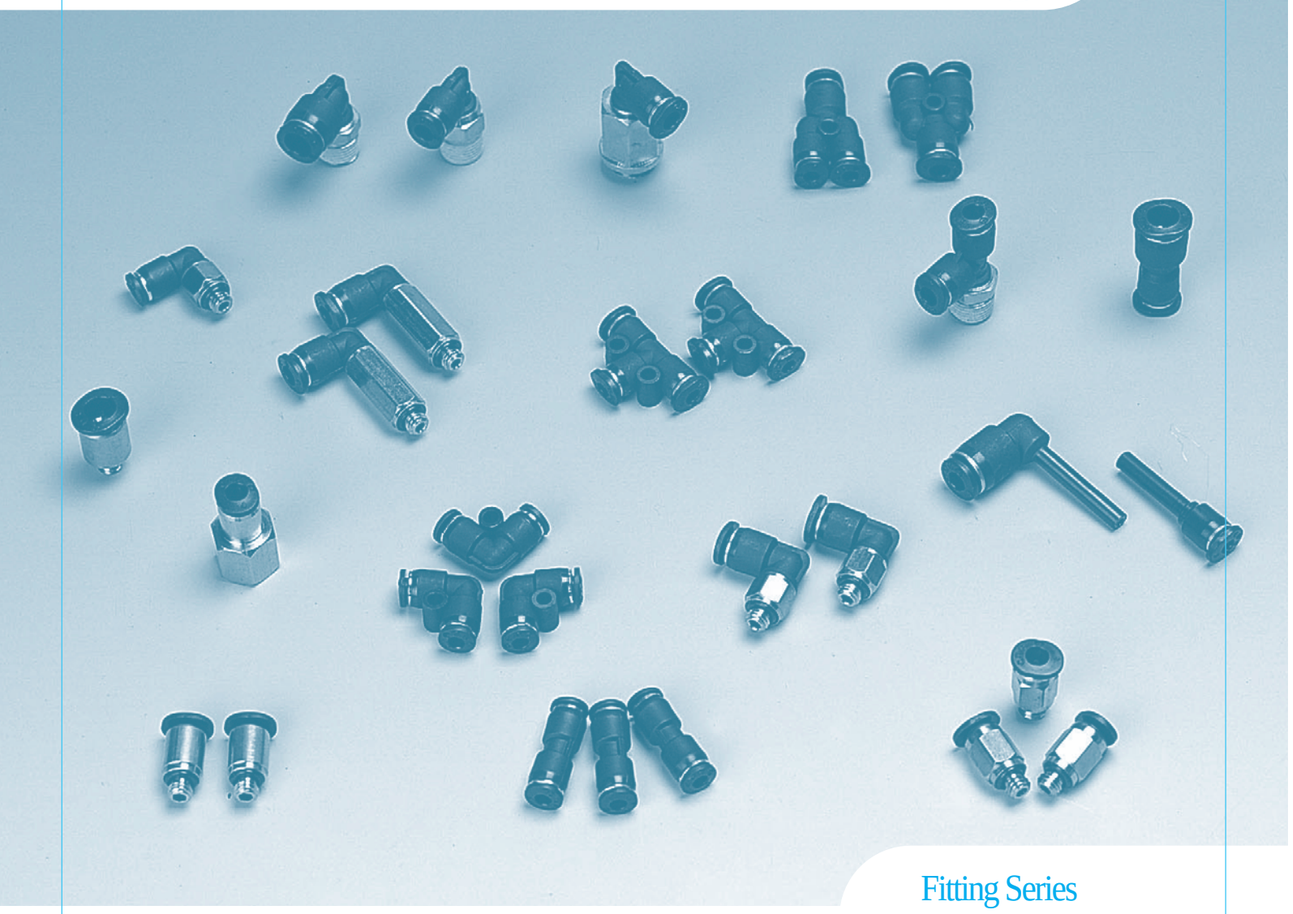
MODEL	ØD1	ØD2	ØJ	ØP1	ØP2	L	E	C	A	B1	B2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA)
PKJ 3/16-5/32	3/16	5/32	3/16	11.5	10.5	82.4	25.8	4.5	24.0	16.8	16.3	7.6	34.0	2.6	24.1	25
PKJ 1/4-5/32	1/4	5/32	1/4	13.0	10.5	84.3	26.6	4.5	25.0	17.4	16.3	8.8	36.0	3.2	24.1	25
PKJ 5/16-5/32		5/32			10.5	89.5	28.5	4.3			16.3	9.2	34.8	3.2	37.1	25
PKJ 5/16-3/16	5/16	3/16	5/16	14.5	11.5	91.9	29.0	4.5	26.0	18.7	16.8	9.3	41.1	4.0	36.8	25
PKJ 5/16-1/4		1/4			13.0	91.0	30.0	4.5			17.4	9.7	43.5	5.0	36.8	25
PKJ 3/8-1/4	3/8	1/4	3/8	17.5	13.0	99.7	32.2	4.5	28.0	20.2	17.4	11.0	43.5	5.0	48.3	20
PKJ 3/8-5/16		5/16			14.5	109.7	34.5	4.3			18.7	8.5	47.0	6.6	48.3	20



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

FAMCO
هایپرصنعت

Compact One-Touch Fittings



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings

METRIC - BSPT(R)

METRIC - BSPP(G)

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One-Touch Fittings

Applications

- Mini one touch type pipe connection tool for air pressure piping in limited spaces.
- Various uses according to the user's environment.

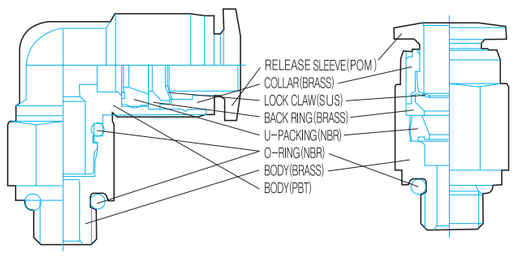
Features

- One action can insert the tube to easy connection and release.
- Volume and OD are smaller than the regular type, but same flux is obtained.
- Treated with electroless nickel coating on the surface for excellent tolerance to corrosion.
- Oval sleeve is designed to allow easy release in the limited space.
- The screw section has O-ring, or Teflon coated.
- Miniaturized fitting for small devices and piping in limited spaces.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure : 0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
- Negative pressure : -29.5 in Hg / -750mmHg(-750Torr)
- Working temperature : 32~140° F / 0~60°C
- Applicable Tube: Polyurethane and Nylon

Structural Diagram



Applied example

- All Compact Fitting products are treated with electroless nickel coating on the brass body for excellent tolerance to corrosion.
- The sleeve is oval so that connection and release are easy.

POC Models
- A hexagonal shape is processed at the interior for joining with a hexagonal wrench.
- The exterior of the POC is circular so that no other tools can be used for connection.

PL, PLL Models
- The plastic main body rotates to allow efficient piping.

⚠ CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.

⚠ WARNING

- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage may occur.

Product Code System

METRIC - BSPT(R)

PC 06-01-C

- Compact OneTouch Fitting
- Tube Dia

CODE	SIZE
03	Ø3
04	Ø4
06	Ø6

- Thread Size

METRIC THREAD	
CODE	SIZE
M3	M3×0.5
M5	M5×0.8
M6	M6×1.0
R(PT) THREAD	
CODE	SIZE
01	R1/8

- Compact: Nickel
- Sleeve Color: Black

METRIC - BSPP(G)

PC 06-G01-C

- Compact OneTouch Fitting
- Tube Dia

CODE	SIZE
04	Ø4
06	Ø6

- Thread Size

G(PF) THREAD	
CODE	SIZE
G01	G1/8

- Sleeve Color: Black

METRIC - BSPT(R)

PC 1/4-01-C

- Compact OneTouch Fitting
- Tube Dia

CODE	SIZE
1/8	Ø1/8
5/32	Ø5/32
1/4	Ø1/4

- Thread Size

METRIC THREAD	
CODE	SIZE
M3	M3×0.5
M5	M5×0.8
M6	M6×1.0
R(PT) THREAD	
CODE	SIZE
01	R1/8

- Compact: Nickel
- Sleeve Color: Black

INCH - NPT

PC 1/4-N1-C

- Compact OneTouch Fitting
- Tube Dia

CODE	SIZE
1/8	Ø1/8
5/32	Ø5/32
1/4	Ø1/4

- Thread Size

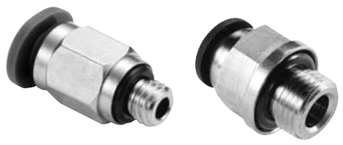
UNF THREAD	
CODE	SIZE
U	10-32UNF
NPT THREAD	
CODE	SIZE
N0	NPT1/16
N1	NPT1/8

- Sleeve Color: Black

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

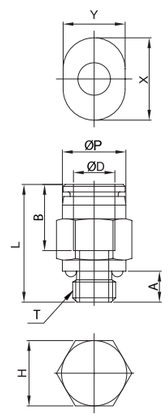
Compact One -Touch Fittings

PC-C



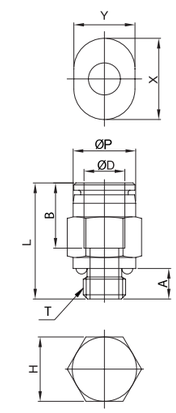
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PC 03-M3C	3	7.0	M3×0.5p	17.1	4.0	11.1	7	9.2	7.2	1.5	1.0	100
PC 03-M5C		7.2	M5×0.8p	17.7	4.6	11.1	8			2.0	3.0	100
PC 03-M6C		7.2	M6×1.0p	18.2	5.1	11.1	8			2.0	3.0	100
PC 03-01C		7.2	R1/8	14.5	8.0	11.3	10			2.0	4.0	100
PC 04-M3C	4	8.0	M3×0.5p	17.7	4.0	11.6	8	10.4	8.2	1.5	3.0	100
PC 04-M5C		8.0	M5×0.8p	18.2	4.6	11.6	8			2.4	3.0	100
PC 04-M6C		8.0	M6×1.0p	18.8	5.1	11.6	8			3.0	3.0	100
PC 04-01C		10.0	R1/8	17.3	8.0	11.6	10			3.0	6.0	100
PC 06-M5C	6	10.0	M5×0.8p	19.4	4.6	12.8	10	12.4	10.2	2.4	4.0	100
PC 06-M6C		10.0	M6×1.0p	19.9	5.1	12.8	10			2.4	4.0	100
PC 06-01C		10.0	R1/8	19.6	8.0	12.8	10			5.0	6.0	100



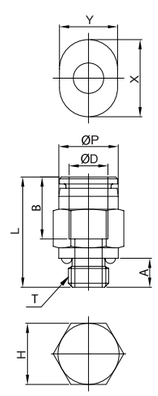
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PC 1/8-UC	1/8	7.2	UNF10/32	17.7	4.6	11.1	5/16	9.2	7.2	2.0	2.0	100
PC 1/8-N0C		7.2	NPT1/16	16.5	8.0	11.1	5/16			2.5	4.0	100
PC 1/8-N1C		7.2	NPT1/8	17.5	8.5	11.1	7/16			2.0	6.0	100
PC 1/8-N2C		7.2	NPT1/4	21.5	10.5	11.3	9/16			2.5	15.0	100
PC 5/32-UC	5/32	8.0	UNF10/32	18.2	4.6	11.6	5/16	10.4	8.2	2.5	3.0	100
PC 5/32-N0C		8.0	NPT1/16	18.0	8.0	11.6	5/16			3.0	5.0	100
PC 5/32-N1C		8.5	NPT1/8	18.5	8.5	11.6	7/16			3.0	9.0	100
PC 1/4-UC	1/4	10.5	UNF10/32	19.3	4.6	13.0	7/16	12.8	10.8	2.4	10.0	100
PC 1/4-N0C		10.5	NPT1/16	22.0	8.0	13.0	7/16			4.0	15.0	100
PC 1/4-N1C		10.5	NPT1/8	19.5	8.5	13.0	7/16			5.0	18.0	100



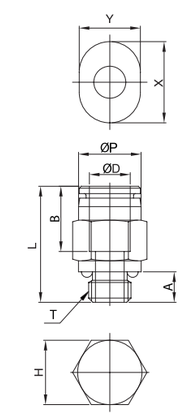
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PC 04-G01C	4	8.3	G1/8	18.8	6.0	11.6	12	10.4	8.2	3.0	5.0	100
PC 06-G01C	6	10.4	G1/8	19.4	6.0	12.8	12	12.4	10.2	5.0	5.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PC 1/8-M3C	1/8	7.2	M3×0.5p	17.1	3.5	11.1	7	9.2	7.2	1.5	1.0	100
PC 1/8-M5C		7.2	M5×0.8p	17.7	4.1	11.1	8			2.0	3.0	100
PC 1/8-M6C		7.2	M6×1.0p	18.2	4.6	11.1	8			2.0	3.0	100
PC 1/8-01C		7.2	R1/8	14.5	8.0	11.3	10			2.0	4.0	100
PC 5/32-M3C	5/32	8.0	M3×0.5p	17.7	3.5	11.6	8	10.4	8.2	1.5	3.0	100
PC 5/32-M5C		8.0	M5×0.8p	18.2	4.1	11.6	8			2.4	3.0	100
PC 5/32-M6C		8.0	M6×1.0p	18.8	4.6	11.6	8			3.0	3.0	100
PC 5/32-01C		10.0	R1/8	17.3	8.0	11.6	10			3.0	6.0	100
PC 1/4-M5C	1/4	10.5	M5×0.8p	19.4	4.1	13.0	11	12.8	10.8	2.4	10.0	100
PC 1/4-M6C		10.5	M6×1.0p	19.9	4.6	13.0	11			4.0	15.0	100
PC 1/4-01C		10.5	R1/8	19.6	8.0	13.0	11			5.0	18.0	100



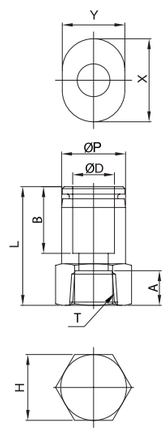
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One -Touch Fittings

PCF-C

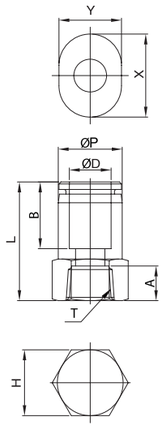
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PCF 03-M3C	3	7.5	M3×0.5p	17.3	4.0	11.1	8	9.2	7.2	2.5	4.0	100
PCF 03-M5C			M5×0.8p	18.8	6.0		8			2.5	4.0	100
PCF 03-M6C			M6×1.0p	18.8	6.0		8			2.5	5.0	100
PCF 04-M3C	4	8.0	M3×0.5p	18.2	4.0	11.6	8	10.4	8.2	2.5	4.0	100
PCF 04-M5C			M5×0.8p	19.7	6.0		8			3.0	4.0	100
PCF 04-M6C			M6×1.0p	19.7	6.0		8			3.0	5.0	100
PCF 04-01C			R1/8	23.2	8.5		12			3.0	7.0	100
PCF 06-M5C	6	10.0	M5×0.8p	21.4	6.0	12.8	10	12.4	10.2	4.0	5.0	100
PCF 06-M6C			M6×1.0p	21.4	6.0		10			4.0	5.0	100
PCF 06-01C			R1/8	25.4	8.5		12			4.0	7.0	100



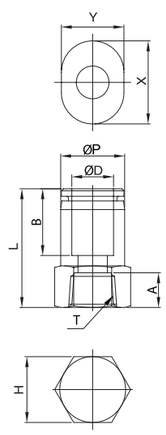
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PCF 1/8-UC	1/8	7.5	UNF10/32	18.8	6.0	11.1	5/16	9.2	7.2	2.5	2.0	100
PCF 1/8-N0C		7.5	NPT1/16	20.5	8.0	11.1	13/32			2.5	3.0	100
PCF 1/8-N1C		7.5	NPT1/8	22.5	8.5	11.3	7/16			2.5	3.0	100
PCF1/8-N2C		7.5	NPT1/4	25.3	10.5	11.3	11/16			2.5	7.0	100
PCF 5/32-UC	5/32	8.0	UNF10/32	19.7	6.0	11.6	5/16	10.4	8.2	3.0	5.0	100
PCF 5/32-N0C		8.5	NPT1/16	21.7	8.0	11.6	13/32			3.0	6.0	100
PCF 5/32-N1C		8.5	NPT1/8	22.9	8.5	11.8	7/16			3.0	6.0	100
PCF1/4-UC	1/4	10.5	UNF10/32	20.5	6.0	13.0	7/16	12.8	10.8	2.5	6.0	100
PCF 1/4-N0C		10.5	NPT1/16	22.5	8.0	13.0	7/16			5.0	7.0	100
PCF 1/4-N1C		10.5	NPT1/8	23.8	8.5	13.0	7/16			5.0	8.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PCF 1/8-M3C	1/8	7.5	M3×0.5p	17.3	4.0	11.1	8	9.2	7.2	2.5	4.0	100
PCF 1/8-M5C			M5×0.8p	18.8	6.0	11.1	8			2.5	4.0	100
PCF 1/8-M6C			M6×1.0p	18.8	6.0	11.3	8			2.5	5.0	100
PCF 1/8-01C			Rc1/8	22.5	8.5	11.3	12			2.5	3.0	100
PCF 5/32-M3C	5/32	8.0	M3×0.5p	18.2	4.0	11.6	8	10.4	8.2	2.5	4.0	100
PCF 5/32-M5C			M5×0.8p	19.7	6.0	11.6	8			3.0	4.0	100
PCF 5/32-M6C			M6×1.0p	19.7	6.0	11.8	8			3.0	5.0	100
PCF 5/32-01C			Rc1/8	23.2	8.5	11.8	12			3.0	7.0	100
PCF 1/4-M5C	1/4	10.5	M5×0.8p	20.5	6.0	13.0	11	12.8	10.8	2.5	6.0	100
PCF 1/4-M6C			M6×1.0p	22.5	6.0	13.0	11			5.0	7.0	100
PCF 1/4-01C			Rc1/8	23.8	8.5	13.0	11			5.0	8.0	100



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E-mail: info@famcocorp.com
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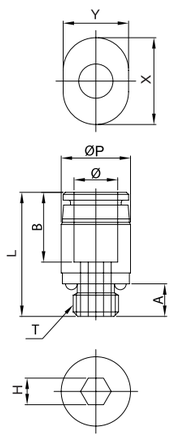
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One -Touch Fittings

POC-C

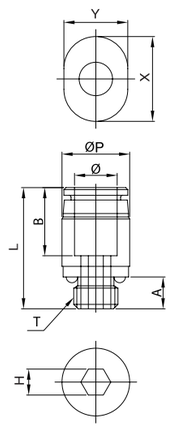
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
POC 03-M3C	3	7.0	M3×0.5p	17.1	4.0	11.1	1.5	9.2	7.2	1.5	2.0	100
POC 03-M5C		7.0	M5×0.8p	17.7	4.6		2.0			2.0	4.0	100
POC 03-M6C		8.0	M6×1.0p	18.2	5.1		2.0			2.0	4.0	100
POC 04-M3C	4	8.0	M3×0.5p	17.7	4.0	11.6	1.5	10.4	8.2	1.5	3.0	100
POC 04-M5C		8.0	M5×0.8p	18.2	4.6		2.5			2.5	4.0	100
POC 04-M6C		8.0	M6×1.0p	18.8	5.1		3.0			3.0	4.0	100
POC 04-01C		10.0	R1/8	17.3	8.0		3.0			3.0	6.0	100
POC 06-M5C	6	10.0	M5×0.8p	19.4	4.6	12.8	2.5	12.4	10.2	2.5	4.0	100
POC 06-M6C		10.0	M6×1.0p	19.9	5.1		3.0			3.0	4.0	100
POC 06-01C		10.0	R1/8	19.6	8.0		4.0			4.0	5.0	100



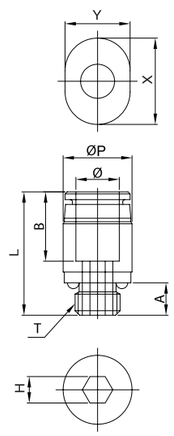
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
POC1/8-UC	1/8	7.0	UNF10/32	17.7	4.6	11.1	3/32	9.2	7.2	2.4	2.0	100
POC1/8-N0C		8.0	NPT1/16	18.0	8.0		3/32			2.4	5.0	100
POC1/8-N1C		11.0	NPT1/8	16.3	8.5		3/32			2.4	6.0	100
POC5/32-UC	5/32	8.0	UNF10/32	18.2	4.6	11.6	3/32	10.4	8.2	2.4	3.0	100
POC5/32-N0C		8.0	NPT1/16	19.0	8.0		3/32			2.4	4.0	100
POC5/32-N1C		11.0	NPT1/8	16.3	8.5		3/32			2.4	9.0	100
POC1/4-UC	1/4	10.5	UNF10/32	19.3	4.6	13.0	3/32	12.8	10.8	2.4	12.0	100
POC1/4-N0C		10.5	NPT1/16	22.0	8.0		5/32			4.0	16.0	100
POC1/4-N1C		10.5	NPT1/8	19.5	8.5		5/32			4.0	18.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
POC 1/8-M3C	1/8	7.0	M3×0.5p	17.1	3.5	11.1	1.5	9.2	7.2	1.5	2.0	100
POC 1/8-M5C		7.0	M5×0.8p	17.7	4.1		2.0			2.0	4.0	100
POC 1/8-M6C		8.0	M6×1.0p	18.2	4.6		2.0			2.0	4.0	100
POC 1/8-01C		10.0	R1/8	15.8	8.0		2.0			2.4	6.0	100
POC 5/32-M3C	5/32	8.0	M3×0.5p	17.7	3.5	11.6	1.5	10.4	8.2	1.5	3.0	100
POC 5/32-M5C		8.0	M5×0.8p	18.2	4.1		2.5			2.5	4.0	100
POC 5/32-M6C		8.0	M6×1.0p	18.8	4.6		3.0			3.0	4.0	100
POC 5/32-01C		10.0	R1/8	17.3	8.0		3.0			3.0	6.0	100
POC 1/4-M5C	1/4	10.5	M5×0.8p	19.3	4.1	13.0	2.5	12.8	10.8	2.4	12.0	100
POC 1/4-M6C		10.5	M6×1.0p	22.0	4.6		3.0			4.0	16.0	100
POC 1/4-01C		10.5	R1/8	19.5	8.0		4.0			4.0	18.0	100



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E-mail: info@famcocorp.com
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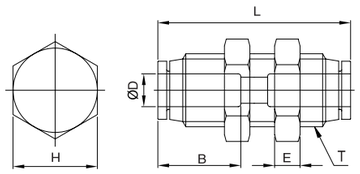
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One -Touch Fittings

PMM-C

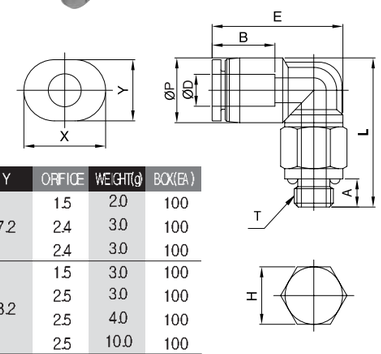
METRIC-BSPT(R)

MODEL	ØD	T	L	E	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMM-03C	3	M8×0.75p	23.6	2	11.3	10	2.0	8.0	100
PMM-04C	4	M10×1.0p	24.5	3.5	11.8	12	3.0	10.2	100
PMM-06C	6	M12×1.0p	27.3	4	12.9	14	5.0	14.2	100



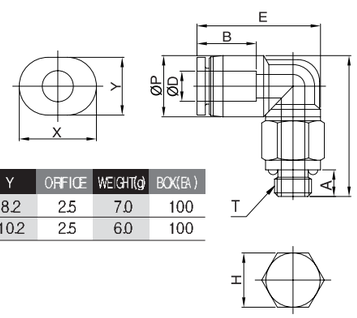
Compact One -Touch Fittings

PL-C



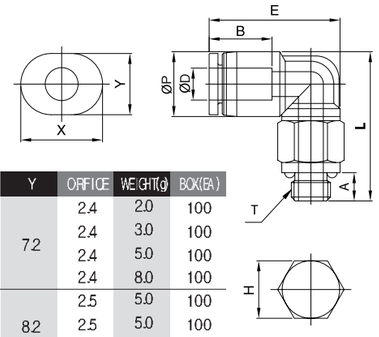
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PL03-M3C	3	7.6	M3×0.5p	18.5	17.2	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PL03-M5C			M5×0.8p	19.1		3.6		8			2.4	3.0	100
PL03-M6C			M6×1.0p	19.6		4.1		8			2.4	3.0	100
PL04-M3C	4	8.7	M3×0.5p	19.6	18.2	3.0	11.6	8	10.4	8.2	1.5	3.0	100
PL04-M5C			M5×0.8p	20.2		3.6		8			2.5	3.0	100
PL04-M6C			M6×1.0p	20.7		4.1		8			2.5	4.0	100
PL04-01C			R1/8	20.7		8.0		10			2.5	10.0	100
PL06-M5C	6	10.8	M5×0.8p	22.3	19.4	3.6	12.8	8	12.4	10.2	2.5	4.0	100
PL06-M6C			M6×1.0p	22.8		4.1		8			2.5	4.0	100
PL06-01C			R1/8	22.8		8.0		10			2.5	7.0	100



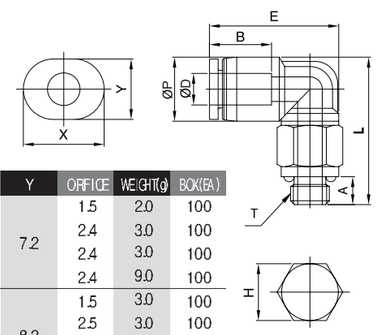
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PL04-G01C	4	8.7	G1/8	18.7	18.2	4.5	11.6	14	10.4	8.2	2.5	7.0	100
PL06-G01C	6	10.8	G1/8	20.8	19.4	4.5	12.8	14	12.4	10.2	2.5	6.0	100



INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PL1/8-UC	1/8	7.6	UNF10/32	19.1	17.2	3.6	11.1	5/16	9.2	7.2	2.4	2.0	100
PL1/8-N0C			NPT1/16	19.6		8.0		5/16			2.4	3.0	100
PL1/8-N1C			NPT1/8	19.6		8.5		7/16			2.4	5.0	100
PL1/8-N2C			NPT1/4	22.1		10.5		9/16			2.4	8.0	100
PL5/32-UC	5/32	8.7	UNF10/32	20.2	18.2	3.6	11.6	5/16	10.4	8.2	2.5	5.0	100
PL5/32-N0C			NPT1/16	20.7		8.0		5/16			2.5	5.0	100
PL5/32-N1C			NPT1/8	20.7		8.5		7/16			2.5	6.0	100
PL1/4-UC	1/4	11.3	UNF10/32	22.8	19.4	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PL1/4-N0C			NPT1/16	23.3		8.0		5/16			3.5	12.0	100
PL1/4-N1C			NPT1/8	23.3		8.5		7/16			3.5	16.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PL1/8-M3C	1/8	7.6	M3×0.5p	18.5	17.2	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PL1/8-M5C			M5×0.8p	19.1		3.6		8			2.4	3.0	100
PL1/8-M6C			M6×1.0p	19.6		4.1		8			2.4	3.0	100
PL1/8-01C			R1/8	19.6		8.0		10			2.4	9.0	100
PL5/32-M3C	5/32	8.7	M3×0.5p	19.6	18.2	3.0	11.6	8	10.4	8.2	1.5	3.0	100
PL5/32-M5C			M5×0.8p	20.2		3.6		8			2.5	3.0	100
PL5/32-M6C			M6×1.0p	20.7		4.1		8			2.5	4.0	100
PL5/32-01C			R1/8	20.7		8.0		10			2.5	10.0	100
PL1/4-M5C	1/4	11.3	M5×0.8p	22.8	19.4	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PL1/4-M6C			M6×1.0p	23.3		4.1		8			3.5	12.0	100
PL1/4-01C			R1/8	23.3		8.0		10			3.5	16.0	100

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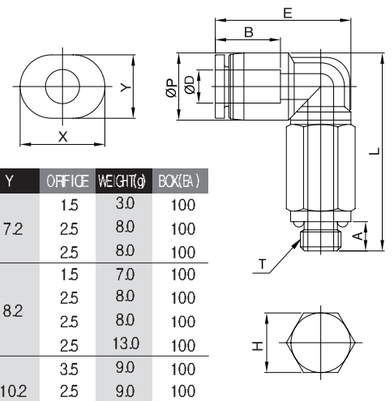
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

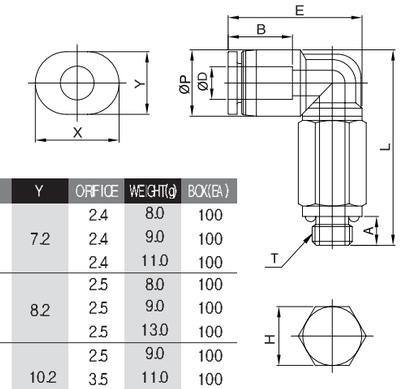
Compact One -Touch Fittings

PLL-C



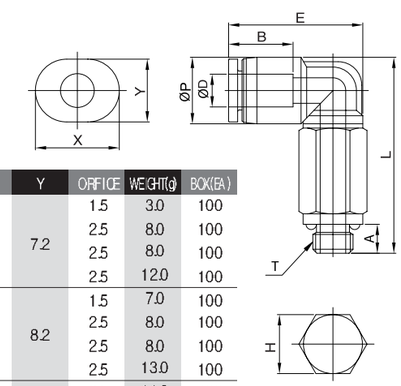
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PLL03-M3C	3	7.6	M3×0.5p	25.6	17.5	3.0	11.3	8	9.2	7.2	1.5	3.0	100
PLL03-M5C			M5×0.8p	27.7		3.6		8			2.5	8.0	100
PLL03-M6C			M6×1.0p	28.2		4.1		8			2.5	8.0	100
PLL04-M3C	4	8.7	M3×0.5p	29.2	18.5	3.0	11.8	8	10.4	8.2	1.5	7.0	100
PLL04-M5C			M5×0.8p	29.8		3.6		8			2.5	8.0	100
PLL04-M6C			M6×1.0p	30.3		4.1		8			2.5	8.0	100
PLL04-01C			R1/8	33.7		8.0		10			2.5	13.0	100
PLL06-M5C	6	10.8	M5×0.8p	33.8	19.6	3.6	12.9	8	12.4	10.2	3.5	9.0	100
PLL06-M6C			M6×1.0p	34.3		4.1		8			2.5	9.0	100
PLL06-01C			R1/8	37.8		8.0		10			3.5	14.0	100



INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PLL 1/8-UC	1/8	7.6	UNF10/32	27.7	17.5	3.6	11.3	5/16	9.2	7.2	2.4	8.0	100
PLL 1/8-N0C			NPT1/16	28.2		8.0		5/16			2.4	9.0	100
PLL 1/8-N1C			NPT1/8	28.2		8.5		7/16			2.4	11.0	100
PLL 5/32-UC	5/32	8.7	UNF10/32	29.8	18.5	3.6	11.8	5/16	10.4	8.2	2.5	8.0	100
PLL 5/32-N0C			NPT1/16	33.7		8.0		5/16			2.5	9.0	100
PLL 5/32-N1C			NPT1/8	33.7		8.5		7/16			2.5	13.0	100
PLL 1/4-UC	1/4	10.8	UNF10/32	34.3	19.6	3.6	12.9	5/16	12.4	10.2	2.5	9.0	100
PLL 1/4-N0C			NPT1/16	38.3		8.0		5/16			3.5	11.0	100
PLL 1/4-N1C			NPT1/8	38.3		8.5		7/16			3.5	14.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PLL 1/8-M3C	1/8	7.6	M3×0.5p	25.6	17.5	3.0	11.3	8	9.2	7.2	1.5	3.0	100
PLL 1/8-M5C			M5×0.8p	27.7		3.6		8			2.5	8.0	100
PLL 1/8-M6C			M6×1.0p	28.2		4.1		8			2.5	8.0	100
PLL 1/8-01C			R1/8	28.2		8.0		10			2.5	12.0	100
PLL 5/32-M3C	5/32	8.7	M3×0.5p	29.2	18.5	3.0	11.8	8	10.4	8.2	1.5	7.0	100
PLL 5/32-M5C			M5×0.8p	29.8		3.6		8			2.5	8.0	100
PLL 5/32-M6C			M6×1.0p	30.3		4.1		8			2.5	8.0	100
PLL 5/32-01C			R1/8	33.7		8.0		10			2.5	13.0	100
PLL 1/4-M5C	1/4	11.3	M5×0.8p	34.3	19.4	3.6	13.5	8	12.8	10.8	2.5	11.0	100
PLL 1/4-M6C			M6×1.0p	38.3		4.1		8			3.5	14.0	100
PLL 1/4-01C			R1/8	38.3		8.0		10			3.5	18.0	100

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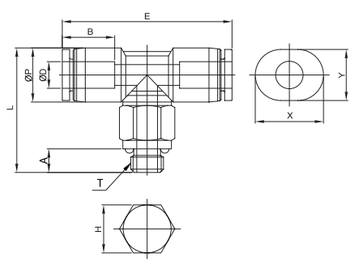
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One -Touch Fittings

PT-C

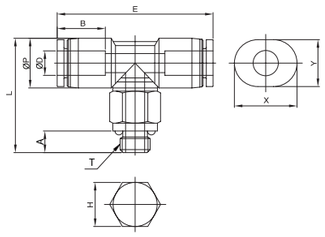
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PT 03-M3C	3	7.6	M3×0.5p	18.5	26.6	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PT 03-M5C			M5×0.8p	19.1		3.6		8			2.4	3.0	100
PT 03-M6C			M6×1.0p	19.6		4.1		8			2.4	4.0	100
PT 04-M3C	4	8.7	M3×0.5p	19.6	28.6	3.0	11.6	8	10.4	8.2	1.5	4.0	100
PT 04-M5C			M5×0.8p	20.2		3.6		8			2.5	4.0	100
PT 04-M6C			M6×1.0p	20.7		4.1		8			3.0	5.0	100
PT 04-01C			R1/8	20.7		8.0		10			3.0	7.0	100
PT 06-M5C	6	10.8	M5×0.8p	22.3	31.0	3.6	12.8	8	12.4	10.2	2.5	6.0	100
PT 06-M6C			M6×1.0p	22.8		4.1		8			3.0	6.0	100
PT 06-01C			R1/8	22.8		8.0		10			3.0	8.0	100



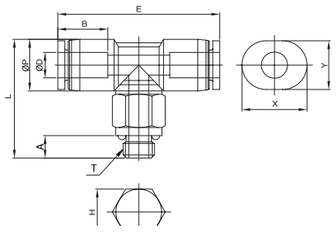
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PT 1/8-UC	1/8	7.6	UNF10/32	19.1	26.6	3.6	11.1	5/16	9.2	7.2	2.4	2.0	100
PT 1/8-N0C			NPT1/16	19.6		8.0		5/16			2.4	3.0	100
PT 1/8-N1C			NPT1/8	19.6		8.5		7/16			2.4	5.0	100
PT 5/32-UC	5/32	8.7	UNF10/32	20.2	28.6	3.6	11.6	5/16	10.4	8.2	2.5	5.0	100
PT 5/32-N0C			NPT1/16	20.7		8.0		5/16			3.0	5.0	100
PT 5/32-N1C			NPT1/8	20.7		8.5		7/16			3.0	6.0	100
PT 1/4-UC	1/4	11.3	UNF10/32	22.8	32.3	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PT 1/4-N0C			NPT1/16	23.3		8.0		5/16			3.5	12.0	100
PT 1/4-N1C			NPT1/8	23.3		8.5		7/16			3.5	16.0	100



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PT 1/8-M3C	1/8	7.6	M3×0.5p	18.5	26.6	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PT 1/8-M5C			M5×0.8p	19.1		3.6		8			2.4	3.0	100
PT 1/8-M6C			M6×1.0p	19.6		4.1		8			2.4	4.0	100
PT 1/8-01C			R1/8	19.6		8.0		10			2.4	6.0	100
PT 5/32-M3C	5/32	8.7	M3×0.5p	19.6	28.6	3.0	11.6	8	10.4	8.2	1.5	4.0	100
PT 5/32-M5C			M5×0.8p	20.2		3.6		8			2.5	4.0	100
PT 5/32-M6C			M6×1.0p	20.7		4.1		8			3.0	5.0	100
PT 5/32-01C			R1/8	20.7		8.0		10			3.0	7.0	100
PT 1/4-M5C	1/4	11.3	M5×0.8p	22.8	32.3	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PT 1/4-M6C			M6×1.0p	23.3		4.1		8			3.5	12.0	100
PT 1/4-01C			R1/8	23.3		8.0		10			3.5	16.0	100



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E-mail: info@famcocorp.com
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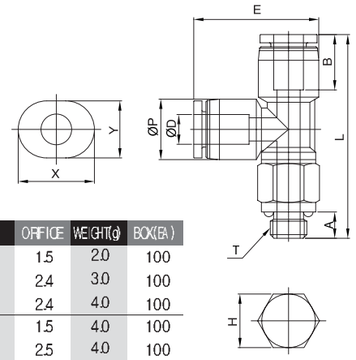
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

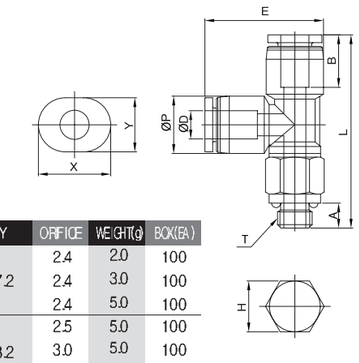
Compact One -Touch Fittings

PST-C



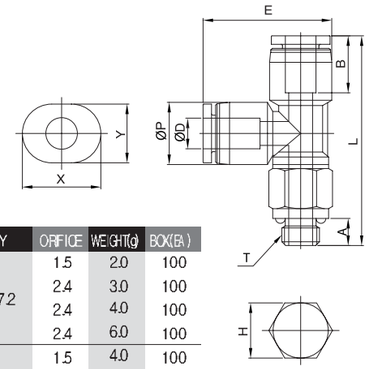
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PST 03-M3C	3	7.6	M3×0.5p	28.3	13.3	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PST 03-M5C			M5×0.8p	28.9		3.6		8			2.4	3.0	100
PST 03-M6C			M6×1.0p	29.4		4.1		8			2.4	4.0	100
PST 04-M3C	4	8.7	M3×0.5p	29.8	14.2	3.0	11.6	8	10.4	8.2	1.5	4.0	100
PST 04-M5C			M5×0.8p	30.4		3.6		8			2.5	4.0	100
PST 04-M6C			M6×1.0p	30.9		4.1		8			3.0	5.0	100
PST 04-01C			R1/8	30.9		8.0		10			3.0	7.0	100
PST 06-M5C	6	10.8	M5×0.8p	33.5	16.5	3.6	12.8	8	12.4	10.2	2.5	6.0	100
PST 06-M6C			M6×1.0p	34.0		4.1		8			3.0	6.0	100
PST 06-01C			R1/8	34.0		8.0		10			3.0	8.0	100



INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PST 1/8-UC	1/8	7.6	UNF10/32	28.9	13.3	3.6	11.1	5/16	9.2	7.2	2.4	2.0	100
PST 1/8-N0C			NPT1/16	29.4		8.0		5/16			2.4	3.0	100
PST 1/8-N1C			NPT1/8	29.4		8.5		7/16			2.4	5.0	100
PST 5/32-UC	5/32	8.7	UNF10/32	30.4	14.2	3.6	11.6	5/16	10.4	8.2	2.5	5.0	100
PST 5/32-N0C			NPT1/16	30.9		8.0		5/16			3.0	5.0	100
PST 5/32-N1C			NPT1/8	30.9		8.5		7/16			3.0	6.0	100
PST 1/4-UC	1/4	11.8	UNF10/32	34.7	17.6	3.6	13.5	5/16	12.8	10.8	2.5	10.0	100
PST 1/4-N0C			NPT1/16	35.2		8.0		5/16			4.0	12.0	100
PST 1/4-N1C			NPT1/8	35.2		8.5		7/16			3.5	16.0	100



INCH-BSPT(R)

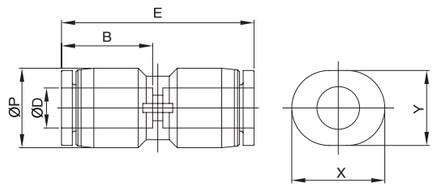
MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PST 1/8-M3C	1/8	7.6	M3×0.5p	28.3	13.3	3.0	11.1	8	9.2	7.2	1.5	2.0	100
PST 1/8-M5C			M5×0.8p	28.9		3.6		8			2.4	3.0	100
PST 1/8-M6C			M6×1.0p	29.4		4.1		8			2.4	4.0	100
PST 1/8-01C			R1/8	29.4		8.0		10			2.4	6.0	100
PST 5/32-M3C	5/32	8.7	M3×0.5p	29.8	14.2	3.0	11.6	8	10.4	8.2	1.5	4.0	100
PST 5/32-M5C			M5×0.8p	30.4		3.6		8			2.5	4.0	100
PST 5/32-M6C			M6×1.0p	30.9		4.1		8			3.0	5.0	100
PST 5/32-01C			R1/8	30.9		8.0		10			3.0	7.0	100
PST 1/4-M5C	1/4	11.8	M5×0.8p	34.7	17.6	3.6	13.5	8	12.8	10.8	2.5	10.0	100
PST 1/4-M6C			M6×1.0p	35.2		4.1		8			4.0	12.0	100
PST 1/4-01C			R1/8	35.2		8.0		10			3.5	16.0	100

Compact One -Touch Fittings

PUC-C

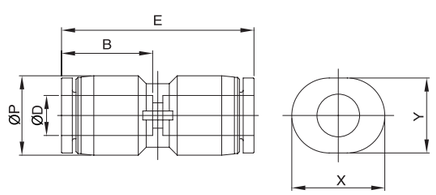
METRIC

MODEL	ØD	ØP	E	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUC 03C	3	7.6	23.2	11.1	9.2	7.2	2.4	1.0	100
PUC 04C	4	8.5	24.5	11.6	10.4	8.2	3.0	2.0	100
PUC 06C	6	10.7	26.6	12.8	12.4	10.2	4.0	3.0	100



INCH

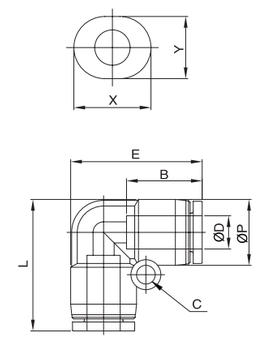
MODEL	ØD	ØP	E	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUC 1/8C	1/8	7.6	23.2	11.1	9.2	7.2	2.4	1.0	100
PUC 5/32C	5/32	8.7	24.5	11.6	10.4	8.2	3.0	2.0	100
PUC 1/4C	1/4	11.3	28.6	13.5	12.8	10.8	5.0	3.0	100



PUL-C

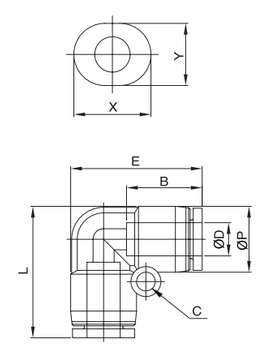
METRIC

MODEL	ØD	ØP	L	E	C	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUL 03C	3	7.6	17.1	17.1	3.2	11.1	9.2	7.2	2.4	1.0	100
PUL 04C	4	8.5	18.5	18.5	3.2	11.6	10.4	8.2	3.0	2.0	100
PUL 06C	6	10.7	21.8	21.8	3.2	12.8	12.4	10.2	4.0	4.0	100



INCH

MODEL	ØD	ØP	L	E	C	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUL 1/8C	1/8	7.6	17.1	17.1	3.2	11.1	9.2	7.2	2.4	2.0	100
PUL 5/32C	5/32	8.7	18.5	18.5	3.2	11.6	10.4	8.2	3.0	3.0	100
PUL 1/4C	1/4	11.3	23.2	23.2	3.2	13.5	12.8	10.8	5.0	5.0	100



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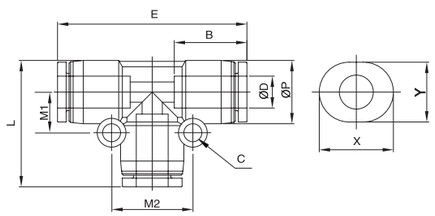
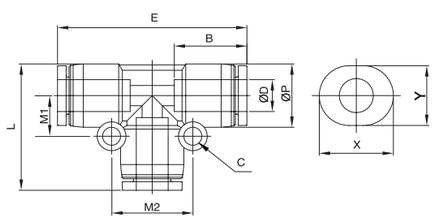
Compact One -Touch Fittings

PUT-C



METRIC-BSPT(R)

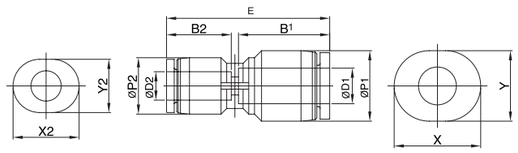
MODEL	ØD	ØP	L	E	C	B	M1	M2	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUT 03C	3	7.6	17.1	26.6	3.2	11.1	5.4	10.7	9.2	7.2	2.4	2.0	100
PUT 04C	4	8.5	18.5	28.6	3.2	11.6	5.8	11.6	10.4	8.2	3.0	3.0	100
PUT 06C	6	10.7	21.8	33.3	3.2	12.8	6.9	13.8	12.4	10.2	4.0	5.0	100



INCH-NPT

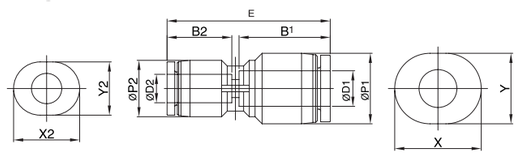
MODEL	ØD	ØP	L	E	C	B	M1	M2	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PUT 1/8C	1/8	7.6	17.1	26.6	3.2	11.1	5.4	10.7	9.2	7.2	2.4	3.0	100
PUT 5/32C	5/32	8.5	18.5	28.6	3.2	11.6	5.8	11.6	10.4	8.2	3.0	4.0	100
PUT 1/4C	1/4	10.7	23.2	35.3	3.2	13.5	7.0	14.0	12.8	10.8	5.0	6.0	100

PG-C



METRIC-BSPT(R)

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	X1	Y1	X2	Y2	ORFICE	WEIGHT(g)	BOX(EA)
PG 04-03C	4	3	8.5	7.6	23.8	11.6	11.1	10.4	8.2	9.2	7.2	2.4	2.0	100
PG 06-03C	6	3	10.7	7.6	24.2	12.8	11.1	12.4	10.2	9.2	7.2	2.5	2.0	100
PG 06-04C	6	4	10.7	8.5	26.3	12.8	11.6	12.4	10.2	10.4	8.2	3.0	3.0	100



INCH-NPT

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	X1	Y1	X2	Y2	ORFICE	WEIGHT(g)	BOX(EA)
PG 5/32-1/8C	5/32	1/8	8.7	7.6	23.8	11.6	11.1	10.4	8.2	9.2	7.2	2.4	2.0	100
PG 1/4-1/8C	1/4	1/8	11.3	7.6	24.2	13.5	11.1	12.8	10.8	9.2	7.2	3.0	3.0	100
PG 1/4-5/32C	1/4	5/32	11.3	8.7	26.3	13.5	11.6	12.8	10.8	10.4	8.2	3.0	3.0	100

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تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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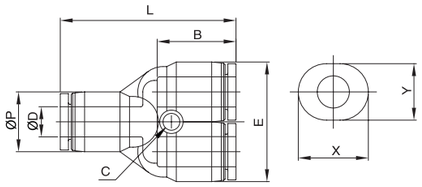
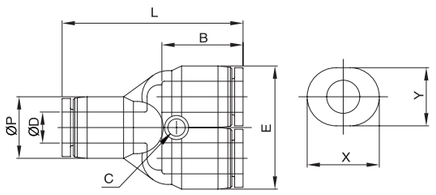
PY-C



METRIC

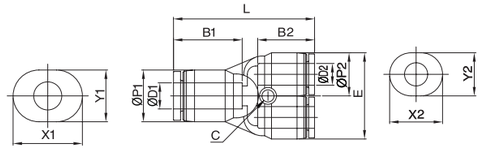
MODEL	ØD	ØP	L	E	C	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PY 03C	3	7.6	26.8	15.2	3.2	11.1	9.2	7.2	2.4	4.0	100
PY 04C	4	8.7	28.0	17.4	3.2	11.8	10.4	8.2	3.0	3.0	100
PY 06C	6	10.8	30.8	21.6	3.2	12.9	12.4	10.2	4.0	5.0	100



INCH

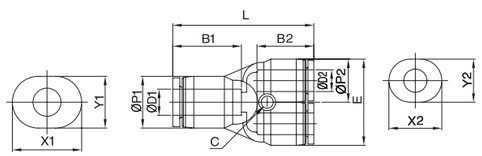
MODEL	ØD	ØP	L	E	C	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PY 1/8C	1/8	7.6	26.8	15.2	3.2	11.1	9.2	7.2	2.4	4.0	100
PY 5/32C	5/32	8.7	28.0	17.4	3.2	11.8	10.4	8.2	3.0	3.0	100
PY 1/4C	1/4	11.3	30.8	22.6	3.2	13.5	12.8	10.8	5.0	5.0	100

PW-C



METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	X1	Y1	X2	Y2	ORFICE	WEIGHT(g)	BOX(EA)
PG 04-03C	4	3	8.2	7.6	27.5	15.2	3.2	11.8	11.3	10.4	8.2	9.2	7.2	2.0	4.0	100
PG 06-03C	6	3	10.8	7.6	28.7	15.2	3.2	12.9	11.3	12.4	10.2	9.2	7.2	2.4	4.0	100
PG 06-04C	6	4	10.8	8.7	29.2	17.4	3.2	12.9	11.8	12.4	10.2	10.4	8.2	3.0	4.0	100



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	X1	Y1	X2	Y2	ORFICE	WEIGHT(g)	BOX(EA)
PW 5/32-1/8C	5/32	1/8	8.7	7.6	27.5	15.2	3.2	11.8	11.3	10.4	8.2	9.2	7.2	2.4	4.0	100
PW 1/4-1/8C	1/4	1/8	11.3	7.6	29.3	15.2	3.2	12.9	11.3	12.8	10.8	9.2	7.2	2.5	5.0	100
PW 1/4-5/32C	1/4	5/32	11.3	8.7	29.8	17.4	3.2	12.9	11.8	12.8	10.8	10.4	8.2	3.0	5.0	100

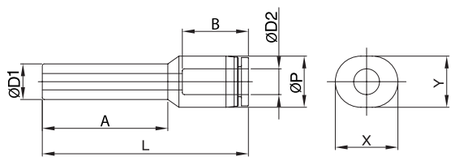
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Compact One -Touch Fittings

PGJ-C

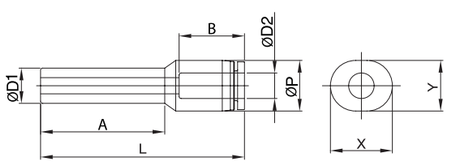
METRIC

MODEL	ØD1	ØD2	ØP	L	A	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PGJ 04-03C	4	3	7.6	30.4	18.0	11.3	9.2	7.2	2.4	1.0	100
PGJ 06-03C	6	3	7.6	32.0	21.6	11.3	9.2	7.2	2.4	2.0	100
PGJ 06-04C	6	4	8.4	33.7	21.8	11.8	10.4	8.2	3.0	2.0	100

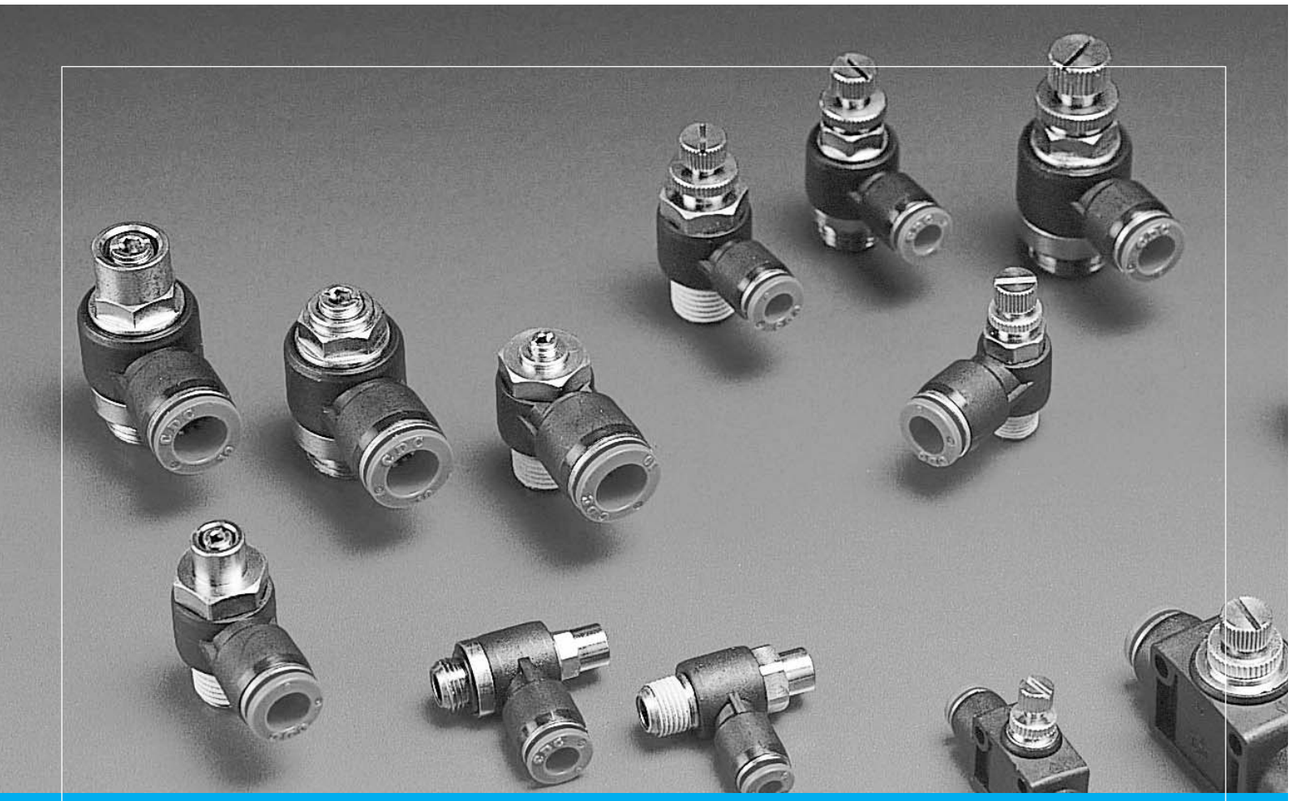


INCH

MODEL	ØD1	ØD2	ØP	L	A	B	X	Y	ORFICE	WEIGHT(g)	BOX(EA)
PGJ5/32-1/8C	5/32	1/8	7.6	30.4	18.0	11.3	9.2	7.2	2.4	1.0	100
PGJ1/4-1/8C	1/4	1/8	7.6	32.0	21.6	11.3	9.2	7.2	2.4	2.0	100
PGJ1/4-5/32C	1/4	5/32	8.4	33.7	21.8	11.8	10.4	8.2	3.0	3.0	100

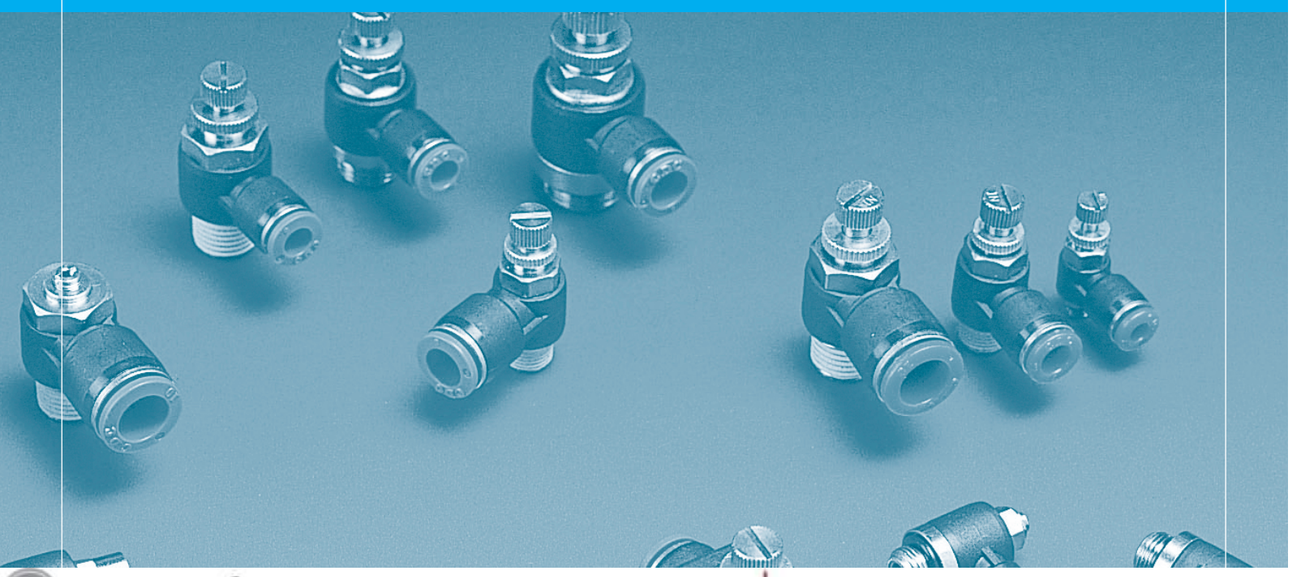


FAMCO
هایپرصنعت



Speed Controllers

Fitting Series
- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings BSBM



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

METRIC-BSPT(R)

METRIC-BSPP(G)

FAMCO
هایپرصنعت

Speed Controllers

Applications

- A valve to control the speed of the air pressure actuator.
- Mainly installed in the air actuator.

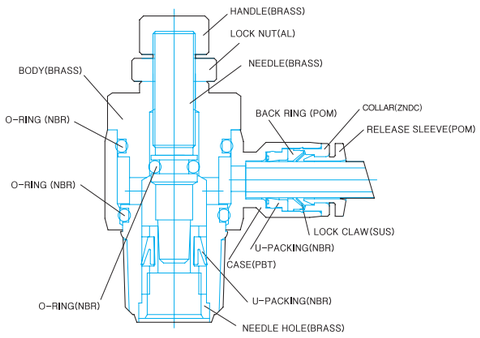
Features

- Accurate regulation of an optimal airflow rate for precise motion control.
- Tube direction and angle are controlled according to piping as the main body can rotate up to 360 after assembly.
- Needle rotation is increased to 10–12 times for easy speed and regular speed control.
- Easy speed control with drive tools in limited and crowded spaces. (NSC(D) and NSC(DC) types)
- Miniaturized products occupy small space attaching to devices.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure: 0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
- Negative pressure: −29.5 in Hg / −750mmHg(−750Torr)
- Working temperature : 32~140° F / 0~60°C
- Applicable Tube: Polyurethane and Nylon

Structural Diagram



Product Code System

METRIC - BSPT(R)

NSC 06−01−MO

Speed Controllers

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

Control Method

METER-OUT	
CODE	No Signal
METER-IN	
CODE	IN

Sleeve Color

MO	BLUE
MI	RED

METRIC - BSPP(G)

NSC 06−G01

Speed Controllers

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

G(PF) THREAD	
CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Sleeve Color

MO	BLUE
MI	RED

INCH - BSPT(R)

NSC 1/4−01

Speed Controllers

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

INCH - NPT

NSC 1/4 − N1 − MO

Speed Controllers

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

UNF THREAD	
CODE	SIZE
U	10-32UNF
NPT THREAD	
CODE	SIZE
N1	NPT1/8
N2	NPT1/4
N3	NPT3/8
N4	NPT1/2

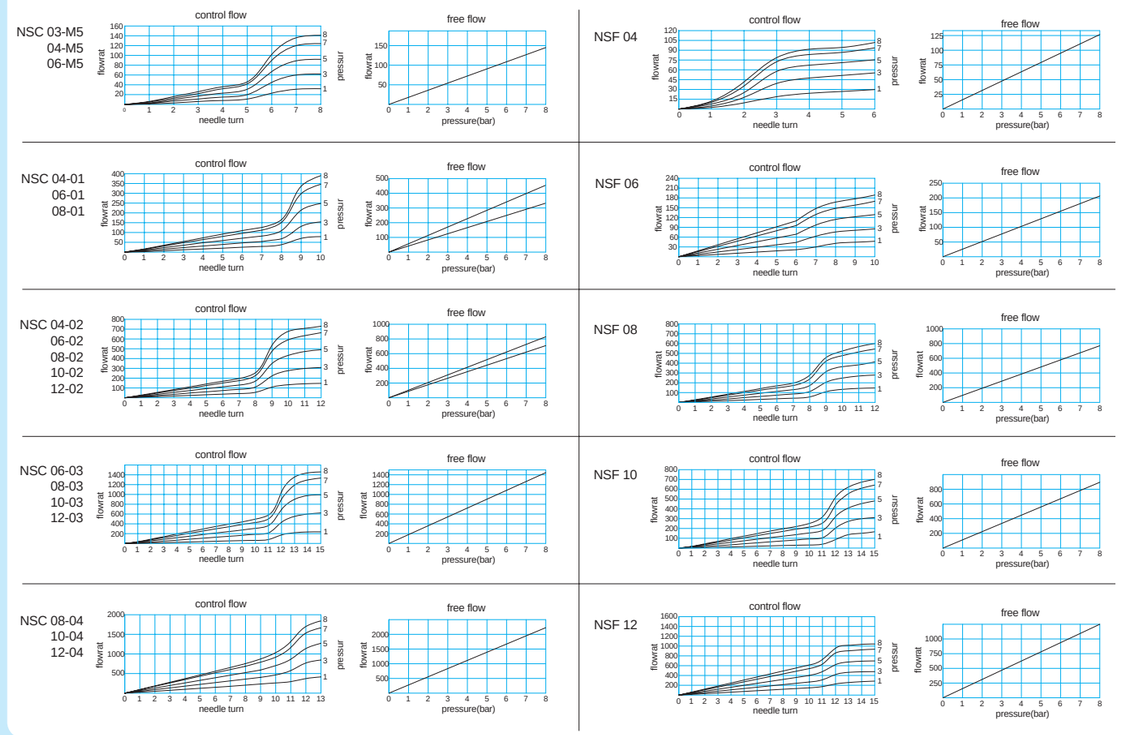
Control Method

METER-OUT	
CODE	No Signal
METER-IN	
CODE	IN

Sleeve Color

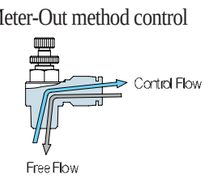
MO	BLACK
MI	RED

Speed Controllers Flowrate



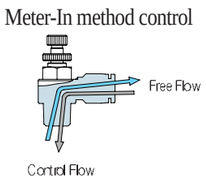
Applied example

Meter-Out method control



− This product controls the air from the screw side, but does not control it from the tube side, thus allowing free flow.

Meter-In method control



− It controls the airflow from the tube side, but does not control it from the screw side, thus allowing free flow.

⚠ CAUTION

− Be sure to refer to Caution on Safety, Classification of Warning indications (P7), and Common Caution of Fitting Products (P8) before use.
− As it allows some degree of leakage, it cannot be used for stop valves that do not permit leakage. Do not use this product when you need zero leakage.

⚠ WARNING

− Confirm the direction of airflow before use. If the flow control direction operates backwards, the speed control needle may not operate and the actuator may spring out, causing possible bodily harm.
− The speed control must be started slowly with all the needles locked.

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

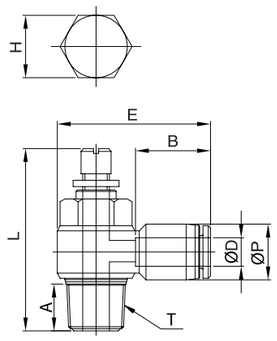
Speed Controllers

NSC

METRIC-BSPT(R)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC 03-M5	3	7.8	M5×0.8p	27.2	30.2	21.4	3.6	11.1	8	7.0	50
NSC 04-M5	4	10.5	M5×0.8p	27.2	30.2	25.1	3.6	16.3	8	7.8	50
NSC 04-01			R1/8	34.9	40.1	30.5	8.0		11	17.8	50
NSC 04-02			R1/4	40.0	45.7	34.5	10.0		15	33.8	50
NSC 06-M5	6	12.5	M5×0.8P	27.2	30.2	27.8	3.6	17.6	8	8.7	50
NSC 06-01			R1/8	34.9	40.1	31.2	8.0		11	17.7	50
NSC 06-02			R1/4	40.0	45.7	35.0	10.0		15	33.7	50
NSC 06-03			R3/8	46.7	55.0	38.7	11.0		19	63.7	25
NSC 06-04			R1/2	53.0	60.2	44.9	14.0		24	102.7	25
NSC 08-01	8	14.5	R1/8	34.9	40.1	33.0	8.0	18.7	11	19.7	50
NSC 08-02			R1/4	40.0	45.7	36.8	10.0		15	34.7	50
NSC 08-03			R3/8	46.7	55.0	40.1	11.0		19	64.7	25
NSC 08-04			R1/2	53.0	60.2	45.8	14.0		24	103.7	20
NSC 10-01	10	17.5	R1/8	34.9	40.1	35.9	8.0	19.6	11	21.2	25
NSC 10-02			R1/4	40.0	45.7	38.8	10.0		15	37.2	25
NSC 10-03			R3/8	46.7	55.0	42.2	11.0		19	67.2	25
NSC 10-04			R1/2	53.0	60.2	47.5	14.0		24	104.2	20
NSC 12-02	12	20.5	R1/4	40.0	45.7	40.8	10.0	21.9	15	40.1	25
NSC 12-03			R3/8	46.7	55.0	45.9	11.0		19	70.1	25
NSC 12-04			R1/2	53.0	60.2	50.1	14.0		24	107.1	20

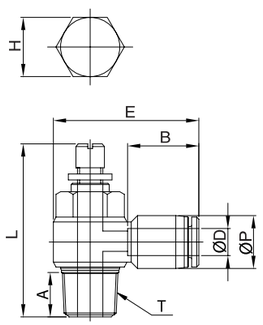
※ Meter-In is Red Release Sleeve.



INCH-NPT

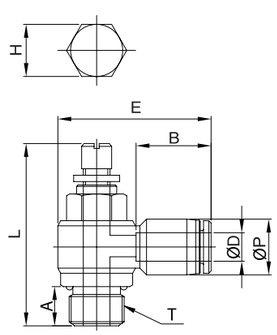
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/8-U	1/8	7.6	UNF10/32	27.2	30.2	21.5	3.6	11.1	5/16	8.0	50
NSC5/32-U	5/32	10.5	UNF10/32	27.2	30.2	25.1	3.6	16.3	5/16	9.8	50
NSC5/32-N1			NPT1/8	34.9	40.1	30.5	8.0		7/16	18.8	50
NSC5/32-N2			NPT1/4	40.0	45.7	34.5	10.0		19/32	34.8	50
NSC3/16-U	3/16	11.5	UNF10/32	27.2	30.2	26.6	3.6	16.8	5/16	9.7	50
NSC3/16-N1			NPT1/8	34.9	40.1	31.4	8.0		7/16	18.7	50
NSC3/16-N2			NPT1/4	40.0	45.7	35.3	10.0		19/32	34.7	50
NSC3/16-N3			NPT3/8	46.7	55.0	39.1	11.0		3/4	65.7	25
NSC1/4-U	1/4	12.5	UNF10/32	27.2	30.2	28.7	3.6	17.4	5/16	10.7	50
NSC1/4-N1			NPT1/8	34.9	40.1	32.0	8.0		7/16	19.7	50
NSC1/4-N2			NPT1/4	40.0	45.7	35.9	10.0		19/32	35.7	50
NSC1/4-N3			NPT3/8	46.7	55.0	39.7	11.0		3/4	66.7	25
NSC5/16-N1	5/16	14.5	NPT1/8	34.9	40.1	33.0	8.0	18.7	7/16	21.7	50
NSC5/16-N2			NPT1/4	40.0	45.7	36.8	10.0		19/32	37.7	50
NSC5/16-N3			NPT3/8	46.7	55.0	40.1	11.0		3/4	69.7	25
NSC5/16-N4			NPT1/2	53.0	60.2	45.8	14.0		15/16	103.7	25
NSC3/8-N2	3/8	17.5	NPT1/4	40.0	45.7	37.5	10.0	20.2	19/32	39.2	25
NSC3/8-N3			NPT3/8	46.7	55.0	42.1	11.0		3/4	70.2	25
NSC3/8-N4			NPT1/2	53.0	60.2	47.3	14.0		15/16	109.2	20
NSC1/2-N3	1/2	21.0	NPT3/8	46.7	55.0	45.1	11.0	22.0	3/4	74.0	25
NSC1/2-N4			NPT1/2	53.0	60.2	50.5	14.0		15/16	119.0	20

※ Meter-In is Red Release Sleeve.



METRIC-BSPP(G)

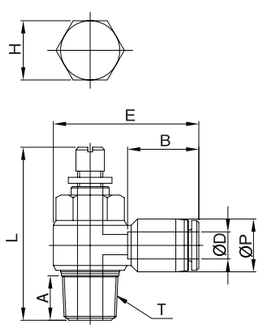
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC04-G01	4	10.5	G1/8	34.9	40.1	30.5	6.0	16.3	8	18.8	50
NSC04-G02			G1/4	40.0	45.7	34.5	8.0		12	33.8	50
NSC06-G01	6	12.5	G1/8	34.9	40.1	31.2	6.0	17.6	8	18.7	50
NSC06-G02			G1/4	40.0	45.7	35.0	8.0		12	34.7	50
NSC06-G03			G3/8	46.7	55.0	38.7	8.0		14	61.7	25
NSC06-G04			G1/2	53.0	60.2	44.9	9.0		19	95.7	25
NSC08-G01	8	14.5	G1/8	34.9	40.1	33.0	6.0	18.7	8	19.7	50
NSC08-G02			G1/4	40.0	45.7	36.8	8.0		12	35.7	50
NSC08-G03			G3/8	46.7	55.0	40.1	8.0		14	62.7	25
NSC08-G04			G1/2	53.0	60.2	45.8	9.0		19	96.7	20
NSC10-G01	10	17.5	G1/8	34.9	40.,1	35.9	6.0	19.6	8	21.2	25
NSC10-G02			G1/4	40.0	45.7	38.8	8.0		12	37.2	25
NSC10-G03			G3/8	46.7	55.0	42.2	8.0		14	64.2	25
NSC10-G04			G1/2	53.0	60.2	47.5	9.0		19	97.2	20
NSC12-G02	12	20.5	G1/4	40.0	45.7	40.8	8.0	21.9	12	38.1	25
NSC12-G03			G3/8	46.7	55.0	45.9	8.0		14	70.1	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/4-M5	1/4	12.5	M5×0.8p	27.2	30.2	28.7	3.6	17.4	8	10.7	50
NSC1/4-01			R1/8	34.9	40.1	32.0	8.0		11	19.7	50
NSC1/4-02			R1/4	40.0	45.7	35.9	10.0		15	35.7	50
NSC5/16-01	5/16	14.5	R1/8	34.9	40.1	33.0	8.0	18.7	11	21.7	50
NSC5/16-02			R1/4	40.0	45.7	36.8	10.0		15	37.7	50
NSC5/16-03			R3/8	46.7	55.0	40.1	11.0		19	69.7	25
NSC3/8-02	3/8	17.5	R1/4	40.0	45.7	37.5	10.0	20.2	15	39.2	25
NSC3/8-03			R3/8	46.7	55.0	42.1	11.0		19	70.2	25

※ Meter-In is Red Release Sleeve.



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

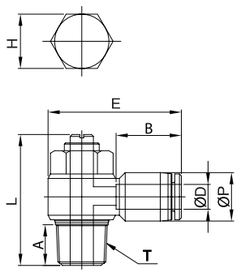
Speed Controllers

NSC(D)

METRIC-BSPT(R)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC 03-M5(D)	3	7.8	M5×0.8p	19.8	23.1	21.4	3.6	11.1	8	7.0	50
NSC 04-M5(D)	4	10.5	M5×0.8p	19.8	23.1	25.1	3.6	16.3	8	6.8	50
NSC 04-01(D)			R1/8	26.6	30.4	30.5	8.0		11	15.8	50
NSC 04-02(D)			R1/4	31.3	36.3	34.5	10.0		15	29.8	50
NSC 06-M5(D)	6	12.5	M5×0.8P	19.8	23.1	27.8	3.6	17.6	8	7.7	50
NSC 06-01(D)			R1/8	26.6	30.4	31.2	8.0		11	15.7	50
NSC 06-02(D)			R1/4	31.3	36.3	35.0	10.0		15	29.7	50
NSC 06-03(D)			R3/8	36.9	42.4	38.7	11.0		19	52.7	25
NSC 06-04(D)			R1/2	43.0	49.5	44.9	14.0		24	88.7	25
NSC 08-01(D)	8	14.5	R1/8	26.6	30.4	33.0	8.0	18.7	11	16.7	50
NSC 08-02(D)			R1/4	31.3	36.3	36.8	10.0		15	30.7	50
NSC 08-03(D)			R3/8	36.9	42.4	40.1	11.0		19	53.7	25
NSC 08-04(D)			R1/2	43.0	49.5	45.8	14.0		24	90.7	20
NSC 10-01(D)	10	17.5	R1/8	26.6	30.4	35.0	8.0	19.6	11	17.2	25
NSC 10-02(D)			R1/4	31.3	36.3	38.8	10.0		15	33.2	25
NSC 10-03(D)			R3/8	36.9	42.4	42.2	11.0		19	56.2	25
NSC 10-04(D)			R1/2	43.0	49.5	47.5	14.0		24	91.2	20
NSC 12-02(D)	12	20.5	R1/4	31.3	36.3	20.8	10.0	21.9	15	35.1	25
NSC 12-03(D)			R3/8	36.9	42.4	45.9	11.0		19	59.1	25
NSC 12-04(D)			R1/2	43.0	49.5	50.1	14.0		24	94.1	20

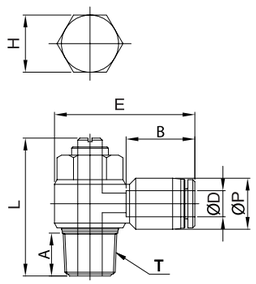
※ Meter-In is Red Release Sleeve.



INCH-NPT

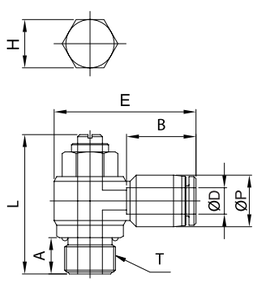
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/8-U(D)	1/8	7.6	UNF10/32	19.8	23.1	21.5	3.6	11.1	5/16	8.0	100
NSC5/32-U(D)	5/32	10.5	UNF10/32	19.8	23.1	25.1	3.6	16.3	5/16	9.8	50
NSC5/32-N1(D)			NPT1/8	26.6	30.4	30.5	8.0		7/16	16.8	50
NSC5/32-N2(D)			NPT1/4	31.3	36.3	34.5	10.0		19/32	30.8	50
NSC3/16-U(D)	3/16	11.5	UNF10/32	19.8	23.1	26.6	3.6	16.8	5/16	9.7	50
NSC3/16-N1(D)			NPT1/8	26.6	30.4	31.4	8.0		7/16	16.7	50
NSC3/16-N2(D)			NPT1/4	31.3	36.3	35.3	10.0		19/32	30.7	50
NSC3/16-N3(D)			NPT3/8	36.9	42.4	39.1	11.0		3/4	54.7	25
NSC1/4-U(D)	1/4	12.5	UNF10/32	19.8	23.1	28.7	3.6	17.4	5/16	10.7	50
NSC1/4-N1(D)			NPT1/8	26.6	30.4	32.0	8.0		7/16	17.7	50
NSC1/4-N2(D)			NPT1/4	31.3	36.3	35.9	10.0		19/32	31.7	50
NSC1/4-N3(D)			NPT3/8	36.9	42.4	39.7	11.0		3/4	55.7	25
NSC5/16-N1(D)	5/16	14.5	NPT1/8	26.6	30.4	33.0	8.0	18.7	7/16	18.7	50
NSC5/16-N2(D)			NPT1/4	31.3	36.3	36.8	10.0		19/32	33.7	50
NSC5/16-N3(D)			NPT3/8	36.9	42.4	40.1	11.0		3/4	58.7	25
NSC5/16-N4(D)			NPT1/2	43.0	49.5	45.8	14.0		15/16	90.7	25
NSC3/8-N2(D)	3/8	17.5	NPT1/4	31.3	36.3	37.5	10.0	20.2	19/32	35.2	25
NSC3/8-N3(D)			NPT3/8	36.9	42.4	42.1	11.0		3/4	59.2	25
NSC3/8-N4(D)			NPT1/2	43.0	49.5	47.3	14.0		15/16	96.2	20
NSC1/2-N3(D)	1/2	21.0	NPT3/8	36.9	42.4	45.1	11.0	22.0	3/4	69.0	25
NSC1/2-N4(D)			NPT1/2	43.0	49.5	50.5	14.0		15/16	106.0	20

※ Meter-In is Red Release Sleeve.



METRIC-BSPP(G)

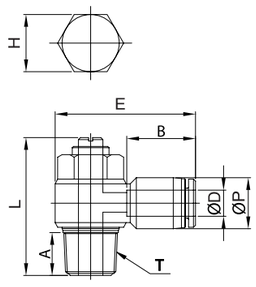
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC04-G01(D)	4	10.5	G1/8	26.6	30.4	30.5	6.0	16.3	8	14.8	50
NSC04-G02(D)			G1/4	31.3	36.3	34.5	8.0		12	27.8	50
NSC06-G01(D)	6	12.5	G1/8	26.6	30.4	31.2	6.0	17.6	8	14.7	50
NSC06-G02(D)			G1/4	31.3	36.3	35.0	8.0		12	28.7	50
NSC06-G03(D)			G3/8	36.9	42.4	38.7	8.0		14	49.7	25
NSC06-G04(D)			G1/2	43.0	49.5	44.9	9.0		19	84.7	25
NSC08-G01(D)	8	14.5	G1/8	26.6	30.4	33.0	6.0	18.7	8	15.7	50
NSC08-G02(D)			G1/4	31.3	36.3	36.8	8.0		12	29.7	50
NSC08-G03(D)			G3/8	36.9	42.4	40.1	8.0		14	50.7	25
NSC08-G04(D)			G1/2	43.0	49.5	45.8	9.0		19	85.7	20
NSC10-G01(D)	10	17.5	G1/8	26.6	30.4	35.0	6.0	19.6	8	16.2	25
NSC10-G02(D)			G1/4	31.3	36.3	38.8	8.0		12	31.2	25
NSC10-G03(D)			G3/8	36.9	42.4	42.2	8.0		14	52.2	25
NSC10-G04(D)			G1/2	43.0	49.5	47.5	9.0		19	86.2	20
NSC12-G02(D)			G1/4	31.3	36.3	40.8	8.0		12	32.1	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/4-M5(D)	1/4	12.5	M5×0.8p	19.8	23.1	28.7	3.6	17.4	8	10.7	50
NSC1/4-01(D)			R1/8	26.6	30.4	32.0	8.0		11	17.7	50
NSC1/4-02(D)			R1/4	31.3	36.3	35.9	10.0		15	31.7	50
NSC5/16-01(D)	5/16	14.5	R1/8	26.6	30.4	33.0	8.0	18.7	11	18.7	50
NSC5/16-02(D)			R1/4	31.3	36.3	36.8	10.0		15	33.7	50
NSC5/16-03(D)			R3/8	36.9	42.4	40.1	11.0		19	58.7	25
NSC3/8-02(D)	3/8	17.5	R1/4	31.3	36.3	37.5	10.0	20.2	15	35.2	25
NSC3/8-03(D)			R3/8	36.9	42.4	42.1	11.0		19	59.2	25

※ Meter-In is Red Release Sleeve.



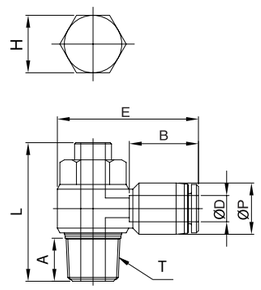
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Speed Controllers

NSC(DC)

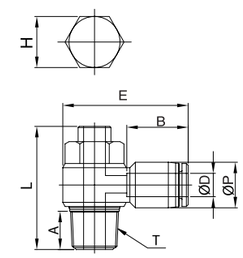
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC03-M5(DC)	3	7.8	M5×0.8p	23.2	21.4	3.6	11.1	8	7.0	50
NSC04-M5(DC)	4	10.5	M5×0.8p	23.2	25.1	3.6	16.3	8	6.8	50
NSC04-01(DC)			R1/8	31.6	30.5	8.0		11	17.8	50
NSC04-02(DC)			R1/4	37.0	34.5	10.0		15	31.8	50
NSC06-M5(DC)	6	12.5	M5×0.8P	23.2	27.8	3.6	17.6	8	7.7	50
NSC06-01(DC)			R1/8	31.6	31.2	8.0		11	17.7	50
NSC06-02(DC)			R1/4	37.0	35.0	10.0		15	31.7	50
NSC06-03(DC)			R3/8	43.3	38.7	11.0		19	58.7	25
NSC06-04(DC)			R1/2	50.2	44.9	14.0		24	95.7	20
NSC08-01(DC)	8	14.5	R1/8	31.6	33.0	8.0	18.7	11	18.7	50
NSC08-02(DC)			R1/4	37.0	36.8	10.0		15	32.7	50
NSC08-03(DC)			R3/8	43.3	40.1	11.0		19	59.7	25
NSC08-04(DC)			R1/2	50.2	45.8	14.0		24	96.7	20
NSC10-01(DC)	10	17.5	R1/8	31.6	35.9	8.0	19.6	11	19.2	25
NSC10-02(DC)			R1/4	37.0	38.8	10.0		15	35.2	25
NSC10-03(DC)			R3/8	43.3	42.2	11.0		19	62.2	25
NSC10-04(DC)			R1/2	50.2	47.5	14.0		24	97.2	20
NSC12-02(DC)	12	20.5	R1/4	37.0	40.8	10.0	21.9	15	37.1	25
NSC12-03(DC)			R3/8	43.3	45.9	11.0		19	65.1	25
NSC12-04(DC)			R1/2	50.2	50.1	14.0		24	100.1	20



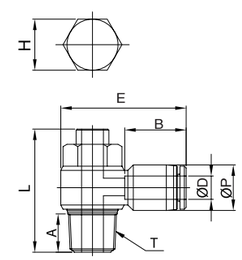
INCH-NPT

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/8-U(DC)	1/8	7.6	UNF10/32	23.2	23.1	21.5	3.6	11.1	5/16	8.0	100
NSC5/32-U(DC)	5/32	10.5	UNF10/32	23.2	23.1	25.1	3.6	16.3	5/16	9.8	50
NSC5/32-N1(DC)			NPT1/8	31.6	30.4	30.5	8.0		7/16	18.8	50
NSC5/32-N2(DC)			NPT1/4	37.0	36.3	34.5	10.0		19/32	32.8	
NSC3/16-U(DC)	3/16	11.5	UNF10/32	23.2	23.1	26.6	3.6	16.8	5/16	9.7	50
NSC3/16-N1(DC)			NPT1/8	31.6	30.4	31.4	8.0		7/16	18.7	50
NSC3/16-N2(DC)			NPT1/4	37.0	36.3	35.3	10.0		19/32	32.7	50
NSC3/16-N3(DC)			NPT3/8	43.3	42.4	39.1	11.0		3/4	59.7	25
NSC1/4-U(DC)	1/4	12.5	UNF10/32	23.2	23.1	28.7	3.6	17.4	5/16	10.7	50
NSC1/4-N1(DC)			NPT1/8	31.6	30.4	32.0	8.0		7/16	19.7	50
NSC1/4-N2(DC)			NPT1/4	37.0	36.3	35.9	10.0		19/32	33.7	50
NSC1/4-N3(DC)			NPT3/8	43.3	42.4	39.7	11.0		3/4	61.7	25
NSC5/16-N1(DC)	5/16	14.5	NPT1/8	31.6	30.4	33.0	8.0	18.7	7/16	20.7	50
NSC5/16-N2(DC)			NPT1/4	37.0	36.3	36.8	10.0		19/32	35.7	50
NSC5/16-N3(DC)			NPT3/8	43.3	42.4	40.1	11.0		3/4	64.7	25
NSC5/16-N4(DC)			NPT1/2	50.2	49.5	45.8	14.0		15/16	96.7	25
NSC3/8-N2(DC)	3/8	17.5	NPT1/4	37.0	36.3	37.5	10.0	20.2	19/32	37.2	25
NSC3/8-N3(DC)			NPT3/8	43.3	42.4	42.1	11.0		3/4	65.2	25
NSC3/8-N4(DC)			NPT1/2	50.2	49.5	47.3	14.0		15/16	102.2	20
NSC1/2-N3(DC)	1/2	21.0	NPT3/8	53.3	42.4	45.1	11.0	22.0	3/4	75.0	25
NSC1/2-N4(DC)			NPT1/2	50.2	49.5	50.5	14.0		15/16	112.0	20



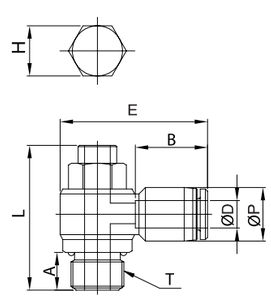
INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC1/4-M5(DC)	1/4	12.5	M5×0.8p	23.2	28.7	3.6	17.4	8	10.7	50
NSC1/4-01(DC)			R1/8	31.6	32.0	8.0		11	19.7	50
NSC1/4-02(DC)			R1/4	37.0	35.9	10.0		15	33.7	50
NSC5/16-01(DC)	5/16	14.5	R1/8	31.6	33.0	8.0	18.7	11	20.7	50
NSC5/16-02(DC)			R1/4	37.0	36.8	10.0		15	35.7	50
NSC5/16-03(DC)			R3/8	43.3	40.1	11.0		19	64.7	25
NSC3/8-02(DC)	3/8	17.5	R1/4	37.0	37.5	10.0	20.2	15	37.2	25
NSC3/8-03(DC)			R3/8	43.3	42.1	11.0		19	65.2	25



METRIC-BSPP(G)

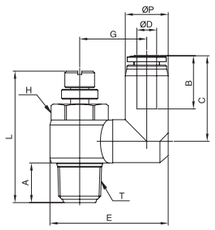
MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
NSC04-G01(DC)	4	10.5	G1/8	31.6	30.5	6.0	16.3	8	16.8	50
NSC04-G02(DC)			G1/4	37.0	34.5	8.0		12	29.8	50
NSC06-G01(DC)	6	12.5	G1/8	31.6	31.2	6.0	17.6	8	16.7	50
NSC06-G02(DC)			G1/4	37.0	35.0	8.0		12	30.7	50
NSC06-G03(DC)			G3/8	43.3	38.7	8.0		14	55.7	25
NSC06-G04(DC)			G1/2	50.2	45.8	9.0		19	89.7	20
NSC08-G01(DC)	8	14.5	G1/8	31.6	33.0	6.0	18.7	8	17.7	50
NSC08-G02(DC)			G1/4	37.0	36.8	8.0		12	31.7	50
NSC08-G03(DC)			G3/8	43.3	40.1	8.0		14	56.7	25
NSC08-G04(DC)			G1/2	50.2	45.8	9.0		19	91.7	20
NSC10-G01(DC)	10	17.5	G1/8	31.6	33.0	6.0	19.6	8	19.2	25
NSC10-G02(DC)			G1/4	37.0	38.8	8.0		12	33.2	25
NSC10-G03(DC)			G3/8	43.3	42.2	8.0		14	58.2	25
NSC10-G04(DC)			G1/2	50.2	47.5	9.0		19	92.2	20



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

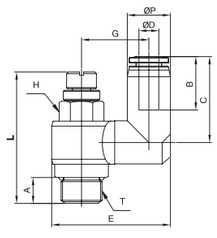
Speed Controllers

NSS



METRIC-BSPT(R)

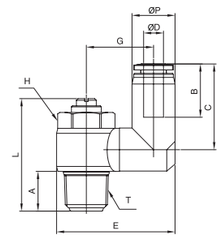
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	H(Hex)	A	B	C	E	G	BOX(EA)
NSS 04-M5	4	10.5	M5×0.8p	27.2	30.2	8.0	3.6	16.3	20.5	22.7	12.3	50
NSS 04-01			R1/8	34.9	40.1	11.0	8.0		20.5	26.5	14.3	50
NSS 04-02			R1/4	40.0	45.7	15.0	10.0		20.5	26.5	14.3	50
NSS 06-M5	6	12.5	M5×0.8P	27.2	30.2	8.0	3.6	17.6	22.5	24.7	13.3	50
NSS 06-01			R1/8	34.9	40.1	11.0	8.0		24.1	28.5	15.0	50
NSS 06-02			R1/4	40.0	45.7	15.0	10.0		26.0	36.0	20.3	50
NSS 06-03			R3/8	46.7	55.0	19.0	11.0		26.0	41.3	23.3	25
NSS 08-01	8	14.5	R1/8	34.9	40.1	11.0	8.0	18.7	25.4	30.6	16.2	50
NSS 08-02			R1/4	40.0	45.7	15.0	10.0		28.8	36.0	19.3	50
NSS 08-03			R3/8	46.7	55.0	19.0	11.0		29.8	43.6	24.6	25
NSS 08-04			R1/2	53.0	60.2	24.0	14.0		29.8	48.4	26.6	20
NSS 10-02	10	17.5	R1/4	40.0	45.7	15.0	10.0	19.6	30.7	38.2	20.3	25
NSS 10-03			R3/8	46.7	55.0	19.0	11.0		31.7	44.9	24.6	25
NSS 10-04			R1/2	53.0	60.2	24.0	14.0		33.2	49.8	26.7	20
NSS 12-02	12	20.5	R1/4	40.0	45.7	15.0	10.0	21.9	33.4	41.2	21.8	25
NSS 12-03			R3/8	46.7	55.0	19.0	11.0		34.4	46.4	24.6	25
NSS 12-04			R1/2	53.0	60.2	24.0	14.0		35.9	51.3	26.7	20



METRIC-BSPP(G)

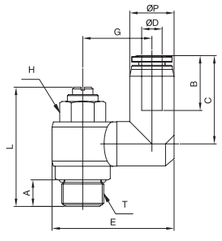
MODEL	ØD	ØP	T	L(MIN)	L(MAX)	H(Hex)	A	B	C	E	G	BOX(EA)
NSS 04-G01	4	10.5	G1/8	34.9	40.1	8.0	6.0	16.3	20.5	26.5	14.3	50
NSS 04-G02			G1/4	40.0	45.7	12.0	8.0		20.5	26.5	14.3	50
NSS 06-G01	6	12.5	G1/8	34.9	40.1	8.0	6.0	17.6	24.1	28.5	15.0	50
NSS 06-G02			G1/4	40.0	45.7	12.0	8.0		26.0	36.0	20.3	50
NSS 06-G03			G3/8	46.7	55.0	14.0	8.0		26.0	41.3	23.3	25
NSS 08-G01	8	14.5	G1/8	34.9	40.1	8.0	6.0	18.7	25.4	30.6	16.2	50
NSS 08-G02			G1/4	40.0	45.7	12.0	8.0		28.8	36.0	19.3	50
NSS 08-G03			G3/8	46.7	55.0	14.0	8.0		29.8	43.6	24.6	25
NSS 08-G04			G1/2	53.0	60.2	17.0	9.0		29.8	48.4	26.6	20
NSS 10-G02	10	17.5	G1/4	40.0	45.7	12.0	8.0	19.6	30.7	38.2	20.3	25
NSS 10-G03			G3/8	46.7	55.0	14.0	8.0		31.7	44.9	24.6	25
NSS 10-G04			G1/2	53.0	60.2	17.0	9.0		33.2	49.8	26.7	20
NSS 12-G02	12	20.5	G1/4	40.0	45.7	12.0	8.0	21.9	33.4	41.2	21.8	25
NSS 12-G03			G3/8	46.7	55.0	14.0	8.0		34.4	46.4	24.6	25

NSS(D)



METRIC-BSPT(R)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	H(Hex)	A	B	C	E	G	BOX(EA)
NSS 04-M5(D)	4	10.5	M5×0.8p	19.8	23.1	8.0	3.6	16.3	20.5	22.7	12.3	50
NSS 04-01(D)			R1/8	26.6	30.4	11.0	8.0		20.5	26.5	14.3	50
NSS 04-02(D)			R1/4	31.3	36.3	15.0	10.0		20.5	26.5	14.3	50
NSS 06-M5(D)	6	12.5	M5×0.8P	19.8	23.1	8.0	3.6	17.6	22.5	24.7	13.3	50
NSS 06-01(D)			R1/8	26.6	30.4	11.0	8.0		24.1	28.5	15.0	50
NSS 06-02(D)			R1/4	31.3	36.3	15.0	10.0		26.0	36.0	20.3	50
NSS 06-03(D)			R3/8	36.9	42.4	19.0	11.0		26.0	41.3	23.3	25
NSS 08-01(D)	8	14.5	R1/8	26.6	30.4	11.0	8.0	18.7	25.4	30.6	16.2	50
NSS 08-02(D)			R1/4	31.3	36.3	15.0	10.0		28.8	36.0	19.3	50
NSS 08-03(D)			R3/8	36.9	42.4	19.0	11.0		29.8	43.6	24.6	25
NSS 08-04(D)			R1/2	43.0	49.5	24.0	14.0		29.8	48.4	26.6	20
NSS 10-02(D)	10	17.5	R1/4	31.3	36.3	15.0	10.0	19.6	30.7	38.2	20.3	25
NSS 10-03(D)			R3/8	36.9	42.4	19.0	11.0		31.7	44.9	24.6	25
NSS 10-04(D)			R1/2	43.0	49.5	24.0	14.0		33.2	49.8	26.7	20
NSS 12-02(D)	12	20.5	R1/4	31.3	36.3	15.0	10.0	21.9	33.4	41.2	21.8	25
NSS 12-03(D)			R3/8	36.9	42.4	19.0	11.0		34.4	46.4	24.6	25
NSS 12-04(D)			R1/2	43.0	49.5	24.0	14.0		35.9	51.3	26.7	20



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L(MIN)	L(MAX)	H(Hex)	A	B	C	E	G	BOX(EA)
NSS 04-G01(D)	4	10.5	G1/8	26.6	30.4	8.0	6.0	16.3	20.5	26.5	14.3	50
NSS 04-G02(D)			G1/4	31.3	36.3	12.0	8.0		20.5	26.5	14.3	50
NSS 06-G01(D)	6	12.5	G1/8	26.6	30.4	8.0	6.0	17.6	24.1	28.5	15.0	50
NSS 06-G02(D)			G1/4	31.3	36.3	12.0	8.0		26.0	36.0	20.3	50
NSS 06-G03(D)			G3/8	36.9	42.4	14.0	8.0		26.0	41.3	23.3	25
NSS 08-G01(D)	8	14.5	G1/8	26.6	30.4	8.0	6.0	18.7	25.4	30.6	16.2	50
NSS 08-G02(D)			G1/4	31.3	36.3	12.0	8.0		28.8	36.0	19.3	50
NSS 08-G03(D)			G3/8	36.9	42.449.	14.0	8.0		29.8	43.6	24.6	25
NSS 08-G04(D)			G1/2	43.0	5	17.0	9.0		29.8	48.4	26.6	20
NSS 10-G02(D)	10	17.5	G1/4	31.3	36.3	12.0	8.0	19.6	30.7	38.2	20.3	25
NSS 10-G03(D)			G3/8	36.9	42.4	14.0	8.0		31.7	44.9	24.6	25
NSS 10-G04(D)			G1/2	43.0	49.5	17.0	9.0		33.2	49.8	26.7	20
NSS 12-G02(D)	12	20.5	G1/4	31.3	36.3	12.0	8.0	21.9	33.4	41.2	21.8	25
NSS 12-G03(D)			G3/8	36.9	42.4	14.0	8.0		34.4	46.4	24.6	25

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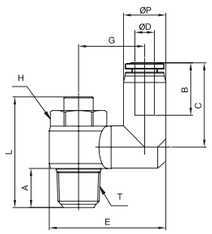
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

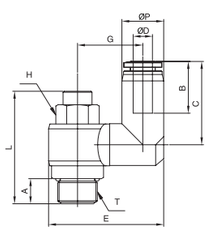
Speed Controllers

NSS(DC)



METRIC-BSPT(R)

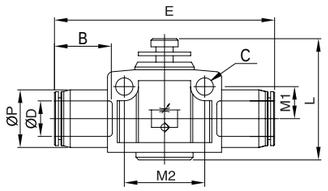
MODEL	ØD	ØP	T	L	H(Hex)	A	B	C	E	G	BOX(EA)
NSS04-M5(DC)	4	10.5	M5×0.8p	23.2	8.0	3.6	16.3	20.5	22.7	12.3	50
NSS04-01(DC)			R1/8	31.6	11.0	8.0		20.5	26.5	14.3	50
NSS04-02(DC)			R1/4	37.0	15.0	10.0		20.5	26.5	14.3	50
NSS06-M5(DC)	6	12.5	M5×0.8P	23.2	8.0	3.6	17.6	22.5	24.7	13.3	50
NSS06-01(DC)			R1/8	31.6	11.0	8.0		24.1	28.5	15.0	50
NSS06-02(DC)			R1/4	37.0	15.0	10.0		26.0	36.0	20.3	50
NSS06-03(DC)			R3/8	43.3	19.0	11.0		26.0	41.3	23.3	25
NSS08-01(DC)	8	14.5	R1/8	31.6	11.0	8.0	18.7	25.4	30.6	16.2	50
NSS08-02(DC)			R1/4	37.0	15.0	10.0		28.8	36.0	19.3	50
NSS08-03(DC)			R3/8	43.3	19.0	11.0		29.8	43.6	24.6	25
NSS08-04(DC)			R1/2	50.2	24.0	14.0		29.8	48.4	26.6	20
NSS10-02(DC)	10	17.5	R1/4	37.0	15.0	10.0	19.6	30.7	38.2	20.3	25
NSS10-03(DC)			R3/8	43.3	19.0	11.0		31.7	44.9	24.6	25
NSS10-04(DC)			R1/2	50.2	24.0	14.0		33.2	49.8	26.7	20
NSS12-02(DC)	12	20.5	R1/4	37.0	15.0	10.0	21.9	33.4	41.2	21.8	25
NSS12-03(DC)			R3/8	43.3	19.0	11.0		34.4	46.4	24.6	25
NSS12-04(DC)			R1/2	50.2	24.0	14.0		35.9	51.3	26.7	20



METRIC-BSPP(G)

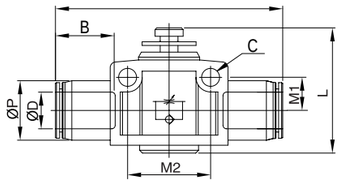
MODEL	ØD	ØP	T	L	H(Hex)	A	B	C	E	G	BOX(EA)
NSS 04-G01(DC)	4	10.5	G1/8	31.6	8.0	6.0	16.3	20.5	26.5	14.3	50
NSS 04-G02(DC)			G1/4	37.0	12.0	8.0		20.5	26.5	14.3	50
NSS 06-G01(DC)	6	12.5	G1/8	31.6	8.0	6.0	17.6	24.1	28.5	15.0	50
NSS 06-G02(DC)			G1/4	37.0	12.0	8.0		26.0	36.0	20.3	50
NSS 06-G03(DC)			G3/8	43.3	14.0	8.0		26.0	41.3	23.3	25
NSS 08-G01(DC)	8	14.5	G1/8	31.6	8.0	6.0	18.7	25.4	30.6	16.2	50
NSS 08-G02(DC)			G1/4	37.0	12.0	8.0		28.8	36.0	19.3	50
NSS 08-G03(DC)			G3/8	43.3	14.0	8.0		29.8	43.6	24.6	25
NSS 08-G04(DC)			G1/2	50.2	17.0	9.0		29.8	48.4	26.6	20
NSS 10-G02(DC)	10	17.5	G1/4	37.0	12.0	8.0	19.6	30.7	38.2	20.3	25
NSS 10-G03(DC)			G3/8	43.3	14.0	8.0		31.7	44.9	24.6	25
NSS 10-G04(DC)			G1/2	50.2	17.0	9.0		33.2	49.8	26.7	20
NSS 12-G02(DC)	12	20.5	G1/4	37.0	12.0	8.0	21.9	33.4	41.2	21.8	25
NSS 12-G03(DC)			G3/8	43.3	14.0	8.0		34.4	46.4	24.6	25

NSF



METRIC

MODEL	ØD	ØP	L(MIN)	L(MAX)	E	C	B	M1	M2	WEIGHT(g)	BOX(EA)
NSF 04	4	10.5	29.9	33.3	45.1	3.3	16.3	5.9	14.8	11.6	50
NSF 06	6	12.5	35.0	39.5	50.3	4.3	17.6	8.3	20.5	26.4	50
NSF 08	8	14.5	37.4	42.1	55.7	4.4	18.7	9.8	23.0	42.4	25
NSF 10	10	17.5	43.8	49.0	61.2	4.4	19.6	10.7	28.0	75.4	20
NSF 12	12	20.5	47.4	53.6	69.8	4.4	21.9	11.7	32.0	111.2	15



INCH

MODEL	ØD	ØP	L(MIN)	L(MAX)	E	C	B	M1	M2	WEIGHT(g)	BOX(EA)
NSF5/32	5/32	10.5	29.9	33.3	45.1	3.3	16.3	5.9	14.8	13.6	50
NSF3/16	3/16	11.5	35.0	39.5	50.3	4.3	16.8	8.3	20.5	13.4	50
NSF1/4	1/4	12.5	35.0	39.5	50.3	4.3	17.4	8.3	20.5	29.4	50
NSF5/16	5/16	14.5	37.4	42.1	55.7	4.4	18.7	9.8	23.0	47.4	25
NSF3/8	3/8	17.5	42.9	49.5	61.4	4.4	20.2	10.7	28.0	84.4	20
NSF1/2	1/2	21.0	47.4	53.6	69.8	4.4	22.0	11.7	32.0	124.0	15

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E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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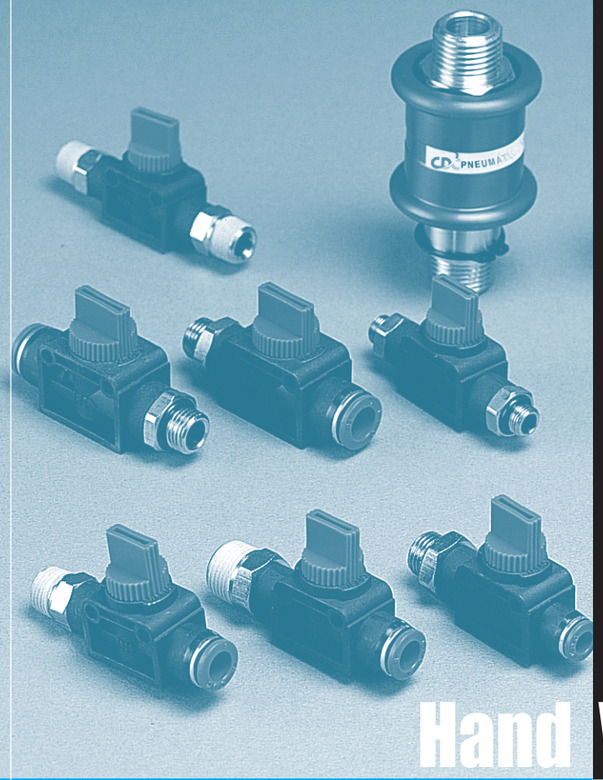
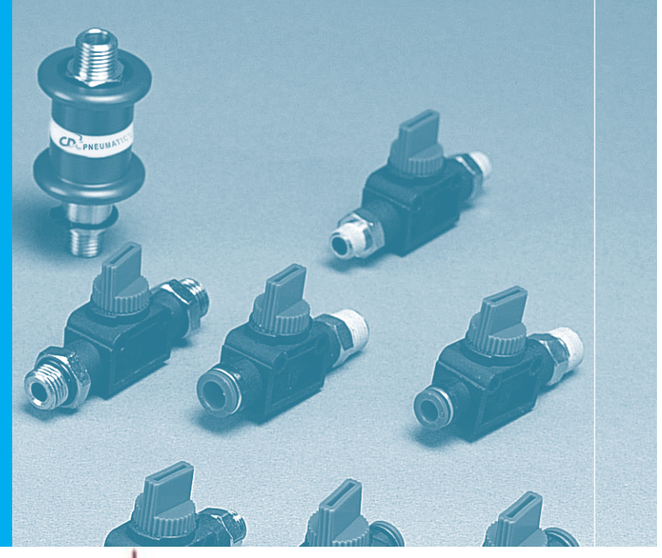
FAMCO
هایپرصنعت



Hand Valves
Hand Slide Valves



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves

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E-mail: info@famcocorp.com
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Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پـارس، پلاک ۱۲

Hand Valves

METRIC-BSPT(R)

HVC
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HVU
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HVM
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METRIC-BSPP(G)

HVC-G
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HVF-G
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HVM-G
Page 132

Hand Slide Valves

HSV
Page 134

FAMCO
هایپرصنعت

Hand Valves

Applications

- Used for switching compressed air.

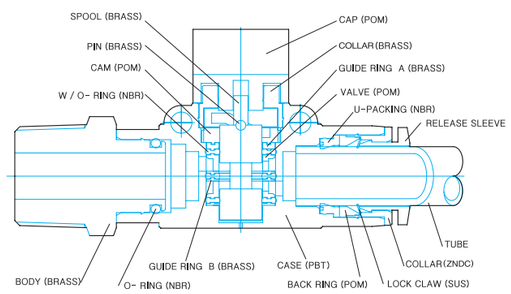
Features

- This product switches compressed air on/off of air pressure devices by simply turning the handle.
- Maintenance or inspection is possible when the remaining pressure in the device is removed.
- A three-way valve discharges the remaining pressure out, and blocks the incoming air in the off state.
- There are 4 types available depending on the method applied to air pressure flow.

Specifications

Fluid type : Air(No other gases or liquids)
Working pressure : 0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
Negative pressure: -29.5 in Hg / -750mmHg(-750Torr)
Working temperature: 32~140° F / 0~60°C
Applicable Tube: Polyurethane and Nylon

Structural Diagram



Product Code System

METRIC - BSPT(R)

HVC 06-01

HAND VALVE

Tube Dia

CODE	ΦD
06	Φ6
08	Φ8
10	Φ10
12	Φ12

Thread Size

CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

METRIC - BSPP(G)

HVC 06-G01

HAND VALVE

Tube Dia

CODE	ΦD
06	Φ6
08	Φ8
10	Φ10
12	Φ12

Thread Size

CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

INCH - NPT

HVC 1/4-N1

HAND VALVE

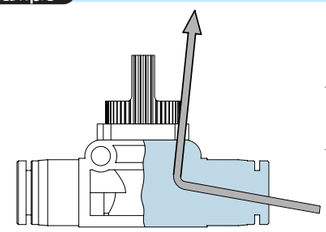
Tube Dia

CODE	ØD
1/4	1/4"
5/16	5/16"
3/8	3/8"
1/2	1/2"

Thread Size

CODE	SIZE
N1	NPT1/8
N2	NPT1/4
N3	NPT3/8
N4	NPT1/2

Applied example



- To insert the tube into the fitting, insert it fully to the end,and for release, block the compressed air and push the sleeve gently to pull the tube out.
- Be sure to select the product according to your needs as hand valves discharge the remaining air using a 3-way method so that leakage may occur when fluids other than water are applied.

Hand valve

⚠ CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning indications (P7), and Common Caution of Fitting Products (P8) before use.

⚠ WARNING

- Do not force impact or rotation on the body or fitting section.
- Usage in vacuum state may cause operational errors due to drawn-in dust, so a vacuum filter should be attached at the intake side.
- Make sure that the handle lever operates at a full 90 otherwise, there may not be enough flow.

Hand Slide valve

⚠ CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning indications (P7), and Common Caution of Fitting Products (P8) before use.
- Make sure that the handle lever is turned properly to the desired side. If it isn't turned properly, there may not be enough flow.

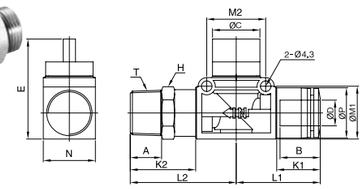
⚠ WARNING

- Do not force impact or rotation on the body or fitting section. It may cause product damage or air leakage.
- Confirm the air flow control direction before use.
- Make sure that the power and air is blocked and the remaining pressure in pipes is completely removed before maintenance or inspection.

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

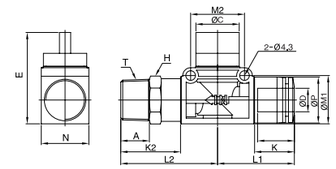
Hand Valves

HVC



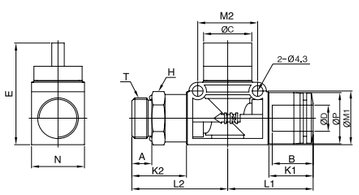
METRIC-BSPT(R)

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVC 06-01		R1/8		14				8.0			21.6		35.6			34.7	25
HVC 06-02	6	R1/4	12.5	14	16.5	18.0	40.5	10.0	17.6	12.2	24.6	26.2	38.6	18.3	19.0	38.7	25
HVC 06-03		R3/8		17				11.0			25.6		39.6			46.7	25
HVC 08-01		R1/8		14				8.0			21.6		35.6			34.7	25
HVC 08-02	8	R1/4	14.8	14	16.5	18.0	40.5	10.0	18.7	13.0	24.6	27.5	38.6	18.3	19.0	38.7	25
HVC 08-03		R3/8		17				11.0			25.6		39.6			46.7	25
HVC 10-02		R1/4		17				10.0			23.0		39.5			57.2	20
HVC 10-03	10	R3/8	17.5	17	19.3	21.2	41.0	11.0	19.6	14.5	24.0	31.0	40.5	21.5	24.0	61.2	20
HVC 10-04		R1/2		21				14.0			27.0		43.5			80.2	20
HVC 12-02		R1/4		19				10.0			24.6		41.1			69.1	20
HVC 12-03	12	R3/8	20.5	19	19.3	21.2	41.0	11.0	21.9	17.7	25.6	34.2	42.1	21.5	24.0	67.1	20
HVC 12-04		R1/2		21				14.0			28.6		45.1			79.1	20



INCH-NPT

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVC1/4-N1		NPT1/8		9/16				8.5			23.1		37.1			30.7	25
HVC1/4-N2	1/4	NPT1/4	12.6	9/16	16.5	18.0	40.5	10.5	17.7	12.5	25.1	26.5	39.1	18.3	19.0	38.7	25
HVC1/4-N3		NPT3/8		11/16				11.5			26.1		40.1			45.7	25
HVC5/16-N1		NPT1/8		9/16				8.5			23.1		37.1			34.7	25
HVC5/16-N2	5/16	NPT1/4	14.8	9/16	16.5	18.0	40.5	10.5	19.1	13.9	25.1	27.9	39.1	18.3	19.0	38.7	25
HVC5/16-N3		NPT3/8		11/16				11.5			26.1		40.1			46.7	25
HVC3/8-N2		NPT1/4		11/16				10.5			23.5		40.0			60.2	20
HVC3/8-N3	3/8	NPT3/8	17.5	11/16	19.3	21.2	41.0	11.5	19.7	14.4	24.5	30.9	41.0	21.5	24.0	77.2	20
HVC3/8-N4		NPT1/2		7/8				14.5			27.5		44.0			74.2	20
HVC1/2-N2		NPT1/4		3/4				10.5			25.1		41.6			69.0	20
HVC1/2-N3	1/2	NPT3/8	21.0	3/4	19.3	21.2	41.0	11.5	23.2	17.8	26.1	34.3	42.6	21.5	24.0	84.0	20
HVC1/2-N4		NPT1/2		7/8				14.5			29.1		45.6			89.0	20

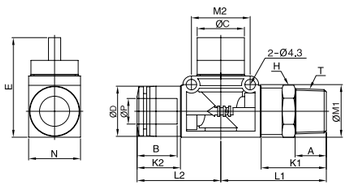


METRIC-BSPP(G)

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVC06-G01		G1/8		14				5.0			18.6		32.6			32.7	25
HVC06-G02	6	G1/4	12.5	17	16.5	18.0	40.5	6.5	17.6	12.2	20.1	26.2	34.1	18.3	19.0	39.7	25
HVC06-G03		G3/8		20				6.5			20.1		34.1			42.7	25
HVC08-G01		G1/8		14				5.0			18.6		32.6			33.7	25
HVC08-G02	8	G1/4	14.8	17	16.5	18.0	40.5	6.5	18.7	13.0	20.1	27.5	34.1	18.3	19.0	39.7	25
HVC08-G03		G3/8		20				6.5			20.1		34.1			44.7	25
HVC10-G02		G1/4		17				6.5			18.5		35.0			50.2	20
HVC10-G03	10	G3/8	17.5	20	19.3	21.2	41.0	6.5	19.6	14.5	18.5	31.0	35.0	21.5	24.0	57.2	20
HVC10-G04		G1/2		24				8.0			20.0		36.5			70.2	20
HVC12-G02		G1/4		19				6.5			20.1		36.6			60.1	20
HVC12-G03	12	G3/8	20.5	20	19.3	21.2	41.0	6.5	21.9	17.7	20.1	34.2	36.6	21.5	24.0	61.1	20
HVC12-G04		G1/2		24				8.0			21.6		38.1			73.1	20

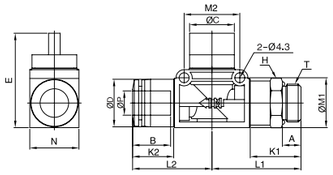
Hand Valves

HVF



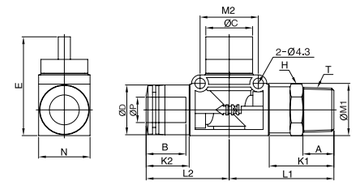
METRIC-BSPT(R)

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVF 01-06		R1/8		14				8.0		21.6		35.6				34.7	25
HVF 02-06	6	R1/4	12.5	14	16.5	18.0	40.5	10.0	17.6	24.6	12.2	38.6	26.2	18.3	19.0	38.7	25
HVF 03-06		R3/8		17				11.0		25.6		39.6				46.7	25
HVF 01-08		R1/8		14				8.0		21.6		35.6				34.7	25
HVF 02-08	8	R1/4	14.8	14	16.5	18.0	40.5	10.0	18.7	24.6	13.0	38.6	27.5	18.3	19.0	38.7	25
HVF 03-08		R3/8		17				11.0		25.6		39.6				46.7	25
HVF 02-10		R1/4		17				10.0		23.0		39.5				57.2	20
HVF 03-10	10	R3/8	17.5	17	19.3	21.2	41.0	11.0	19.6	24.0	14.5	40.5	31.0	21.5	24.0	61.2	20
HVF 04-10		R1/2		21				14.0		27.0		43.5				80.2	20
HVF 02-12		R1/4		19				10.0		24.6		41.1				69.1	20
HVF 03-12	12	R3/8	20.5	19	19.3	21.2	41.0	11.0	21.9	25.6	17.7	42.1	34.2	21.5	24.0	67.1	20
HVF 04-12		R1/2		21				14.0		28.6		45.1				79.1	20



METRIC-BSPP(G)

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVF G01-06		G1/8		14				8.0		18.6		32.6				32.7	25
HVF G02-06	6	G1/4	12.5	17	16.5	18.0	40.5	10.0	17.6	20.1	12.2	34.1	26.2	18.3	19.0	39.7	25
HVF G03-06		G3/8		20				11.0		20.1		34.1				42.7	25
HVF G01-08		G1/8		14				8.0		18.6		32.6				33.7	25
HVF G02-08	8	G1/4	14.8	17	16.5	18.0	40.5	10.0	18.7	20.1	13.0	34.1	27.5	18.3	19.0	39.7	25
HVF G03-08		G3/8		20				11.0		20.1		34.1				44.7	25
HVF G02-10		G1/4		17				10.0		18.5		35.0				50.2	20
HVF G03-10	10	G3/8	17.5	20	19.3	21.2	41.0	11.0	19.6	18.5	14.5	35.0	31.0	21.5	24.0	57.2	20
HVF G04-10		G1/2		24				14.0		20.0		36.5				70.2	20
HVF G02-12		G1/4		19				10.0		20.1		36.6				60.1	20
HVF G03-12	12	G3/8	20.5	20	19.3	21.2	41.0	11.0	21.9	20.1	17.7	36.6	34.2	21.5	24.0	61.1	20
HVF G04-12		G1/2		24				14.0		21.6		38.1				73.1	20



INCH-NPT

MODEL	ØD	T	ØP	H(Hex)	ØC	N	E	A	B	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVF 1/4-N1		NPT1/8		9/16				8.5		23.1		37.1				30.7	25
HVF 1/4-N2	1/4	NPT1/4	12.6	9/16	16.5	18.0	40.5	10.5	17.7	25.1	12.5	39.1	26.5	18.3	19.0	38.7	25
HVF 1/4-N3		NPT3/8		11/16				11.5		26.1		40.1				45.7	25
HVF 5/16-N1		NPT1/8		9/16				8.5		23.1		37.1				34.7	25
HVF 5/16-N2	5/16	NPT1/4	14.8	9/16	16.5	18.0	40.5	10.5	19.1	25.1	13.9	39.1	27.9	18.3	19.0	38.7	25
HVF 5/16-N3		NPT3/8		11/16				11.5		26.1		40.1				46.7	25
HVF 3/8-N2		NPT1/4		11/16				10.5		23.5		40.0				54.2	20
HVF 3/8-N3	3/8	NPT3/8	17.5	11/16	19.3	21.2	41.0	11.5	19.7	24.5	14.4	41.0	30.9	21.5	24.0	60.2	20
HVF 3/8-N4		NPT1/2		7/8				14.5		27.5		44.0				77.2	20
HVF 1/2-N2		NPT1/4		3/4				10.5		25.1		41.6				69.0	20
HVF 1/2-N3	1/2	NPT3/8	21.0	3/4	19.3	21.2	41.0	11.5	23.2	26.1	17.8	42.6	34.3	21.5	24.0	74.0	20
HVF 1/2-N4		NPT1/2		7/8				14.5		29.1		45.6				84.0	20

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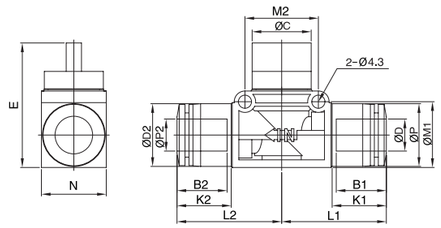
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

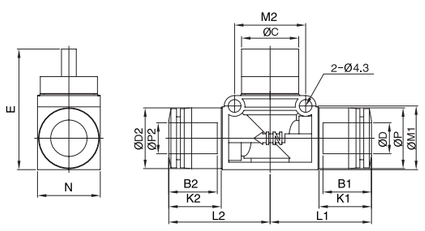
Hand Valves

HVU



METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	ØC	N	E	B1	B2	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVU 06-06	6	6	12.5	12.5	16.5	18.0	40.5	17.6	17.6	12.2	12.2	26.2	26.2	18.3	19.0	23.4	25
HVU 08-06	8	6	14.8	12.5	16.5	18.0	40.5	18.7	17.6	13.0	12.2	27.5	26.2	18.3	19.0	23.4	25
HVU 08-08		8		14.8					18.7		13.0		27.5			24.4	25
HVU 10-08	10	8	17.5	14.8	19.3	21.2	41.0	19.6	18.7	14.5	13.0	31.0	27.5	21.5	24.0	37.9	20
HVU 10-10		10		17.5					19.6		14.5		31.0			38.4	20
HVU 12-10	12	10	20.5	17.5	19.3	21.2	41.0	21.9	19.6	17.7	14.5	34.2	31.0	21.5	24.0	41.3	20
HVU 12-12		12		20.5					21.9		17.7		34.2			46.2	20

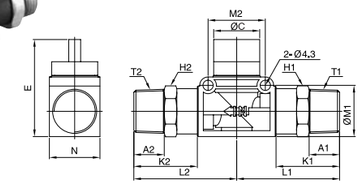


INCH

MODEL	ØD1	ØD2	ØP1	ØP2	ØC	N	E	B1	B2	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVU 1/4-1/4	1/4	1/4	12.6	12.6	16.5	18.0	40.5	17.7	17.7	12.5	12.5	26.5	26.5	18.3	19.0	22.4	25
HVU 5/16-1/4	5/16	1/4	14.8	12.6	16.5	18.0	40.5	19.1	17.7	13.9	12.5	27.9	26.5	18.3	19.0	23.4	25
HVU 5/16-5/16		5/16		14.8					19.1	13.9	13.9		27.9			24.4	25
HVU3/8-5/16	3/8	5/16	17.5	14.8	19.3	21.2	41.0	19.7	19.1	14.4	13.9	30.9	27.9	21.5	24.0	37.9	20
HVU3/8-3/8		3/8		17.5					19.7	14.4	14.4		30.9			40.4	20
HVU1/2-3/8	1/2	3/8	21.0	17.5	19.3	21.2	41.0	23.2	19.7	17.8	14.4	34.3	30.9	21.5	24.0	41.2	20
HVU1/2-1/2		1/2		21.0					23.2	17.8	17.8		34.3			47.0	20

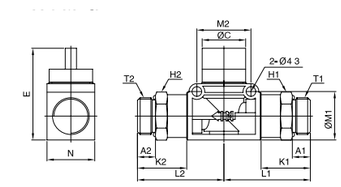
Hand Valves

HVM



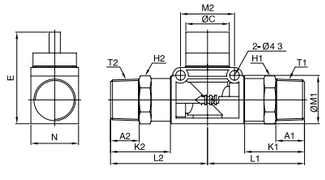
BSPT(R)-BSPT(R)

MODEL	T1	T2	H1(Hex)	H2(Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVM01-01	R1/8	R1/8	14	14	16.5	18.0	40.5	8.0	8.0	21.6	21.6	35.6	35.6	18.3	19.0	45.0	25
HVM02-01	R1/4	R1/8	14	14	16.5	18.0	40.5	10.0	8.0	24.6	21.6	38.6	35.6	18.3	19.0	48.0	25
HVM02-02		R1/4		14				10.0	10.0		24.6		38.6			52.0	25
HVM03-02	R3/8	R1/4	17	17	19.3	21.2	41.0	11.0	10.0	24.0	24.6	40.5	38.6	21.5	24.0	80.0	20
HVM03-03		R3/8		17				11.0	11.0		24.0		40.5			83.0	20
HVM04-03	R1/2	R3/8	21	19	19.3	21.2	41.0	14.0	11.0	28.6	24.0	45.1	40.5	21.5	24.0	102.0	20
HVM04-04		R1/2		21				14.0	14.0		28.6		45.1			116.0	20



BSPP(G)-BSPP(G)

MODEL	T1	T2	H1(Hex)	H2(Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVM G01-G01	G1/8	G1/8	14	14	16.5	18.0	40.5	5.0	5.0	18.6	18.6	32.6	32.6	18.3	19.0	42.0	25
HVM G02-G01	G1/4	G1/8	17	14	16.5	18.0	40.5	6.5	5.0	20.1	18.6	34.1	32.6	18.3	19.0	49.0	25
HVM G02-G02		G1/4		17					6.5		20.1		34.1			57.0	25
HVM G03-G02	G3/8	G1/4	20	17	19.3	21.2	41.0	6.5	6.5	18.5	18.5	35.0	35.0	21.5	24.0	69.0	20
HVM G03-G03		G3/8		20					6.5		18.5		35.0			75.0	20
HVM G04-G03	G1/2	G3/8	24	20	19.3	21.2	41.0	8.0	6.5	21.6	20.1	38.1	36.6	21.5	24.0	90.0	20
HVM G04-G04		G1/2		24					8.0		21.6		38.1			100.0	20



NPT-NPT

MODEL	T1	T2	H1(Hex)	H2(Hex)	ØC	N	E	A1	A2	K1	K2	L1	L2	M1	M2	WEIGHT(g)	BOX(EA)
HVM N1-N1	NPT1/8	NPT1/8	9/16	9/16	16.5	18.0	40.5	8.5	8.5	23.1	23.1	37.1	37.1	18.3	19.0	40.0	25
HVM N2-N1	NPT1/4	NPT1/8	9/16	9/16	16.5	18.0	40.5	10.5	8.5	25.1	23.1	39.1	37.1	18.3	19.0	47.0	25
HVM N2-N2		NPT1/4		9/16					10.5	24.6	24.6		39.1			54.0	25
HVM N3-N2	NPT3/8	NPT1/4	11/16	11/16	19.3	21.2	41.0	11.5	10.5	24.5	23.5	41.0	40.0	21.5	24.0	88.0	20
HVM N3-N3		NPT3/8		11/16					11.5	24.5	24.5		40.0			92.0	20
																	20
																	20

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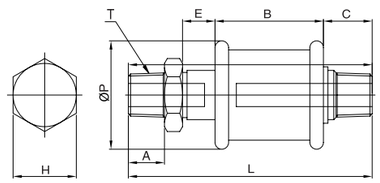
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Hand Slide Valves

HSV



METRIC-BSPT(R)

MODEL	ØP	T	L	E	C	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
HSV M5	19.0	M5×0.8p	45.0	6.0	7.0	4.1	23.0	9	2.6	24.0	50
HSV 01	24.0	R1/8	54.0	7.2	10.8	8.0	24.0	14	5.0	45.0	25
HSV 02	30.0	R1/4	73.5	7.7	12.8	10.0	38.0	17	8.0	112.0	12
HSV 03	41.0	R3/8	83.0	8.0	14.0	11.0	44.0	27	10.0	276.0	6
HSV 04	41.0	R1/2	89.0	8.0	17.0	14.0	44.0	27	13.0	270.0	6
HSV 06	49.0	R3/4	104.5	12.5	18.0	15.0	48.0	32	18.8	407.0	3

FAMCO
هایپرصنعت

Stop Fittings

Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings

METRIC-BSPT(R)

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METRIC-BSPP(G)

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@famco_group
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Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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FAMCO
هایپرصنعت

Stop Fitting

Applications

- Used in the place where pneumatic piping frequently changes.

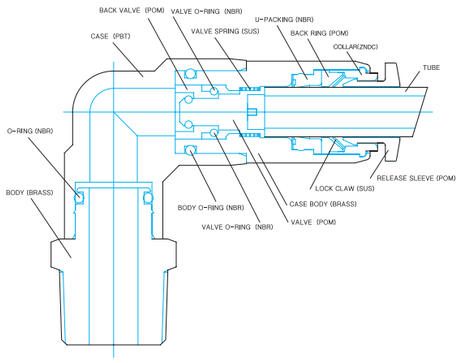
Features

- Air is completely blocked when the tube is released, and the air flows again only after connection to ensure safety. The air flows only when the tube is connected.

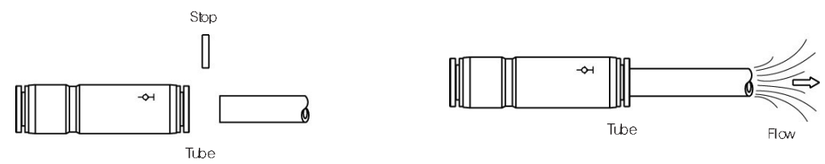
Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure :0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
- Negative pressure: -29.5 in Hg / -750mmHg(-750Torr)
- Working temperature: 32~140° F / 0~60° C
- Applicable Tube: Polyurethane and Nylon

Structural Diagram



Control System



⚠ CAUTION

- Be sure to refer to the Caution on Safety, Classification of Warning Indication (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.
- Confirm the air flow control direction before connecting the tube. If the flow control direction operates backwards, air will not flow.

⚠ WARNING

- Do not force impact or rotation on the body or fitting section.
- Never open the tube under pressure. The springing power of the tube may cause bodily harm.

Product Code System

METRIC - BSPT(R)

SPC 06-01

STOP FITTING | Tube Dia | Thread Size

CODE	ΦD
04	Φ4
06	Φ6
08	Φ8
10	Φ10
12	Φ12

CODE	SIZE
M5	M5×0.8
M6	M6×1.0
01	R1/8
02	R1/4
03	R3/8
04	R1/2

METRIC - BSPP(G)

SPC 06 - G01

STOP FITTING | Tube Dia | Thread Size

CODE	ΦD
04	Φ4
06	Φ6
08	Φ8
10	Φ10
12	Φ12

CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

INCH - NPT

SPC 1/4 - N1

STOP FITTING | Tube Dia | Thread Size

CODE	ØD
5/32	5/32″
3/16	3/16″
1/4	1/4″
5/16	5/16″
3/8	3/8″
1/2	1/2″

CODE	SIZE
U	10-32UNF
N1	NPT1/8
N2	NPT1/4
N3	NPT3/8
N4	NPT1/2

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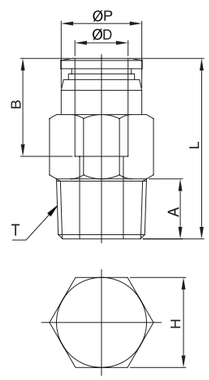
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Stop Fittings

SPC

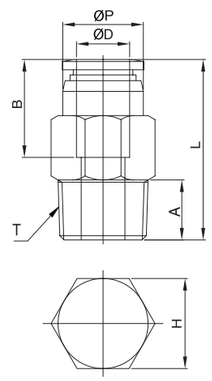
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPC 04-01	4	10.0	R1/8	26.1	8.0	15.3	10	10.8	100
SPC 06-01	6	12.0	R1/8	28.8	8.0	17.0	12	12.8	100
SPC 06-02			R1/4		10.0		14	20.8	50
SPC 08-02	8	14.0	R1/4	33.3	10.0	18.6	14	19.7	50
SPC 08-03			R3/8		11.0		17	38.7	50
SPC 10-02	10	17.0	R1/4	35.6	10.0	20.3	17	28.5	50
SPC 10-03			R3/8		11.0		17	33.5	50
SPC 10-04			R1/2		14.0		21	60.5	50
SPC 12-02	12	18.8	R1/4	41.9	10.0	22.7	19	44.3	50
SPC 12-03			R3/8		11.0		19	58.3	25
SPC 12-04			R1/2		14.0		21	66.3	25



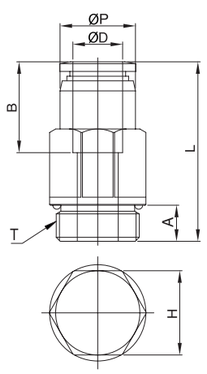
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPC 5/32-N1	5/32	10.0	NPT1/8	26.1	8.5	15.3	7/16	11.8	100
SPC 3/16-N1	3/16	11.0	NPT1/8	27.2	8.5	16.4	7/16	13.8	100
SPC 3/16-N2			NPT1/4	27.2	10.5		9/16	21.8	100
SPC 1/4-N1	1/4	12.7	NPT1/8	29.7	8.5	17.4	1/2	14.8	100
SPC 1/4-N2			NPT1/4	29.7	10.5		9/16	22.8	50
SPC 5/16-N1	5/16	14.0	NPT1/8	33.3	8.5	18.6	9/16	18.7	50
SPC 5/16-N2			NPT1/4	33.3	10.5		9/16	17.7	50
SPC 5/16-N3			NPT3/8	33.3	11.5		11/16	37.7	50
SPC 3/8-N2	3/8	16.7	NPT1/4	36.4	10.5	20.3	11/16	29.4	50
SPC 3/8-N3			NPT3/8	37.6	11.5		11/16	36.4	50
SPC 3/8-N4			NPT1/2	38.4	14.5		7/8	59.4	50
SPC 1/2-N3	1/2	20.6	NPT3/8	45.0	11.5	23.0	7/8	62.1	25
SPC 1/2-N4			NPT1/2	45.0	14.5		7/8	70.1	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPC04-G01	4	10.3	G1/8	25.5	5.0	15.5	12	14.8	100
SPC06-G01	6	12.0	G1/8	27.7	5.0	17.0	12	13.8	100
SPC06-G02			G1/4	27.2	6.5		15	23.8	50
SPC08-G02	8	14.0	G1/4	31.9	6.5	18.6	15	22.7	50
SPC08-G03			G3/8	31.9	6.5		17	34.7	50
SPC10-G02	10	17.0	G1/4	34.9	6.5	20.3	17	30.5	50
SPC10-G03			G3/8	36.4	6.5		17	35.5	50
SPC10-G04			G1/2	37.4	8.0		21	57.5	50
SPC12-G02	12	18.8	G1/4	43.3	6.5	22.7	19	49.3	50
SPC12-G03			G3/8	43.3	6.5		21	62.3	25
SPC12-G04			G1/2	43.8	8.0		21	64.3	25

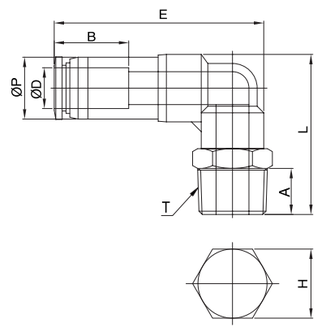


Stop Fittings

SPL

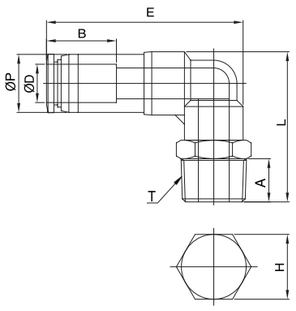
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPL04-M5	4	10.0	M5×0.8p	27.3	34.5	4.6	15.3	10	15.8	100
SPL04-M6			M6×1.0p	26.9		4.1		10	15.8	100
SPL04-01			R1/8	29.8		8.0		10	19.8	50
SPL06-M5	6	12.0	M5×0.8p	30.3	38.9	4.6	17.0	12	19.8	50
SPL06-01			R1/8	32.8		8.0		12	20.8	50
SPL06-02			R1/4	35.8		10.0		14	30.8	50
SPL08-01	8	14.0	R1/8	38.2	48.6	8.0	18.6	14	31.7	50
SPL08-02			R1/4	41.2		10.0		14	38.7	50
SPL10-02	10	17.0	R1/4	40.3	55.0	10.0	20.3	17	55.5	25
SPL10-03			R3/8	41.3		11.0		17	65.5	25
SPL10-04			R1/2	44.3		14.0		21	89.5	25
SPL12-03	12	18.8	R3/8	45.7	63.7	11.0	22.7	19	83.3	25
SPL12-04			R1/2	48.7		14.0		21	106.3	25



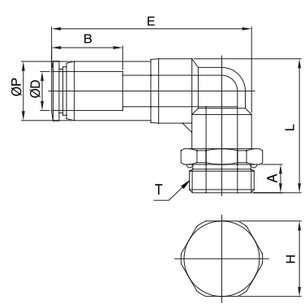
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPL5/32-U	5/32	10.0	UNF10/32	26.7	34.5	3.5	15.3	7/16	15.8	100
SPL5/32-N1			NPT1/8	30.3		8.5		7/16	19.8	50
SPL3/16-U	3/16	11.0	UNF10/32	27.2	35.4	3.5	16.4	7/16	19.8	100
SPL3/16-N1			NPT1/8	30.8		8.5		7/16	20.8	50
SPL3/16-N2			NPT1/4	33.8		10.5		9/16	30.8	50
SPL1/4-U	1/4	12.6	UNF10/32	32.4	39.2	3.5	17.4	1/2	22.8	100
SPL1/4-N1			NPT1/8	34.3		8.5		1/2	24.8	50
SPL1/4-N2			NPT1/4	37.2		10.5		9/16	31.8	50
SPL5/16-N1	5/16	14.0	NPT1/8	36.7	49.6	8.5	18.6	9/16	29.7	50
SPL5/16-N2			NPT1/4	38.7		10.5		9/16	36.7	50
SPL5/16-N3			NPT3/8	39.7		11.5		11/16	47.7	50
SPL3/8-N2	3/8	17.0	NPT1/4	40.8	56.8	10.5	20.3	11/16	56.4	25
SPL3/8-N3			NPT3/8	41.8		11.5		11/16	66.4	25
SPL3/8-N4			NPT1/2	44.8		14.5		7/8	76.4	25
SPL1/2-N3	1/2	20.0	NPT3/8	47.0	65.8	11.5	23.0	3/4	82.1	25
SPL1/2-N4			NPT1/2	50.0		14.5		7/8	103.1	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SPL04-G01	4	10.0	G1/8	26.8	34.5	5.0	15.3	14	18.8	100
SPL06-G01	6	12.0	G1/8	29.8	38.9	5.0	17.0	14	22.8	100
SPL06-G02			G1/4	31.8	38.9	6.5		17	29.8	50
SPL08-G02	8	14.0	G1/4	37.2	48.6	6.5	18.6	17	37.7	50
SPL08-G03			G3/8	36.7	48.6	6.5		20	41.7	50
SPL10-G02	10	17.0	G1/4	31.8	55.0	6.5	20.3	17	49.5	50
SPL10-G03			G3/8	35.8	55.0	6.5		20	56.5	50
SPL10-G04			G1/2	37.3	55.0	8.0		24	68.5	25
SPL12-G03	12	18.8	G3/8	40.2	63.7	6.5	22.7	20	71.3	25
SPL12-G04			G1/2	41.7	63.7	8.0		24	84.3	25



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E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
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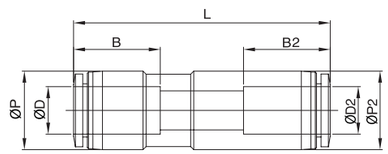
Stop Fittings

SPU

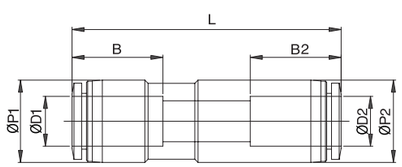
METRIC

MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
SPU 04	4	10.5	42.1	15.7	6.6	50
SPU 06	6	12.5	46.0	17.0	7.4	50
SPU 08	8	14.8	53.7	19.1	12.4	50
SPU 10	10	17.5	58.2	20.2	21.4	50
SPU 12	12	20.5	67.1	22.7	35.2	25



INCH

MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
SPU 5/32	5/32	10.5	42.1	15.7	6.6	50
SPU 3/16	3/16	11.5	43.5	16.4	7.4	50
SPU 1/4	1/4	13.0	46.9	17.4	8.4	50
SPU 5/16	5/16	14.8	53.7	19.1	12.4	50
SPU 3/8	3/8	17.5	58.4	20.3	21.4	50
SPU 1/2	1/2	21.0	67.7	23.0	36.0	25



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Check Valves

Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings

METRIC-BSPT(R)



METRIC-BSPP(G)


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E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

FAMCO
هایپرصنعت

Check Valves

Applications

- Used in places where air should flow in one direction only.
- Used in places where the air pressure of the ventilation section should be kept uniform.
- Good for low pressure devices.

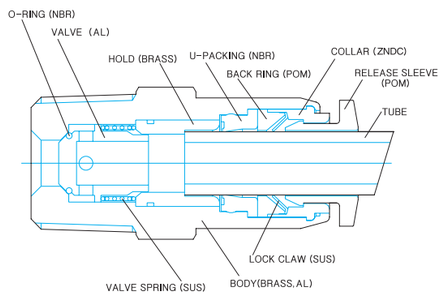
Features

- Suitable for low pressure applications.
- This valve allows compressed air from one side flow and blocks the inverse flow to protect and maintain the vacuum line and is easily applied to low pressure piping.

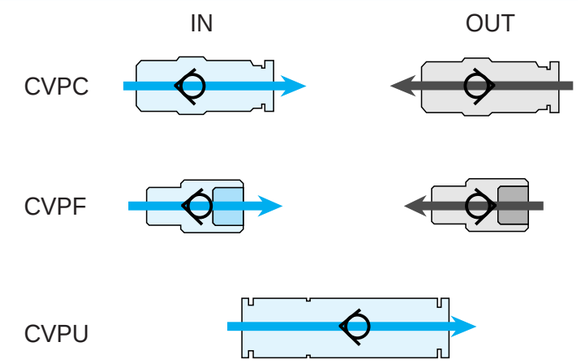
Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure: 0~150PSI /0~9.9Kgf/㎠(0~990kPa)
- Negative pressure : −29.5 in Hg /−750mmHg(−750Torr)
- Working temperature: 32~140° F / 0~60° C
- Applicable Tube: Polyurethane and Nylon

Structural Diagram



Applied example



⚠ CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.

⚠ WARNING

- Do not force impact or rotation on the body or fitting section.
- The main body may heat due to too many transfer operations, and it may burn.

Product Code System

METRIC - BSPT(R)

CVPC 08−01

CHECK VALVES

Tube Dia

CODE	ΦD
04	Φ4
06	Φ6
08	Φ8
10	Φ10
12	Φ12

Thread Size

CODE	SIZE
M5	M5 ×0.8
01	R1/8
02	R1/4
03	R3/8
04	R1/2

Sleeve color

OUT	BLUE
IN	RED

METRIC - BSPP(G)

CVPC 08−G1

CHECK VALVES

Tube Dia

CODE	ΦD
04	Φ4
06	Φ6
08	Φ8
10	Φ10
12	Φ12

Thread Size

CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Sleeve color

OUT	BLUE
IN	RED

INCH - NPT

CVPC 5/16−N1

CHECK VALVES

Tube Dia

CODE	SIZE
1/4	1/4″
5/16	5/16″
3/8	3/8″
1/2	1/2″

Thread Size

CODE	SIZE
N1	NPT1/8
N2	NPT1/4
N3	NPT3/8
N4	NPT1/2

Sleeve color

OUT	BLUE
IN	RED

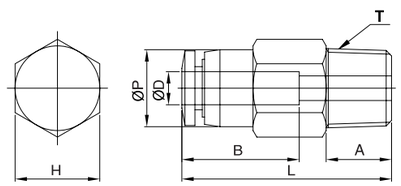
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Check Valves

CVPC

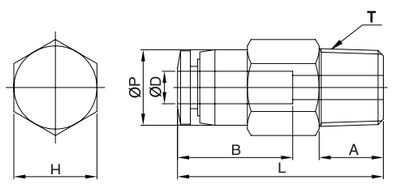
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
CVPC 04-M5	4	10.0	M5×0.8p	31.4	3.6	15.3	10	11.8	100
CVPC 04-M6			M6×1.0p	30.4	4.6	15.3	10	11.8	100
CVPC 04-01			R1/8	27.3	8.0	15.3	10	9.8	100
CVPC 06-01	6	11.9	R1/8	32.6	8.0	16.3	12	12.8	100
CVPC 06-02			R1/4	32.6	10.0	16.3	14	19.8	50
CVPC 08-01	8	14.0	R1/8	34.9	8.0	18.3	14	18.7	50
CVPC 08-02			R1/4	37.2	10.0	18.3	14	20.7	50
CVPC 10-03	10	23.0	R3/8	56.3	11.0	20.3	22	45.5	25
CVPC 10-04			R1/2	58.3	14.0	20.3	22	63.5	25
CVPC 12-03	12	25.0	R3/8	62.3	12.0	23.3	24	48.3	20
CVPC 12-04			R1/2	65.3	14.0	23.3	24	68.3	20



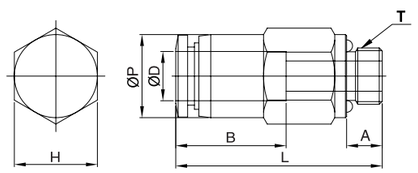
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
CVFC5/32-U	5/32	10.0	UNF10/32	31.4	3.6	15.3	3/8	11.8	100
CVFC5/32-N1			NPT1/8	27.3	8.5	15.3	7/16	10.8	100
CVFC3/16-U	3/16	11.0	UNF10/32	32.5	3.6	16.4	7/16	11.8	100
CVFC3/16-N1			NPT1/8	28.4	8.5	16.4	7/16	13.8	100
CVFC3/16-N2			NPT1/4	28.4	10.5	16.4	9/16	19.8	100
CVFC1/4-N1	1/4	12.7	NPT1/8	33.0	8.5	17.4	1/2	17.8	100
CVFC1/4-N2			NPT1/4	33.0	10.5	17.4	9/16	21.8	50
CVFC5/16-N1	5/16	14.0	NPT1/8	34.9	8.5	18.6	9/16	20.7	50
CVFC5/16-N2			NPT1/4	37.2	11.5	18.6	9/16	22.7	50
CVFC3/8-N3	3/8	23.0	NPT3/8	56.3	11.5	20.3	7/8	45.4	20
CVFC3/8-N4			NPT1/2	58.3	14.5	20.3	7/8	63.4	20
CVFC1/2-N3	1/2	25.0	NPT3/8	62.5	12.5	23.5	15/16	48.1	20
CVFC1/2-N4			NPT1/2	65.5	14.5	23.5	15/16	68.1	20



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
CVFC04-G01	4	10.0	G1/8	26.3	5.0	15.3	10	11.8	100
CVFC06-G01	6	11.9	G1/8	31.6	5.0	17.0	12	15.8	100
CVFC06-G02	6	11.9	G1/4	32.1	6.5	17.0	15	25.8	50
CVFC08-G01	8	14.0	G1/8	33.8	5.0	18.6	14	16.7	50
CVFC08-G02	8	14.0	G1/4	36.7	6.5	18.6	15	25.7	50
CVFC10-G03	10	23.0	G3/8	52.5	6.5	20.3	22	33.5	20
CVFC10-G04	10	23.0	G1/2	54.3	8.0	20.3	24	39.5	20
CVFC12-G03	12	25.0	G3/8	57.5	6.5	23.3	24	41.3	20
CVFC12-G04	12	25.0	G1/2	59.3	8.0	23.3	24	44.3	20

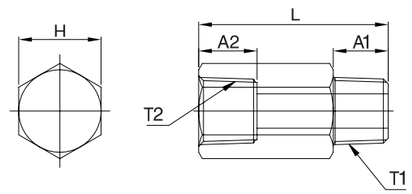


Check Valves

CVPF

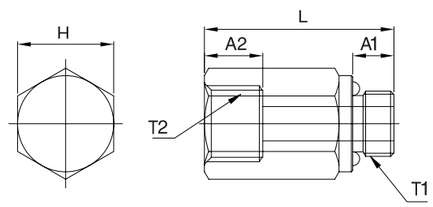
BSPT(R)-BSPT(R)

MODEL	T1	T2	L	A1	A2	H(Hex)	WEIGHT(g)	BOX(EA)
CVPF 01-01	R1/8	Rc1/8	28.1	8.0	8.0	12	16.0	100
CVPF 02-02	R1/4	Rc1/4	34.1	11.0	11.0	17	39.0	50
CVPF 03-03	R3/8	Rc3/8	53.8	12.0	12.0	22	107.0	25
CVPF 04-04	R1/2	Rc1/2	61.0	14.0	14.0	24	130.0	25



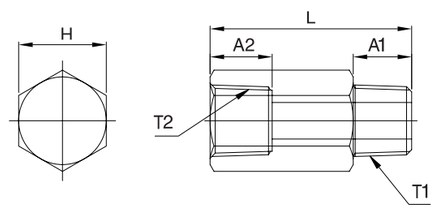
BSPP(G)-BSPP(G)

MODEL	T1	T2	L	A1	A2	H(Hex)	WEIGHT(g)	BOX(EA)
CVPF G01-G01	G1/8	G1/8	26.6	5.0	8.0	14	24.0	100
CVPF G02-G02	G1/4	G1/4	33.1	6.5	10.0	17	40.0	100
CVPF G03-G03	G3/8	G3/8	49.0	6.5	11.0	22	102.0	25
CVPF G04-G04	G1/2	G1/2	55.7	8.0	14.0	24	121.0	25



NPT-NPT

MODEL	T1	T2	L	A1	A2	H(Hex)	WEIGHT(g)	BOX(EA)
CVPF N1-N1	NPT1/8	NPT1/8	28.1	8.5	8.5	1/2	19.0	100
CVPF N2-N2	NPT1/4	NPT1/4	34.1	10.5	10.5	11/16	40.0	50
CVPF N3-N3	NPT3/8	NPT3/8	53.8	12.5	11.5	7/8	110.0	25
CVPF N4-N4	NPT1/2	NPT1/2	61.0	14.5	14.5	15/16	135.0	25

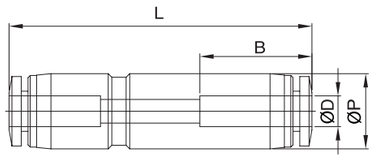


Check Valves

CVPU

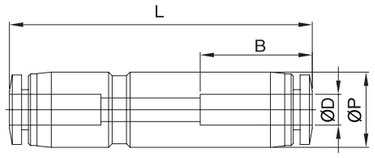
METRIC

MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
CVPU 04	4	10.5	42.3	15.7	5.6	100
CVPU 06	6	12.5	47.5	17.0	8.4	100
CVPU 08	8	14.8	56.4	19.1	13.4	50
CVPU 10	10	23.0	65.2	20.3	16.4	25
CVPU 12	12	25.0	73.0	23.3	31.2	25



INCH

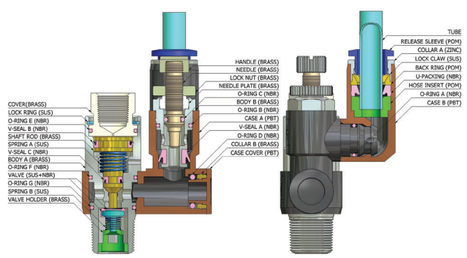
MODEL	ØD	ØP	L	B	WEIGHT(g)	BOX(EA)
CVPU 5/32	5/32	10.5	42.3	15.7	5.6	100
CVPU 3/16	3/16	11.5	44.2	16.9	7.4	100
CVPU 1/4	1/4	13.0	48.4	17.4	8.4	50
CVPU 5/16	5/16	14.8	56.4	19.1	13.4	50
CVPU 3/8	3/8	23.0	65.3	20.3	43.4	25
CVPU 1/2	1/2	25.0	73.4	23.5	58.0	25



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Speed Controller with Pilot Check Valves

Structural Diagram



Applications

- Realizes momentary intermediate stoppage of a cylinder and able to adjust speed control of it.

Features

- Combined with pilot check valve and speed controller.
- Enables 360° free direction of tubing mount.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure : 1.4~150PSI / 1~9.9Kgf / (100~990kPa)
- Negative pressure : −29.5 in Hg / −750mmHg(−750Torr)
- Working temperature : 32~140°F / 0~60℃
- Applicable Tube : Polyurethane and Nylon

Product Code System

METRIC - BSPT(R)

PVSC 06−01

Speed Controller with Pilot Check Valve Fitting

Tube Dia

CODE	ØD
06	Ø6
08	Ø8
10	Ø10
12	Ø12

Thread Size

CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

METRIC - BSPP(G)

PVSC 06−G01

Speed Controller with Pilot Check Valve Fitting

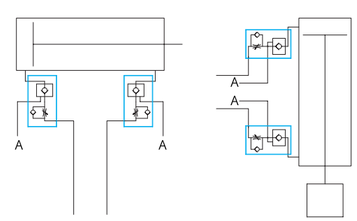
Tube Dia

CODE	ØD
06	Ø6
08	Ø8
10	Ø10
12	Ø12

Thread Size

CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Applied example



Allow emergent stop at optional position controlled by 'A'

Protect falling-down of the rod of cylinder in the off state

⚠ CAUTION

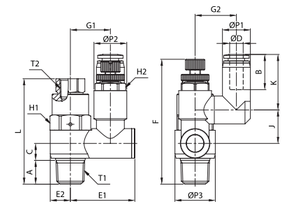
- Be sure to refer to Caution on Safety, Classification of Warning Indications, and Common Precaution of Fitting Products before use.
- Assemble the fitting according to the proper connection torque value.
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.

⚠ WARNING

- Do not force impact or rotation on the body or fitting section.
- The main body may heat due to too many transfer operations, and it may burn.

PVSC

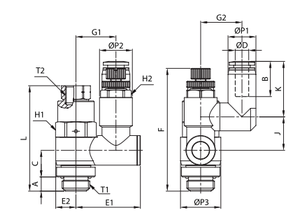
Metric-BSPT(R)



MODEL	ØD	A	T1	T2	B	ØP1	ØP2	ØP3	C	L	E1	E2	F(Min)	F(Max)	G1	G2	J	K	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
PVSC 06-01	6	8.5	R 1/8	M5	16.4	12.5	12.0	14.2	7.6	41.0	24.2	7.1	50.6	55.4	14.3	14.2	12.9	24.0	12	10	39.6	20
PVSC 06-02	6	11.1	R 1/4	Rc1/8	16.4	13.0	15.3	18.8	7.9	49.1	30.1	9.4	57.1	61.9	18.7	19.3	15.6	25.9	17	13	71.4	20
PVSC 08-01	8	8.5	R 1/8	M5	18.3	14.8	12.0	14.2	7.9	41.0	24.2	7.1	50.6	55.4	14.3	15.4	12.6	24.9	12	10	41.6	20
PVSC 08-02	8	11.1	R 1/4	Rc1/8	18.3	14.8	15.3	18.8	7.6	49.1	30.1	9.4	57.1	61.9	18.7	18.3	15.9	28.3	17	13	76.4	20
PVSC 08-03	8	11.9	R 3/8	Rc1/8	18.3	15.0	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	29.3	19	17	128.9	9
PVSC 10-03	10	11.9	R 3/8	Rc1/8	20.2	17.5	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	31.7	19	17	130.9	9
PVSC 10-04	10	14.9	R 1/2	Rc1/4	20.2	17.5	27.2	28.7	13.1	70.8	47.4	14.4	81.3	87.0	29.1	26.3	25.6	33.1	24	23	244.6	6
PVSC 12-03	12	11.9	R 3/8	Rc1/8	22.9	20.5	20.2	23.0	10.6	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	34.4	19	17	138.9	6
PVSC 12-04	12	14.9	R 1/2	Rc1/4	22.9	20.5	27.2	28.7	13.1	70.8	47.4	14.4	81.3	87.0	29.1	26.3	25.6	35.8	24	23	234.6	6

PVSC-G

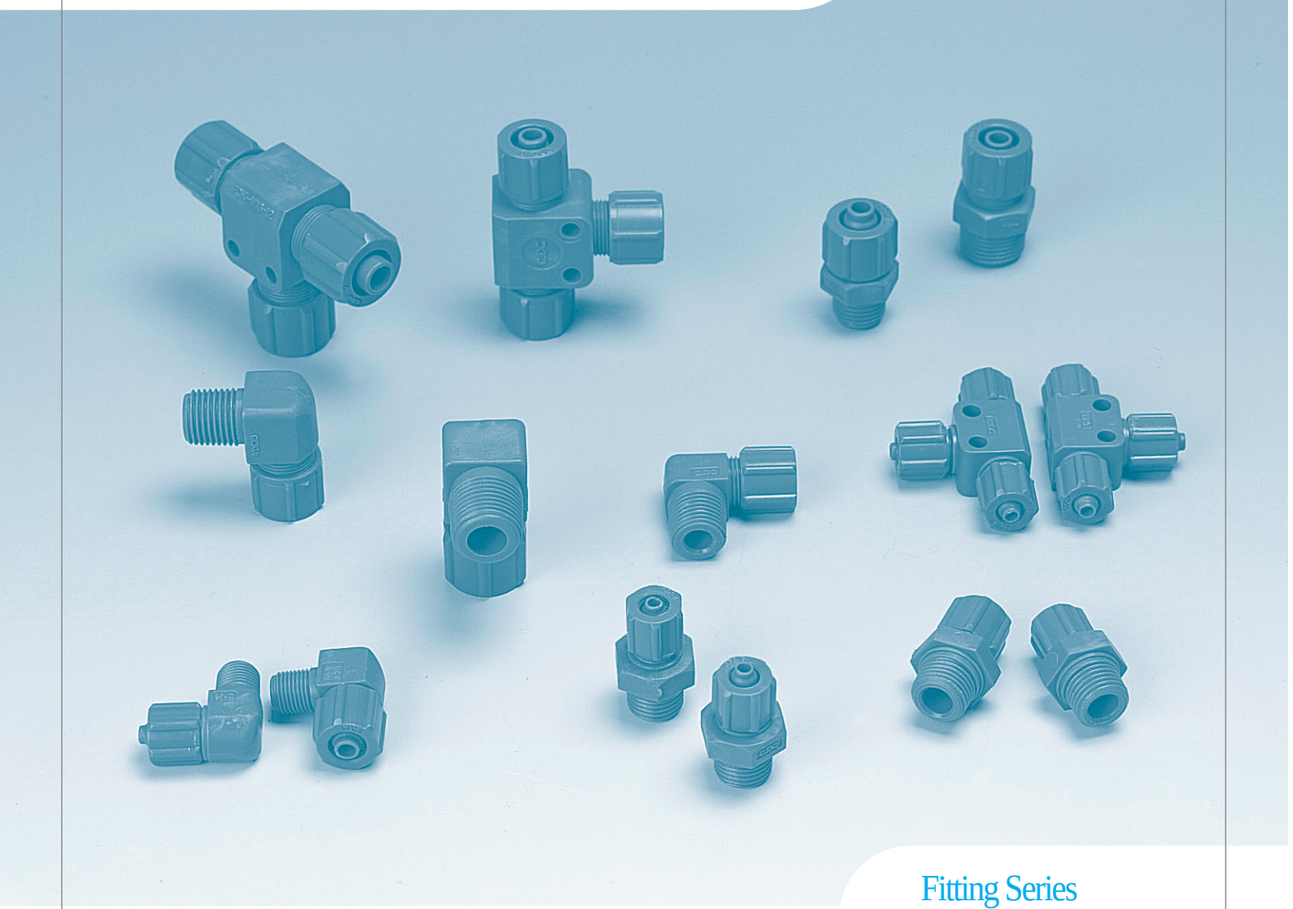
Metric-BSPP(G)



MODEL	ØD	A	T1	T2	B	ØP1	ØP2	ØP3	C	L	E1	E2	F(Min)	F(Max)	G1	G2	J	K	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
PVSC 06-G01	6	5.1	G1/8	M5	16.4	12.5	12.0	14.2	10.9	41.0	24.2	7.1	50.6	55.4	14.3	14.2	12.9	24.0	12	10	44.6	20
PVSC 06-G02	6	6.6	G1/4	G1/8	16.4	13.0	15.3	18.8	12.4	49.1	30.1	9.4	57.1	61.9	18.7	19.3	15.6	25.9	17	13	79.4	20
PVSC 08-G01	8	5.1	G1/8	M5	18.3	14.8	12.0	14.2	10.9	41.0	24.2	7.1	50.6	55.4	14.3	15.4	12.6	24.9	12	10	42.6	20
PVSC 08-G02	8	6.6	G1/4	G1/8	18.3	14.8	15.3	18.8	12.4	49.1	30.1	9.4	57.1	61.9	18.7	18.3	15.9	28.3	17	13	80.4	20
PVSC 08-G03	8	7.2	G3/8	G1/8	18.3	15.0	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	29.3	19	17	124.9	9
PVSC 10-G03	10	7.2	G3/8	G1/8	20.2	17.5	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	31.7	19	17	137.9	9
PVSC 10-G04	10	8.7	G1/2	G1/4	20.2	17.5	27.2	28.7	19.3	70.8	47.4	14.4	81.3	78.5	29.1	26.3	25.6	33.1	24	23	252.6	6
PVSC 12-G03	12	7.2	G3/8	G1/8	22.9	20.5	20.2	23.0	15.3	56.9	37.1	11.5	67.2	72.2	22.8	23.3	19.1	34.4	19	17	145.9	6
PVSC 12-G04	12	8.7	G1/2	G1/4	22.9	20.5	27.2	28.7	19.3	70.8	47.4	14.4	81.3	78.5	29.1	26.3	25.6	35.8	24	23	238.6	6

FAMCO
هایپرصنعت

Two-Touch Fittings



Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings

Two -Touch Fittings

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پـارس، پلاک ۱۲

Two-Touch Fittings

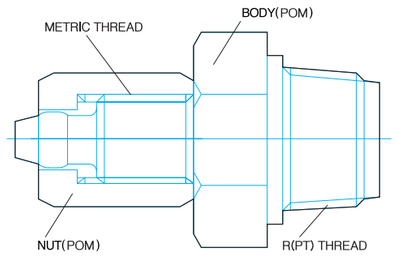
Application
- A nut tightening pipe connection tool for devices that use pneumatic piping.

Features
- The connection method is nut tightening and efficient in environments with vibration.
- Made from plastics to be semi-permanent, has good tolerance to corrosion and chemicals.
- Suited for low air pressure devices.

Specifications
- Fluid type : Air(No other gases or liquids)
- Working pressure: 0~150PSI / 0~9.9Kgf/㎠(0~990kPa)
- Negative pressure: -29.5 in Hg / -750mmHg(-750Torr)
- Working temperature: 32~140° F / 0~60° C
- Applicable Tube: Polyurethane and Nylon

⚠ CAUTION
- Be sure to refer to Caution Safety, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- The product is made from plastics and the screw section is not treated with Teflon coating so that a Teflon tape treatment before installation can be efficient to prevent air leakage.
- Be sure to prevent pressure build up due to twisting, pulling, and bending of the fitting product. It may cause product damage or air leakage.
- To connect the tube, insert the tube to the end, and join the cap before use.
- Cut the pressed part of the tube before connection for reuse of the released tube.
- Be sure to prevent excessive pressure when tightening the screw because the product is made from plastics.

Structural Diagram



Product Code System

METRIC - BSPT(R)

CK 06-01

- CK: Two-Touch Fitting
- 06: Tube Dia.
- 01: Thread Size

Tube Dia.

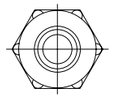
CODE	OD	ID
04	Ø4	Ø2.5
06	Ø6	Ø4
08	Ø8	Ø5.5
10	Ø10	Ø6.5
12	Ø12	Ø8

Thread Size

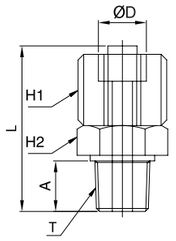
R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8

Two -Touch Fittings

CK

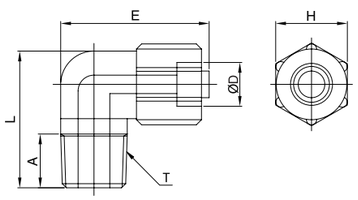


MODEL	ØD	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
CK 06-01	6	R1/8	27.5	7.0	12	13	2.7	100
CK 06-02		R1/4	30.5	9.0		15	4.3	100
CK 08-01	8	R1/8	29.5	9.0	14	14	3.6	100
CK 08-02		R1/4	29.0	9.0		15	4.6	100
CK 08-03		R3/8	31.7	10.2		19	6.5	100
CK 10-02	10	R1/4	33.4	9.2	17	17	6.1	100
CK 10-03		R3/8	34.4	10.2		19	7.5	50
CK 12-02	12	R1/4	39.0	9.2	19	17	7.8	50
CK 12-03		R3/8	41.2	10.2		19	8.7	50



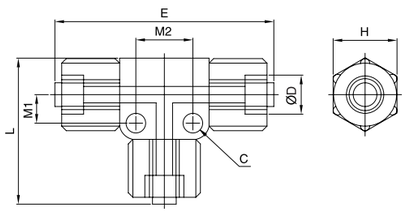
GCK

MODEL	ØD	T	L	E	A	H(Hex)	WEIGHT(g)	BOX(EA)
GCK 06-01	6	R1/8	24.5	26.0	7.0	12	4.1	100
GCK 06-02		R1/4	26.5	29.5	9.0		5.5	100
GCK 08-01	8	R1/8	24.5	25.5	8.0	14	4.8	100
GCK 08-02		R1/4	26.5	29.0	10.0		6.0	100
GCK 08-03		R3/8	27.5	32.5	11.0		9.2	50
GCK 10-02	10	R1/4	30.0	32.0	12.0	17	8.7	50
GCK 10-03		R3/8	31.0	34.7	12.0		10.8	50
GCK 12-02	12	R1/4	32.0	41.5	11.0	19	13.0	50
GCK 12-03		R3/8	34.0	41.5	12.0		14.4	50



FCK

MODEL	ØD	L	E	C	M1	M2	H(Hex)	WEIGHT(g)
FCK 06	6	31.1	48.3	4.3	5.7	11.2	12	50
FCK 08	8	32.0	18.0	4.3	6.6	12.2	14	50
FCK 10	10	40.0	54.0	4.3	8.3	13.4	17	25
FCK 12	12	47.7	68.0	4.3	9.3	13.7	19	20



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Silencers

Product Code System

ST 01

- ST: Silencer
- 01: Thread Size(T)

R(PT) THREAD	
Code	Size
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4
08	R1

Applications

- Installed at exhaust ports to diminish ventilating noise.

Features

- Made from corrosion-resistant plastic to have long durability and be light-weight.
- Low cost and good durability
- Attached to pneumatic exhaust port to diminish noise.
- Very compact, can be easily installed in limited spaces.

Specifications

Code	ST01	ST02	ST03	ST04	ST06	ST08
Maximum working pressure	7kgf/㎠(700Kpa)/100PSI			9.9kgf/㎠(990Kpa)/150PSI		

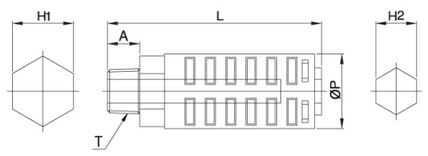
Applied example

- The exterior hexagonal part can be assembled with a spanner for screw joining.
- If the element is blocked, the increasing resistance may cause product damage and system performance may decline. When this happens, replace the product with a new one.

⚠ CAUTION

- Be sure to refer to Caution on Safety, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- If the element is blocked by dust from long use, the increased resistance may cause system performance decline and noise increase. In that case the product should be replaced periodically to prevent product damage.
- The product is made from plastics and the screw section is not treated with Teflon coating so a Teflon tape treatment before installation can be efficient for preventing air leakage.
- Be sure to prevent excessive pressure when tightening the screw because the product is made from plastics.

ST



MODEL	ØP	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
ST-01	10.5	R1/8	35.3	8.0	-	6	1.9	100
ST-02	22.2	R1/4	63.0	9.5	18	12	14.1	40
ST-03	25.0	R3/8	83.2	13.7	21	15	22.2	20
ST-04	30.0	R1/2	88.0	15.5	26	19	31.1	15
ST-06	45.0	R3/4	101.0	16.8	33	-	63.7	6
ST-08	45.0	R1	101.0	16.8	33	-	65.4	6

Metal Silencers

Product Code System

STB 01

- STB: Metal Silencer
- 01: Thread Size(T)

R(PT) THREAD	
Code	Size
M5	M5×0.8
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4
08	R1

Applications

- Metal filters are available for high temperature and pressure environments, and they are durable against impact.
- Easy to weld and used for virtually every industry.

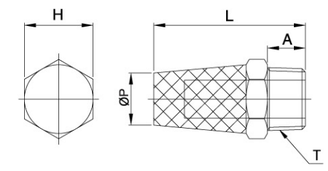
Features

- Excellent noise reduction and filtering effect in dry conditions.

Specifications

	STBM5	STB01	STB02	STB03	STB04	STB06	STB08
Maximum working pressure	15kgf/㎠/220PSI						
Working temperature	0~80°C(32~176°F)						
Flow rate	250	300	320	340	370	400	420

STB



MODEL	ØP	T	L	A	H(Hex)	WEIGHT(g)	BOX(EA)
STB-M5	6	M5	18.6±0.5	4	7	3.3	100
STB-01	8	R1/8	24.5±0.5	7	11	8.6	100
STB-02	10	R1/4	31.5±0.5	9.5	14.5	17.9	100
STB-03	12	R3/8	39.9±0.8	10.5	19	34.1	50
STB-04	15	R1/2	47.3±0.8	12	22	39.8	50
STB-06	19	R3/4	55.8±1	12	28	85.3	25
STB-08	32	R1	70.5±1	14.5	35	168.6	8

Tubes

Tube Series

- Polyurethane tube
- Nylon Tube
- Coil Tube

Tubes

Tubes

Applications

- Used for piping of pneumatic devices.

Features

- Polyester-based thermoplastic Polyurethane resin(TPU)
- Excellent flexibility at low temperatures.
- Light-weight with good tolerance to wear and chemicals.
- Convenient for piping as it has better flexibility than nylon tubes.
- Tubes are available in diverse colors according to the working situation.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure: 0~150PSI / 0~9.9Kgf/㎠(0~990KPa).
- Negative pressure: -29.5in Hg / -750mmHg(-750Torr)
- Working temperature: 32~140°F / 0~60℃

Tube Color Code

COLOR	White	Black	Red	Blue	Yellow	Green	Clear	Silver	Translucent Blue
CODE	WT	BK	RD	BU	YL	GR	CL	SL	TB

Product Code System

Polyurethane Tube

PU 08 50 BK

- PU: Polyurethane Tube
- 08 50: Tube Dia (OD & ID)
- BK: Tube Color

METRIC TUBE

CODE	OD	ID
0320	Ø3	Ø2
0420	Ø4	Ø2
0425	Ø4	Ø2.5
0640	Ø6	Ø4
0850	Ø8	Ø5
0855	Ø8	Ø5.5
1065	Ø10	Ø6.5
1280	Ø12	Ø8
1290	Ø12	Ø9
1612	Ø16	Ø12

INCH TUBE

CODE	OD
1/8	1/8″
5/32	5/32″
3/16	3/16″
1/4	1/4″
5/16	5/16″
3/8	3/8″
1/2	1/2″

Tube Color

COLOR	CODE
White	WHT
Black	BLK
Red	RED
Blue	BLU
Yellow	YEL
Green	GRN
Clear	CLR

Nylon Tube

NA 08 60 BK

- NA: Nylon Tube
- 08 60: Tube Dia (OD & ID)
- BK: Tube Color

METRIC TUBE

CODE	OD	ID
0420	Ø4	Ø2
0425	Ø4	Ø2.5
0640	Ø6	Ø4
0860	Ø8	Ø6
1080	Ø10	Ø8
1290	Ø12	Ø9

Tube Color

COLOR	CODE
White	WHT

Polyurethane Coil Tube

UC 08 50-5 BK

- UC: Polyurethane Coil Tube
- 08 50: Tube Dia (OD & ID)
- 5: Length
- BK: Tube Color

METRIC TUBE

CODE	OD	ID
0640	Ø6	Ø4
0850	Ø8	Ø5
1065	Ø10	Ø6.5
1280	Ø12	Ø8

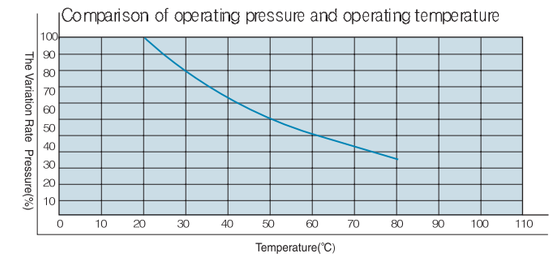
Tube Color

COLOR	CODE
Yellow	YEL

Applied example

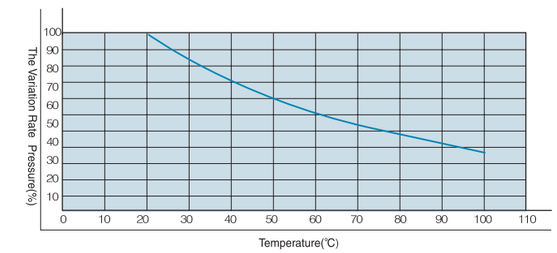
Polyurethane tube

- Refer to the graph, as the maximum operating pressure of polyurethane tubes, varies with the operating temperature.
- The tube operating temperature range is -40℃~80℃. Do not use this product in conditions beyond this range.



Nylon tube

- Refer to the graph, as the maximum operating pressure of nylon tubes, varies with the operating temperature.
- Refer to the maximum operating pressure change rate and do not use this product in conditions beyond this range.



Common caution on tube products

⚠ CAUTION

- Make sure the tube is fully inserted to the end of the fitting. Air leakage and tube release may occur.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.
- Secure the excess tube for future length changes in piping the tube.
- Be sure to fix the tube if the tube release may cause harm to human or property.
- Be sure to refer to Tolerance Data (P208) when using chemicals.

⚠ WARNING

- Do not use on fluids other than air and water (partly available for some products). Contact us for use on other fluids.
- If there is some damage or scratches on the oval shape and tube, air leakage and tube release may occur. Check it out meticulously.
- Water or other fluids at temperatures of 60° or higher may cause hydrolysis due to heat and it can also deform the tube or fitting.
- Do not use the product where weld spatters occur as fire may break out.
- Use caution in water as the product may be damaged by surge pressure.
- Do not use the product where it is directly exposed to fluids such as cutting oil, lubricating oil, and coolant oil.
- Avoid places where electrostatic induction and electrification occur.
- Avoid flammable gases such as oxygen, hydrogen, and LPG.

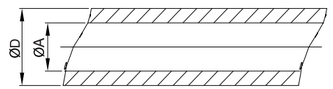
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲

Polyurethane Tube

PU

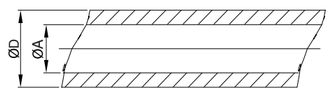
Metric Size

MODEL	ØD	ØA	M	BOX(EA)	COLOR CODE
PU 0320	3.0	2.0	200M	6	WT-White BK-Black RD-Red BU-Blue YL-Yellow GR-Green CL-Clear SL-Silver
PU 0420	4.0	2.0	200M	6	
PU 0425	4.0	2.5	200M	6	
PU 0640	6.0	4.0	100M	6	
PU 0850	8.0	5.0	100M	6	
PU 0855	8.0	5.5	100M	6	
PU 1065	10.0	6.5	100M	3	
PU 1280	12.0	8.0	100M	3	
PU 1290	12.0	9.0	100M	3	
PU 1612	16.0	12.0	100M	3	



Inch Size

MODEL	ØD	ØA	M	BOX(EA)	COLOR CODE
PU 1/8	1/8	2.0	200M	6	WT-White BK-Black RD-Red BU-Blue YL-Yellow GR-Green CL-Clear SL-Silver
PU 5/32	5/32	2.5	200M	6	
PU 3/16	3/16	3.0	100M	6	
PU 1/4	1/4	4.15	100M	6	
PU 5/16	5/16	5.0	100M	3	
PU 3/8	3/8	6.0	100M	3	
PU 1/2	1/2	8.5	100M	3	

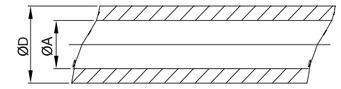


Nylon Tube

NA

Metric Size

MODEL	ØD	ØA	M	BOX(EA)
NA 0420	4.0	2.0	200M	6
NA 0425	4.0	2.5	200M	6
NA 0640	6.0	4.0	100M	6
NA 0860	8.0	6.0	100M	6
NA 1080	10.0	8.0	100M	3
NA 1290	12.0	9.0	100M	3



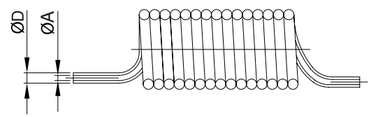
Polyurethane Coil Tube

UC

Metric Size

MODEL	ØD	ØA	M	COLOR CODE	Note
UC 0640-3	6.0	4.0	3M	YL-Yellow	※w/o Coupler
UC 0640-5	6.0	4.0	5M		
UC 0850-5	8.0	5.0	5M		
UC 0850-7.5	8.0	5.0	7.5M		
UC 0850-10	8.0	5.0	10M		
UC 1065-5	10.0	6.5	5M		
UC 1065-7.5	10.0	6.5	7.5M		
UC 1065-10	10.0	6.5	10M		
UC 1280-5	12.0	8.0	5M		
UC 1280-7.5	12.0	8.0	7.5M		
UC 1280-10	12.0	8.0	10M		

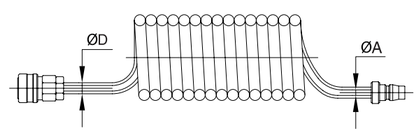
※Colors above are chosen by the customer.



Metric Size

MODEL	ØD	ØA	M	COLOR CODE	Note
UC 0850-5	8.0	5.0	5M	YL-Yellow	※with Coupler
UC 0850-7.5	8.0	5.0	7.5M		
UC 0850-10	8.0	5.0	10M		
UC 1065-5	10.0	6.5	5M		
UC 1065-7.5	10.0	6.5	7.5M		
UC 1065-10	10.0	6.5	10M		
UC 1280-5	12.0	8.0	5M		
UC 1280-7.5	12.0	8.0	7.5M		
UC 1280-10	12.0	8.0	10M		

※Colors above are chosen by the customer.



Air Guns

Applications

- Used for washing machinery, or cleaning places where out of reach.

Features

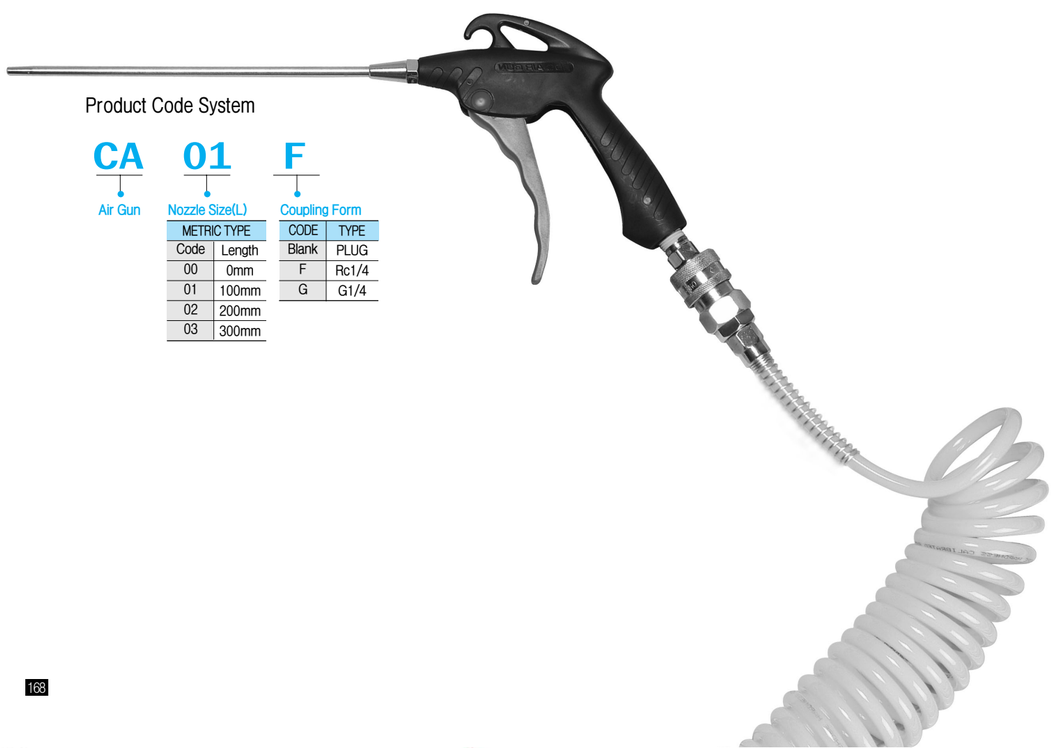
- Simple design.
- Easy to control air injection amount for user's convenience.
- Universally used due to the various length nozzles.
- Made from engineering plastic to be light and impact-resistant.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure: 0~150PSI / 0~9.9Kgf/㎠(0~990KPa).
- Negative pressure: −29.5in Hg / −750mmHg(−750Torr)
- Working temperature: 32~140°F / 0~60℃

⚠ CAUTION

- Be sure to refer to the Caution Safety, Classification of Warning Indication (P7), and Common Caution of Fitting Products (P8) before use.
- Be sure to prevent excessive impact, rotation, and bending because the main body is made from plastics.
- Make sure that the machine is at a stop before washing the product and removing the dust.



Product Code System

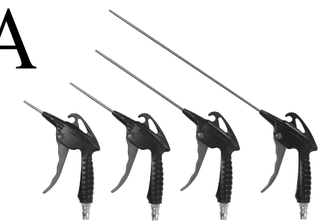
CA 01 F

- CA — Air Gun
- 01 — Nozzle Size(L)
- F — Coupling Form

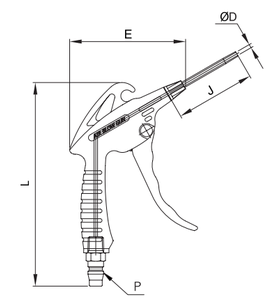
METRIC TYPE	
Code	Length
00	0mm
01	100mm
02	200mm
03	300mm

CODE	TYPE
Blank	PLUG
F	Rc1/4
G	G1/4

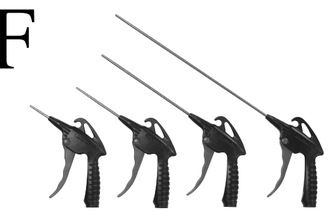
CA



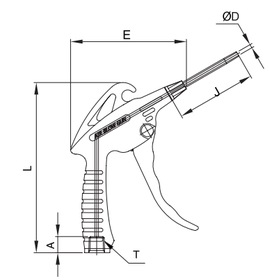
MODEL	P	ØD	L	E	J	WEIGHT(g)	BOX(EA)
CA-0050	PM20	3.0	169.9	96.8	50.0	116.0	40
CA-0100	PM20	3.0	169.9	96.8	100.0	129.0	40
CA-0200	PM20	3.0	169.9	96.8	200.0	136.0	30
CA-0300	PM20	3.0	169.9	96.8	300.0	151.0	25



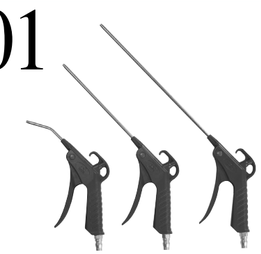
CAF



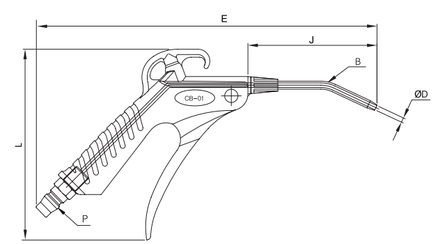
MODEL	T	ØD	L	E	A	J	WEIGHT(g)	BOX(EA)
CA-0050F	G1/4, Rc1/4	3.0	142.1	96.8	13.5	50.0	93.0	40
CA-0100F	G1/4, Rc1/4	3.0	142.1	96.8	13.5	100.0	106.0	40
CA-0200F	G1/4, Rc1/4	3.0	142.1	96.8	13.5	200.0	113.0	30
CA-0300F	G1/4, Rc1/4	3.0	142.1	96.8	13.5	300.0	128.0	25



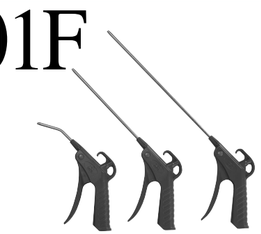
CB01



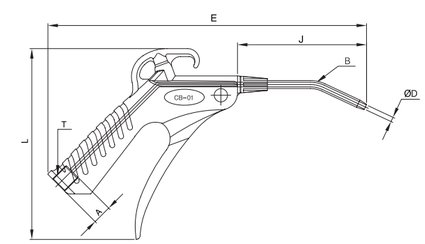
MODEL	P	ØD	L	E	J	B	WEIGHT(g)	BOX(EA)
CB01-100	PM20	3.5	143.6	258.2	100.0	Bent	141.0	40
CB01-200	PM20	3.5	143.6	358.2	200.0	Straight	155.0	30
CB01-300	PM20	3.5	143.6	458.2	300.0		170.0	25



CB01F



MODEL	T	ØD	L	E	A	J	B	WEIGHT(g)	BOX(EA)
CB01-100F	G1/4, Rc1/4	3.5	143.6	242.7	13.5	100.0	Bent	118.0	40
CB01-200F	G1/4, Rc1/4	3.5	143.6	342.7	13.5	200.0	Straight	132.0	30
CB01-300F	G1/4, Rc1/4	3.5	143.6	442.7	13.5	300.0		147.0	25



Oil Ejector Lines

Applications

– Attached to machine tools to control the flow of cutting oil.

Features

– Good tolerance to corrosion, chemicals, and good anti–conductivity.
– Flowdirection can be changed in various directions.
– Made from plastics to be semi–permanent and light–weight.
– Various products can be selected according to operating purposes.

⚠CAUTION

– Be sure to refer to the Caution on Safety, Classification of Warning Indication(P7), and Common Caution of Fitting Products (P8) before use.
– Be sure to prevent excessive impact, rotation, and bending because the main body is made from plastics.
– Make sure that the machine is at a stop before using it to supply cutting oil and washing it.

Product Code System

OEL 01 R

OEL: OIL Ejector line

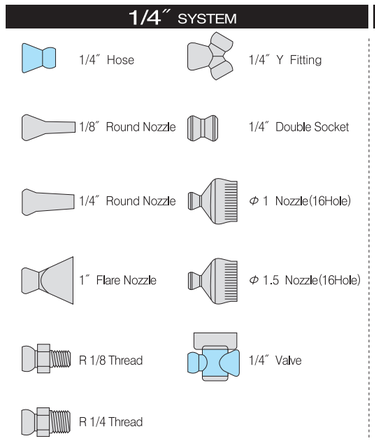
Thread Size(T)

PT(R) THREAD	
Code	Size
01	R1/8
02	R1/4
03	R3/8
04	R1/2
06	R3/4

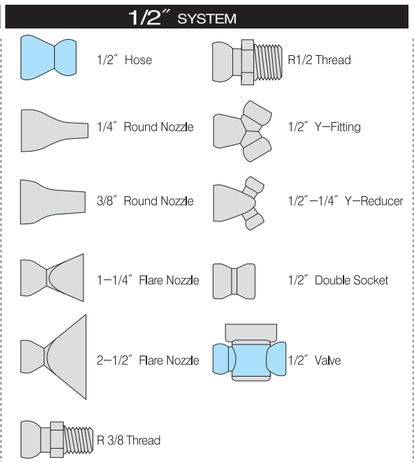
Nozzle Type(L)

CODE	TYPE
R	Round
F	Flare

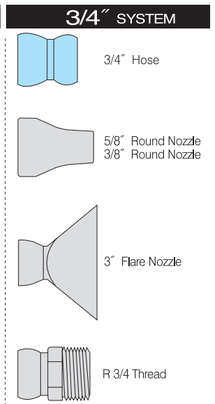
1/4″ SYSTEM



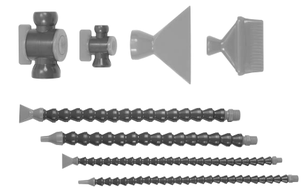
1/2″ SYSTEM

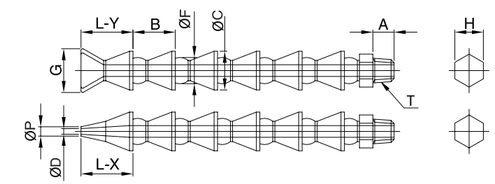


3/4″ SYSTEM



OEL

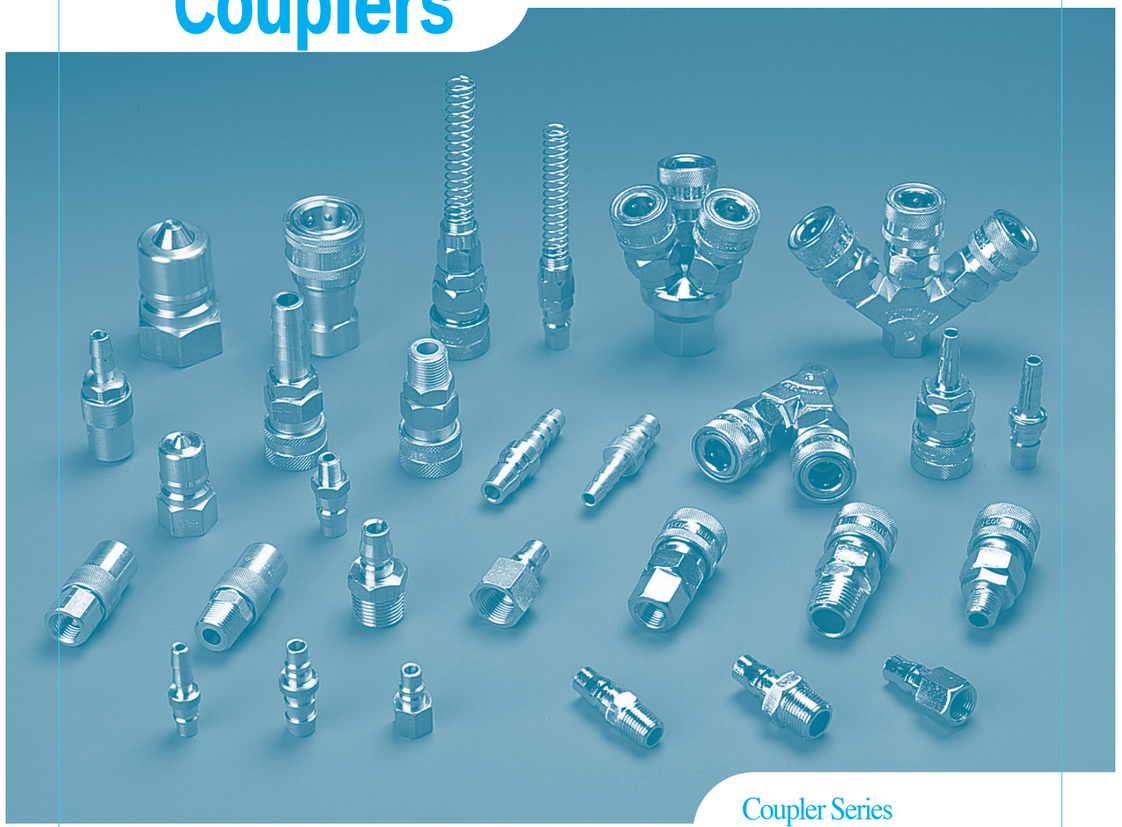




MODEL	T	L(X)	L(Y)	ØD	ØP	G	ØF	ØC	B	A	H(Hex)
OEL 01	R1/8	28.0	29.5	3.1	6.5	27.0	12.5	16.0	13.7	11.0	13.5
OEL 02	R1/4	28.0	29.5	3.1	6.5	27.0	12.5	16.0	13.7	11.0	14
OEL 03	R3/8	39.5	41.2	6.1	10.2	33.1	21.5	24.9	21.5	12.0	19
OEL 04	R1/2	39.5	41.2	6.1	10.2	33.1	21.5	24.9	21.5	15.0	22
OEL 06	R3/4	43.9	53.3	16.1	19.6	79.9	27.8	31.1	23.1	16.5	28

FAMCO
هایپرصنعت

Couplers



Coupler Series

- HI Couplers(ZNDC, STEEL, BSBM)
- MOLD Couplers
- LINE Couplers
- SP Couplers

Coupler (ZNDC, Steel)

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One Touch Coupler (ZNDC, Steel)

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Coupler (BSBM)

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Mold Coupler (BSBM)

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Line Coupler (ZNDC, Steel)

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LC 3A Page 190


LC 03 Page 191


SP Coupler

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Applications

- Used for compressed air piping.
- Widely applicable for hose connection of pneumatic devices, and air piping at plants, etc.

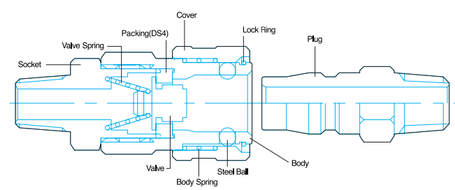
Features

- One-way valve with a built-in automatic switching valve in the hole.
- Various materials and shapes can be selected according to operating needs.
- Smooth connection and release of plug and socket allows convenient use.

Specifications

- Fluid type : Air(No other gases or liquids)
- Material: ZnDC (Chrome-Plated), Steel, Brass
- Working pressure: 0~150PSI / 0~9.9Kgf/㎠(0~990KPa)
- Working temperature: 32~140°F / 0~60℃

Structural Diagram



Product Code System

OSH 20

① ② ③ ④

❶
H : HI Coupler
O : One Touch Coupler
B : Brass Coupler

❷ Coupling Form

CODE	TYPE
S	Socket
P	Plug

❸ Screw Form

CODE	TYPE
H	Hose Stem
M	Male Thread
F	Female Thread
N	Nut

❹ Thread Size

SIZE	H	M	F	N
20	9	R 1/4	Rc 1/4	-
30	11	R 3/8	Rc 3/8	-
40	15	R 1/2	Rc 1/2	-
400	15	R 1/2	Rc 1/2	-
600	21	R 3/4	Rc 3/4	-
800	27	R 1	Rc 1	-
08	-	-	-	8×5
10	-	-	-	10×6.5
12	-	-	-	12×8

Common Caution for Coupler products

⚠ CAUTION

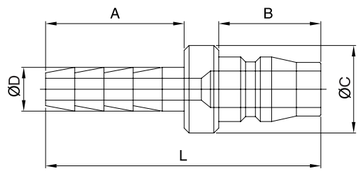
- Replace the main body when air leakage occurs due to packing wear.
- Use caution as severe accumulation of dust on the packing surface may cause leakage.
- Wrong selection of the packing material may cause leakage. Select the appropriate product after considering suitability of the rubber material considering flow and temperature.
- When the coupler is assembled applying a higher torque than recommended, the device and the product may suffer damage.
- Avoid places where metallic powder, sand, and dust are present. It may cause coupler operation errors, and breakdown.

⚠ WARNING

- Connection and release of the coupler under pressure is very dangerous. Device damage and human injuries may occur.
- Forced curvature, pulling, and impact may cause damage.
- Avoid replacement of the rotation pipe connection or the swivel pipe connection with the coupler.
- Do not use the coupler on devices with excessive vibration and impact.
- Connection may be difficult when there is remaining pressure in the coupler. Connect after completely discharging the remaining pressure.
- Do not disassemble the coupler unless necessary.

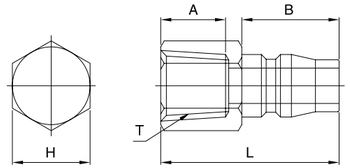
PH

MODEL	ØC	ØD	L	A	B	WEIGHT(g)	BOX(EA)
PH 20	16.0	9.0	53.0	26.0	20.5	27.7	100
PH 30	16.0	11.0	54.8	28.0	20.5	29.9	100
PH 40	18.0	15.0	55.5	35.0	20.5	51.0	50
PH 400	22.0	15.0	65.9	32.0	24.0	69.0	25
PH 600	28.0	21.0	76.9	43.0	24.0	122.6	25
PH 800	32.0	27.0	81.5	47.0	24.0	156.1	12



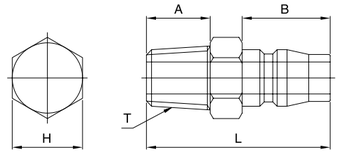
PF

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
PF 20	Rc1/4	9.0	53.0	26.0	20.5	27.7	100
PF 30	Rc3/8	11.0	54.8	28.0	20.5	29.9	50
PF 40	Rc1/2	15.0	55.5	35.0	20.5	51.0	50
PF 400	Rc1/2	15.0	65.9	32.0	24.0	69.0	25
PF 600	Rc3/4	21.0	76.9	43.0	24.0	122.6	20
PF 800	Rc1	27.0	81.5	47.0	24.0	156.1	12



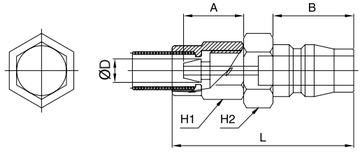
PM

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
PM 20	R 1/4	40.4	12.0	20.5	14	26.9	100
PM 30	R 3/8	41.4	13.0	20.5	19	34.0	50
PM 40	R 1/2	44.6	15.0	20.5	21	54.8	50
PM400	R 1/2	50.9	16.0	24.0	22	72.3	25
PM 600	R 3/4	55.9	16.0	24.0	30	128.5	25
PM 800	R1	63.9	21.0	24.0	35	201.4	16



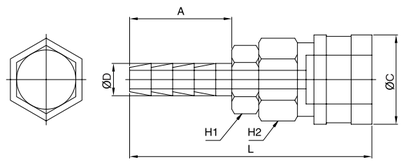
PN

MODEL	ØD	L	A	B	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
PN 08	7.0	43.6	14.0	20.5	14	15	34.0	100
PN 10	8.7	48.6	17.0	20.5	17	19	50.8	50
PN 12	10.0	51.3	19.0	20.5	19	19	58.6	50



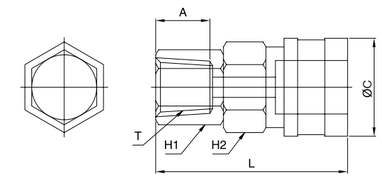
SH

MODEL	ØC	ØD	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
SH 20	26.0	9.0	66.5	26.0	19	22	106.9	25
SH 30	26.0	11.0	69.7	28.0	19	22	111.0	25
SH 40	26.0	15.0	69.5	28.0	19	22	119.9	25
SH 400	35.0	15.1	83.1	36.0	30	32	219.0	12
SH 600	35.0	21.0	92.1	45.0	30	32	243.6	12
SH 800	35.0	27.0	102.1	53.0	30	32	312.0	12



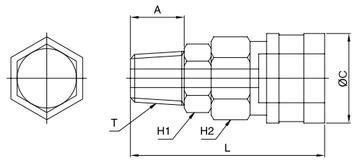
SF

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
SF 20	26.0	Rc 1/4	49.5	11.0	19	22	109.6	25
SF 30	26.0	Rc 3/8	51.5	12.0	21	22	117.1	25
SF 40	26.0	Rc 1/2	52.5	13.0	26	22	134.8	25
SF 400	35.0	Rc 1/2	57.1	12.0	30	32	221.5	12
SF 600	35.0	Rc 3/4	61.1	14.0	35	32	257.4	12
SF 800	35.0	Rc1	68.1	19.0	41	32	329.0	8



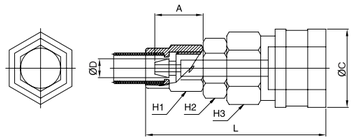
SM

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
SM 20	26.0	R 1/4	53.5	12.0	19	22	105.9	25
SM 30	26.0	R 3/8	54.5	13.0	19	22	115.6	25
SM 40	26.0	R 1/2	56.5	14.0	21	22	123.6	25
SM400	35.0	R 1/2	63.1	14.0	30	32	211.2	12
SM 600	35.0	R 3/4	65.1	16.0	30	32	232.4	12
SM 800	35.0	R 1˝	70.1	21.0	35	32	272.6	12



SN

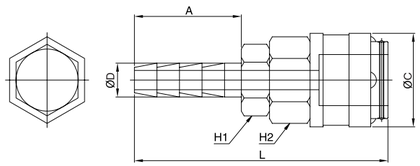
MODEL	ØC	ØD	L	A	H1(Hex)	H2(Hex)	H3(Hex)	WEIGHT(g)	BOX(EA)
SN 08	26.0	7.0	57.4	14.0	15	19	22	93.7	25
SN 10	26.0	8.7	61.4	17.0	17	19	22	100.2	25
SN 12	26.0	10.0	64.4	19.0	19	19	22	110.0	25



One Touch Coupler (ZNDC, Steel)

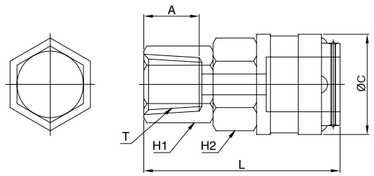
OSH

MODEL	ØC	ØD	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
OSH 20	26.0	9.0	70.3	28.0	19	22	88.9	25
OSH 30	26.0	11.0	70.3	28.0	19	22	91.1	25
OSH 40	26.0	15.0	70.3	28.0	19	22	97.0	25



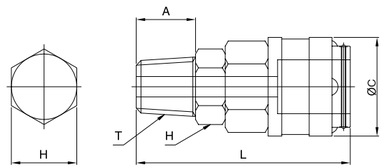
OSF

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
OSF 20	26.0	Rc 1/4	49.5	12.0	19	22	88.7	25
OSF 30	26.0	Rc 3/8	50.8	13.0	21	22	92.1	25
OSF 40	26.0	Rc 1/2	52.0	14.0	24	22	106.9	25



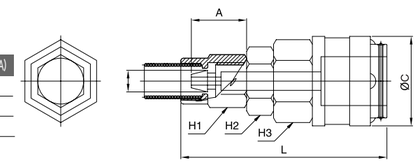
OSM

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)
OSM 20	26.0	R1/4	56.0	12.0	19	22	89.3	25
OSM 30	26.0	R3/8	56.0	13.0	19	22	91.7	25
OSM 40	26.0	R1/2	58.0	14.0	21	22	101.3	25



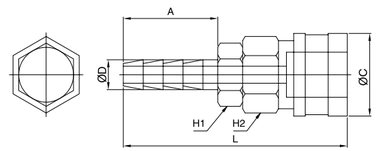
OSN

MODEL	ØC	ØD	L	A	H1(Hex)	H2(Hex)	H3(Hex)	WEIGHT(g)	BOX(EA)
OSN 08	26.0	7.0	59.4	14.0	15	19	22	99.8	25
OSN 10	26.0	8.7	62.1	14.0	17	19	22	107.5	25
OSN 12	26.0	10.0	63.9	20.0	19	19	22	116.6	25



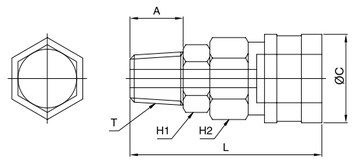
BSH

MODEL	ØC	ØD	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)	비고
BSH 20	26.0	9.0	73.3	30.5	19	22	111.0	25	
BSH 30	26.0	11.0	75.5	34.0	19	22	111.6	25	
BSH 40	26.0	15.0	77.5	36.0	19	22	129.5	25	
BSH 400	35.0	15.1	83.1	36.0	30	32	219.0	12	※주문사양
BSH 600	35.0	21.0	92.1	45.0	30	32	243.6	12	
BSH 800	35.0	27.0	102.1	53.0	30	32	312.0	12	



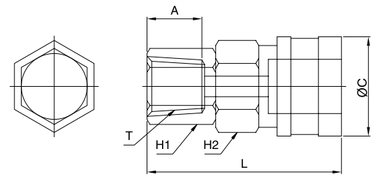
BSM

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)	비고
BSM 20	26.0	R1/4	53.5	12.0	19	22	106.3	25	
BSM 30	26.0	R3/8	56.0	13.0	19	22	117.5	25	
BSM 40	26.0	R1/2	58.0	14.0	21	22	133.7	25	
BSM 400	35.0	R 1/2	63.1	14.0	30	32	211.2	12	※주문사양
BSM 600	35.0	R 3/4	65.1	16.0	30	32	232.4	12	
BSM 800	35.0	R1	70.1	21.0	35	32	272.6	12	



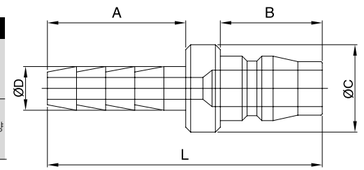
BSF

MODEL	ØC	T	L	A	H1(Hex)	H2(Hex)	WEIGHT(g)	BOX(EA)	비고
BSF 20	26.0	Rc1/4	49.5	11.0	19	22	109.2	25	
BSF 30	26.0	Rc3/8	51.0	12.0	21	22	112.8	25	
BSF 40	26.0	Rc1/2	53.3	14.0	24	22	120.1	25	
BSF 400	35.0	Rc 1/2	57.1	12.0	30	32	221.5	12	※주문사양
BSF 600	35.0	Rc 3/4	61.1	14.0	35	32	257.4	12	
BSF 800	35.0	Rc1	68.1	19.0	41	32	329.0	8	



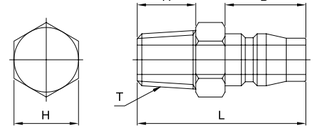
BPH

MODEL	ØC	ØD	L	A	B	WEIGHT(g)	BOX(EA)	비고
BPH 20	16.0	9.0	57.3	28.5	20.5	32.3	100	
BPH 30	16.0	11.0	57.8	30.0	20.5	33.4	100	
BPH 40	18.0	15.0	57.8	30.1	20.5	46.3	50	
BPH 400	22.0	15.0	65.9	32.0	24.0	69.0	25	※주문사양
BPH 600	28.0	21.0	76.9	43.0	24.0	122.6	25	
BPH 800	32.0	27.0	81.5	47.0	24.0	156.1	12	



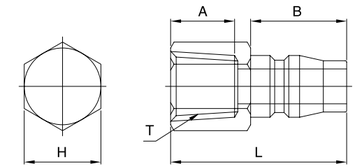
BPM

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)	비고
BPM 20	R 1/4	36.6	11.0	20.5	14	27.8	100	
BPM 30	R 3/8	40.8	13.0	20.5	17	42.5	50	
BPM 40	R 1/2	42.8	15.0	20.5	21	54.2	50	
BPM400	R 1/2	50.9	16.0	24.0	22	72.3	25	
BPM 600	R 3/4	55.9	16.0	24.0	30	128.5	25	※주문사양
BPM 800	R1	63.9	21.0	24.0	35	201.4	16	



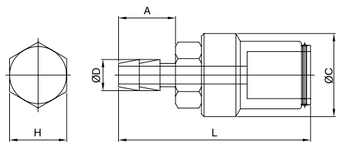
BPF

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)	비고
BPF 20	Rc 1/4	36.0	11.0	20.5	17	31.7	100	
BPF 30	Rc 3/8	37.0	13.0	20.5	21	44.7	50	
BPF 40	Rc 1/2	38.8	14.0	20.5	24	47.0	50	
BPF 400	Rc1/2	15.0	65.9	32.0	24.0	69.0	25	
BPF 600	Rc3/4	21.0	76.9	43.0	24.0	122.6	20	※주문사양
BPF 800	Rc1	27.0	81.5	47.0	24.0	156.1	12	



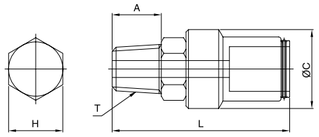
KSH

MODEL	ØC	ØD	L	A	H(Hex)	WEIGHT(g)	BOX(EA)
KSH 20	21.0	8.0	60.0	21.0	17	66.4	25
KSH 30A	21.0	10.0	60.0	21.0	17	66.8	25
KSH 30	21.0	12.0	60.0	21.0	17	70.3	25



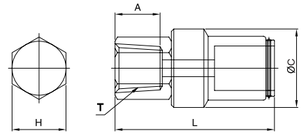
KSM

MODEL	ØC	T	L	A	H(Hex)	WEIGHT(g)	BOX(EA)
KSM 10	21.0	R1/8	47.9	8.5	17	64.3	25
KSM 20	21.0	R1/4	51.0	12.0	17	70.3	25
KSM 30	21.0	R3/8	51.0	12.0	17	74.3	25



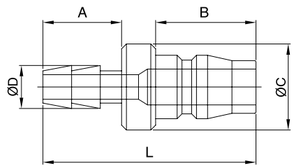
KSF

MODEL	ØC	T	L	A	H(Hex)	WEIGHT(g)	BOX(EA)
KSF 20	21.0	Rc1/4	47.8	11.0	17	68.9	25
KSF 30	21.0	Rc3/8	48.1	12.0	17	77.7	25



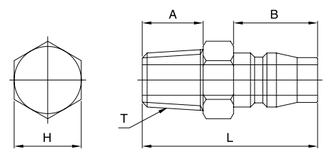
KPH

MODEL	ØC	ØD	L	A	B	WEIGHT(g)	BOX(EA)
KPH 20	12.0	8.0	41.1	21.0	15.3	14.8	100
KPH 30A	15.0	10.0	41.1	21.0	15.3	16.6	100
KPH 30	15.0	12.0	41.1	21.0	15.3	20.4	100



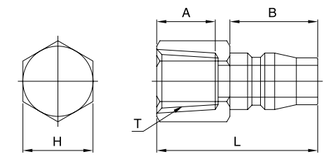
KPM

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
KPM 10	R 1/8	31.1	10.0	15.3	12	14.0	100
KPM 20	R 1/4	33.1	12.0	15.3	14	18.5	100
KPM 30	R 3/8	34.1	13.0	15.3	17	26.6	100



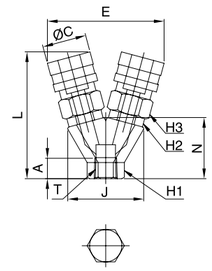
KPF

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
KPF 10	Rc 1/8	28.0	9.0	15.3	14	17.9	100
KPF 20	Rc 1/4	29.9	11.0	15.3	17	24.5	100
KPF 30	Rc 3/8	32.1	12.0	15.3	19	30.0	50



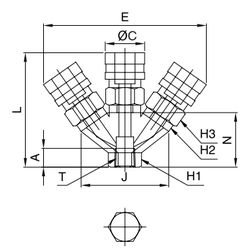
LC 2A

MODEL	ØC	T	L	E	A	N	J	H1(Hex)	H2(Hex)	H3(Hex)	WEIGHT(g)	BOX(EA)
LC 2A	26.0	Rc1/4	74.0	70.1	12.0	36.0	40.0	19	18	22	208.8	10



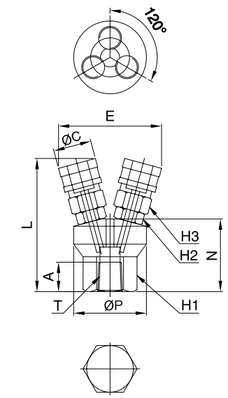
LC 3A

MODEL	ØC	T	L	E	A	N	J	H1(Hex)	H2(Hex)	H3(Hex)	WEIGHT(g)	BOX(EA)
LC 3A	26.0	Rc1/4	76.5	107.5	12.0	36.0	53.7	19	19	22	309.1	8



LC 03

MODEL	ØC	T	L	E	A	N	ØP	H1(Hex)	H2(Hex)	H3(Hex)	WEIGHT(g)	BOX(EA)
LC 03	26.0	Rc1/4	81.0	61.1	12.0	38.0	41.0	26	18	22	294.5	6

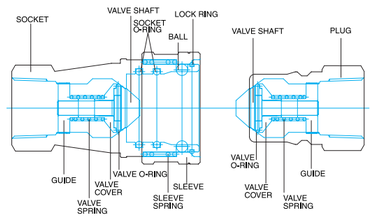


SP Coupler

Applications
- Coupler used for piping and steam, oil, medical and air devices.

Features
- Easy to handle fluids and widely used for vacuum states with 10 mmHg of vacuum at release.
- The product has a built-in switching valve at the socket and plug, and is highly airtight and durable in comparison with existing couplers for regular and high pressure.
- Very safe due to a two-way switching type coupler.
- Rubber packing is made from Viton for high temperature environments.

Structural Diagram



Specifications
- Fluid type: Air, Water, Gasoline, Oil, Steam
- Material: Brass
- Working pressure: 0~70kgf/cm2(7000Kpa)
- Working temperature: -20 ~ 80℃

▶Compatibility
Connection is impossible if the sizes are different.

▶Installation Direction
Air can flow either to the plug or to socket according to the coupler installation direction

Minimum cross section(㎟)

Name	01 SP	02 SP	03 SP	04 SP	06 SP	08 SP	Note
Minimum cross section	10	25	43	90	180	305	Fluorinated Rubber(FKM)

⚠ CAUTION
- Be sure to refer to the caution and warning section (P169) for couplers before use.
- Couplers from other companies may not be compatible because of different specifications. Contact the company before selecting the product.

Product Code System

SP 01 S

① ② ③

❶ SP Coupler

❷ Thread Size

SIZE	S	P
01	Rc 1/8	Rc 1/8
02	Rc 1/4	Rc 1/4
03	Rc 3/8	Rc 3/8
04	Rc 1/2	Rc 1/2
06	Rc 3/4	Rc 3/4
08	Rc 1	Rc 1

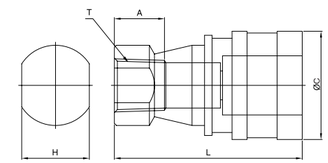
❸ Coupling Form

CODE	TYPE
S	Socket
P	Plug

SP Coupler

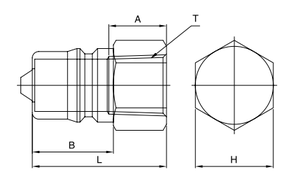
S

MODEL	ØC	T	L	A	H(Hex)	WEIGHT(g)	BOX(EA)
SP 01S	24.0	Rc1/8	47.9	8.0	2Hex14×Ø18	85.9	25
SP 02S	28.0	Rc1/4	58.2	10.0	2Hex19×Ø22	139.9	25
SP 03S	34.8	Rc3/8	64.9	11.0	2Hex22×Ø26	223.4	15
SP 04S	43.2	Rc1/2	75.0	14.0	2Hex27×Ø32	409.7	8
SP 06S	53.3	Rc3/4	90.4	16.0	2Hex33×Ø40	650.6	5
SP 08S	62.4	Rc1	105.1	20.0	2Hex41×Ø48	1045.4	2



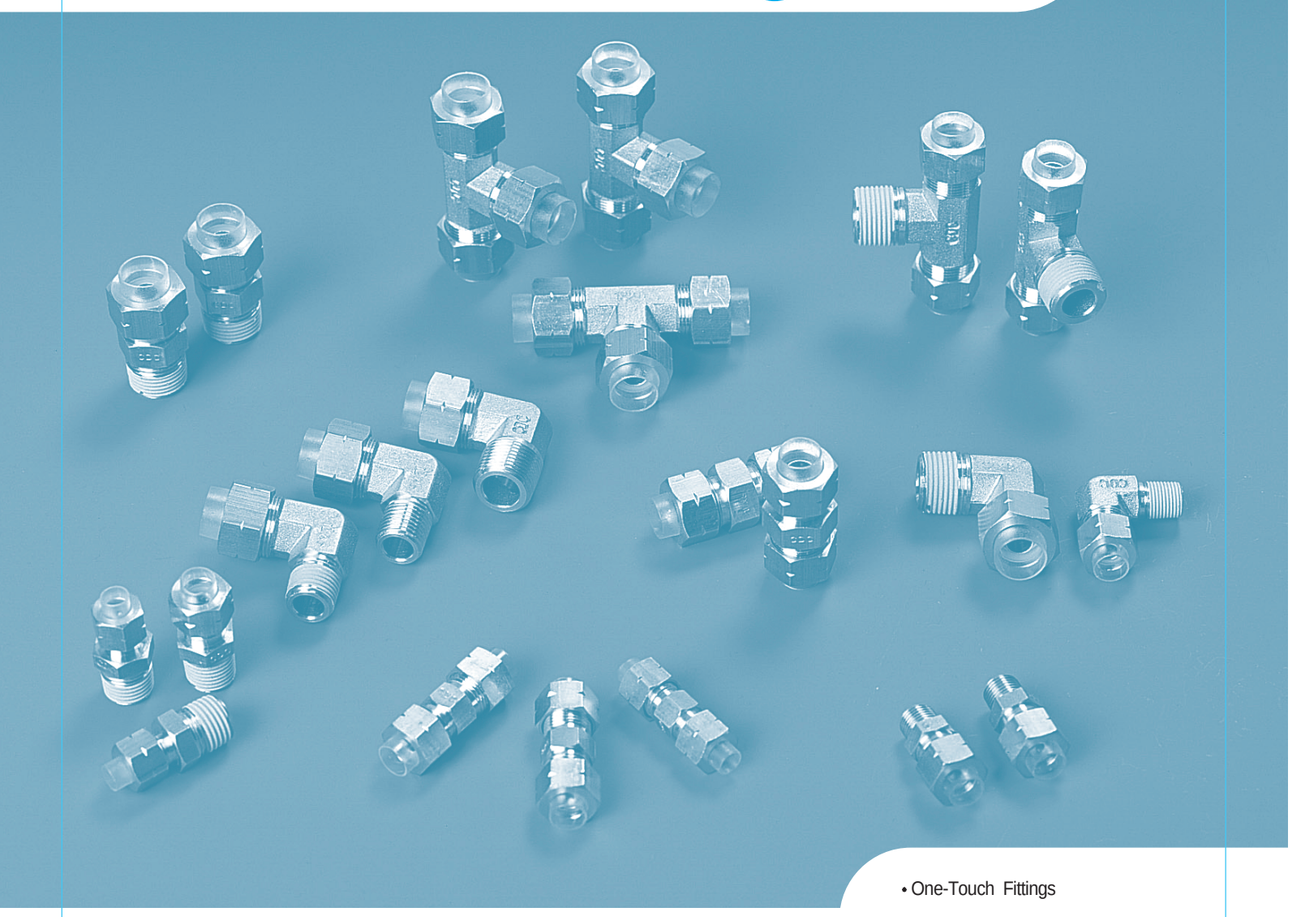
P

MODEL	T	L	A	B	H(Hex)	WEIGHT(g)	BOX(EA)
SP 01P	Rc 1/8	28.7	8.0	19.0	14	20.4	100
SP 02P	Rc 1/4	36.0	10.0	22.0	17	36.7	50
SP 03P	Rc 3/8	39.7	11.0	25.4	21	64.8	25
SP 04P	Rc 1/2	46.5	14.0	28.1	27	125.5	25
SP 06P	Rc 3/4	54.2	16.0	36.2	35	231.4	12
SP 08P	Rc1	64.0	20.0	40.5	41	374.7	6



FAMCO
هایپرصنعت

Two-Touch Fittings BSBM



Two Touch Fitting BSBM

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CL Page 199
CT Page 200
CUC Page 201
CUL Page 201
CUT Page 202

CSN Page 203
NUT Page 203

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group
Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax:۰۲۱ - ۴۴۹۹۴۶۴۲
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پارس، پلاک ۱۲

Two-Touch Fittings BSBM

Applications

- Screw joining fitting with large maintenance power and easy release and connection in limited piping spaces.
- Convenient to use in place with a lot of impact and vibration.

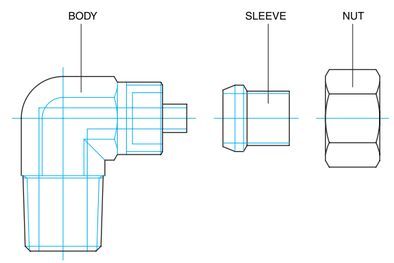
Features

- Attached insert allows tolerance to pressure and vibration.
- Two-touch type fitting fixes the tube more firmly.
- Efficient for piping due to coating at the screw section.

Specifications

- Fluid type : Air, Oil, Water
- Working pressure : 0~150PSI / 0~9.9Kgf/㎠(0~990KPa).
- Negative pressure : -750mmHg(-750Torr)
- Working temperature
  - Air: -40℃ ~ +80℃
  - Water : 0℃ ~ +70℃
  - Oil: -40℃ ~ +80℃

Structural Diagram



Product Code System

METRIC - BSPT(R)

CC 6×4-01

- CC: Two Touch Fitting BSBM
- 6×4: Tube Dia
- 01: Thread Size

CODE	O.D	I.D
4×2	Φ4	Φ2
4×2.5	Φ4	Φ2.5
6×4	Φ6	Φ4
8×5	Φ8	Φ5
8×5.5	Φ8	Φ5.5
8×6	Φ8	Φ6
10×6.5	Φ10	Φ6.5
10×8	Φ10	Φ8
12×8	Φ12	Φ8
12×9	Φ12	Φ9
16×12	Φ16	Φ12
16×13	Φ16	Φ13

R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

⚠ CAUTION

- Be sure to refer to the Caution on Safety, Classification of Warning Indication (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- The proper torque refers to connection by hand and 2~3 rotations by a tool. Excessivepressure may damage the screw.
- Use the product after cleaning the surface of the inserting section of tube.
- The sleeve of this product cannot be reused, so that it should be replaced after 1 (one) use.

⚠ WARNING

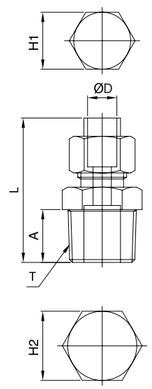
- Don't use re-treated or modified products.
- Avoid piping under tension, and also avoid high curvature piping at the tube insertion section of the fitting.
- Do not use the product in environments containing flammable and corrosive gases.
- Do not let the fluid contact the tube and fitting when the fluid is hot. It may cause bodily harm.

Two Touch Fitting BSBM

CC

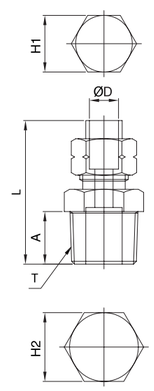
METRIC-BSPT(R)

MODEL	ØD	T	L	A	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CC 4×2-01	4	R 1/8	28.7	8.0	10	10	1.0	11.3	100
CC 4×2-02		R 1/4	33.6	12.0		14		20.2	100
CC 6×4-01	6	R 1/8	29.3	8.0	12	10	2.5	13.5	100
CC 6×4 -02		R 1/4	33.7	12.0		14		21.8	100
CC 6×4 -03		R 3/8	34.8	13.0		17		31.1	50
CC 8×5 - 01	8	R 1/8	29.9	8.0	14	12	3.5	16.6	100
CC 8×5 - 02		R 1/4	34.5	12.0		14		23.7	100
CC 8×5 - 03		R 3/8	35.5	13.0		17		32.7	50
CC 8×6 - 01	8	R 1/8	30.2	8.0	14	12	4.5	16.6	100
CC 8×6 - 02		R 1/4	34.6	12.0		14		23.4	100
CC 8×6 - 03		R 3/8	36.0	13.0		17		34.0	50
CC 10×6.5 -02	10	R 1/4	35.5	12.0	17	15	5.0	32.0	50
CC 10×6.5 -03		R 3/8	37.0	13.0		17		38.5	50
CC 10×6.5 -04		R 1/2	41.0	15.0		22		60.0	25
CC 10×8 -02	10	R 1/4	35.6	12.0	17	15	6.5	28.7	50
CC 10×8 -03		R 3/8	37.3	13.0		17		38.5	50
CC 10×8 -04		R 1/2	41.3	15.0		22		59.1	25
CC 12×8 -02	12	R 1/4	36.5	12.0	19	17	6.5	34.0	50
CC 12×8 -03		R 3/8	40.6	13.0		17		45.2	50
CC 12×8 -04		R 1/2	42.5	15.0		22		60.9	25
CC 12×9 -02	12	R 1/4	36.6	12.0	19	17	7.5	34.3	50
CC 12×9 -03		R 3/8	40.5	13.0		17		39.0	50
CC 12×9 -04		R 1/2	42.6	15.0		22		60.2	25
CC 16×12 -03	16	R 3/8	46.5	13.0	27	22	10.0	83.3	25
CC 16×12 -04		R 1/2	49.0	15.0		22		96.3	20
CC 16×13 -03		R 3/8	46.5	13.0		22		81.2	25
CC 16×13 -04		R 1/2	49.0	15.0		22		95.2	20



INCH-BSPT(R)

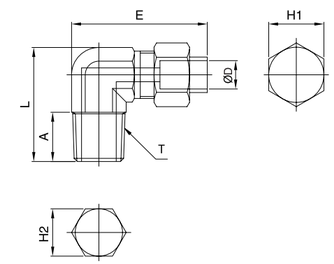
MODEL	ØD	T	L	A	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CC 3/16 - 01	3/16	R 1/8	29.4	8.0	10	10	2.4	13.0	100
CC 3/16 - 02		R 1/4	33.4	12.0		14		20.0	100
CC 1/4 - 01	1/4	R 1/8	29.4	8.0	12	10	3.4	14.0	100
CC 1/4 - 02		R 1/4	33.4	12.0		14		22.0	100
CC 1/4 - 03		R 3/8	34.4	13.0		17		31.0	50
CC 5/16 - 01	5/16	R 1/8	29.4	8.0	14	12	4.7	17.0	100
CC 5/16 - 02		R 1/4	33.4	12.0		14		24.0	100
CC 5/16 - 03		R 3/8	34.4	13.0		17		33.0	50
CC 3/8 - 01	3/8	R 1/8	30.4	8.0	17	14	5.7	23.0	100
CC 3/8 - 02		R 1/4	34.4	12.0		14		28.0	50
CC 3/8 - 03		R 3/8	35.4	13.0		17		39.0	50
CC 3/8 - 04		R 1/4	41.4	15.0		22		68.0	25
CC 1/2 -02	1/2	R 1/4	35.4	12.0	19	17	8.2	33.0	50
CC 1/2 -03		R 3/8	36.4	13.0		17		40.0	50
CC 1/2 -04		R 1/2	41.4	15.0		22		72.0	25



CL

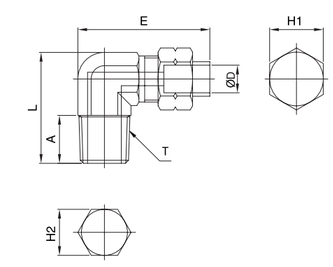
METRIC-BSPT(R)

MODEL	ØD	T	L	E	A	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CL 4×2-01	4	R 1/8	23.8	29.4	12.0	10	10	1.0	19.5	100
CL 4×2-02		R 1/4	28.9	32.4	12.5		12		26.5	100
CL 6×4-01	6	R 1/8	23.8	28.8	12.0	12	10	2.5	21.3	100
CL 6×4-02		R 1/4	28.9	33.0	12.5		12		28.6	50
CL 6×4-03		R 3/8	34.1	34.1	13.5		14		30.0	50
CL 8×5-01	8	R 1/8	27.9	34.2	12.0	14	12	3.5	28.8	50
CL 8×5-02		R 1/4	28.9	33.9	12.5		12		30.3	50
CL 8×5-03		R 3/8	34.1	36.0	13.0		14		33.0	50
CL 8×6-01	8	R 1/8	27.9	33.8	12.0	14	12	4.5	28.4	50
CL 8×6-02		R 1/4	28.9	34.1	12.5		12		30.1	50
CL 8×6-03		R 3/8	34.1	36.0	13.5		14		35.0	50
CL 10×6.5-02	10	R 1/4	33.1	39.1	13.0	17	14	5.0	49.3	50
CL 10×6.5-03		R 3/8	34.1	38.8	13.5		14		49.9	50
CL 10×6.5-04		R 1/2	41.1	39.8	19.0		14		73.0	25
CL 10×8-02	10	R 1/4	33.1	39.0	13.0	17	14	6.5	48.3	50
CL 10×8-03		R 3/8	34.1	38.9	13.5		14		48.5	50
CL 10×8-04		R 1/2	41.1	39.8	15.0		14		72.8	25
CL 12×8-02	12	R 1/4	33.1	40.0	13.0	19	14	6.5	50.7	50
CL 12×8-03		R 3/8	34.1	40.0	13.5		14		51.9	50
CL 12×8-04		R 1/2	41.1	41.0	19.0		14		76.6	25
CL 12×9-02	12	R 1/4	33.1	40.2	13.0	19	14	7.5	50.1	50
CL 12×9-03		R 3/8	34.1	40.1	13.5		14		51.0	50
CL 12×9-04		R 1/2	41.1	41.5	19.0		14		76.0	25
CL 16×12 -03	16	R 3/8	38.0	38.0	13.5	27	18	10.0	106.8	50
CL 16×12 -04		R 1/2	42.0	42.0	15.0		18		119.3	20
CL 16×13 -03		R 3/8	38.0	38.0	13.5		18		104.3	50
CL 16×13 -04		R 1/2	42.0	42.0	15.0		18		117.5	20



INCH-BSPT(R)

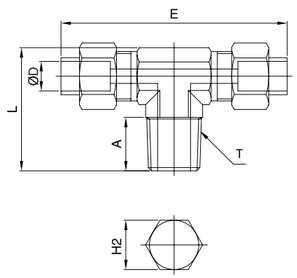
MODEL	ØD	T	L	E	A	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CL 3/16 - 01	3/16	R 1/8	23.9	30.5	11.0	10	10	2.4	18.0	100
CL 3/16 - 02		R 1/4	27.4	34.5	12.0		12		28.0	100
CL 1/4 - 01	1/4	R 1/8	25.4	30.5	11.0	12	10	3.4	20.0	100
CL 1/4 - 02		R 1/4	28.9	34.5	12.0		12		26.0	50
CL 1/4 - 03		R 3/8	32.9	38.5	13.0		14		44.0	50
CL 5/16 - 01	5/16	R 1/8	28.9	34.5	11.0	14	12	4.7	30.0	50
CL 5/16 - 02		R 1/4	29.9	34.5	12.0		12		32.0	50
CL 5/16 - 03		R 3/8	33.9	38.5	13.0		14		48.0	50
CL 3/8 - 01	3/8	R 1/8	30.9	35.5	11.0	17	12	5.7	35.0	50
CL 3/8 - 02		R 1/4	31.9	35.5	12.0		12		50.0	50
CL 3/8 - 03		R 3/8	35.9	38.5	13.0		12		50.0	50
CL 3/8 - 04		R 1/4	42.9	39.5	18.0		14		84.0	25
CL 1/2 -02	1/2	R 1/4	35.9	40.5	12.0	19	14	8.2	50.0	50
CL 1/2 -03		R 3/8	36.9	40.5	13.0		14		53.0	50
CL 1/2 -04		R 1/2	43.9	43.5	18.0		14		76.0	25



CT

METRIC-BSPT(R)

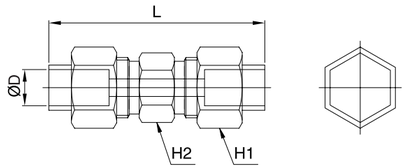
MODEL	ØD	T	L	E	A	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CT 4×2-01	4	R 1/8	23.8	48.2	11.0	10	10	1.0	23.0	50
CT 6×4-01	6	R 1/8	23.8	47.0	11.0	12	10	2.5	28.0	50
CT 6×4-02		R 1/4	29.9	53.5	13.0		12	2.5	40.6	50
CT 6×4-03		R 3/8	34.1	52.0	14.0		14	2.5	43.0	25
CT 8×5-01	8	R 1/8	26.9	55.6	11.0	14	12	3.5	41.0	50
CT 8×5-02		R 1/4	29.9	55.0	13.0		12	3.5	44.0	50
CT 8×5-03		R 3/8	34.1	55.8	14.0		14	3.5	39.0	25
CT 8×6-01	8	R 1/8	26.9	54.8	11.0	14	12	4.5	41.0	50
CT 8×6-02		R 1/4	29.9	55.4	13.0		12	4.5	43.0	50
CT 8×6-03		R 3/8	34.1	54.6	14.0		14	4.5	62.4	25
CT 10×6.5-02	10	R 1/4	32.1	62.0	13.0	17	14	5.0	71.0	25
CT 10×6.5-03		R 3/8	34.1	61.4	14.0		14	5.0	75.0	25
CT 10×8-02	10	R 1/4	32.1	61.8	13.0	17	14	6.5	66.0	25
CT 10×8-03		R 3/8	34.1	62.5	14.0		14	6.5	78.2	25
CT 10×8-04		R 1/2	43.1	68.0	19.0		17.5	6.5	119.2	20
CT 12×8-02	12	R 1/4	32.1	65.8	13.0	19	14	6.5	73.0	25
CT 12×8-03		R 3/8	34.1	64.5	14.0		14	6.5	83.9	25
CT 12×8-04		R 1/2	43.1	70.5	19.0		17.5	6.5	128.7	20
CT 12×9-02	12	R 1/4	32.1	66.2	13.0	19	14	7.5	75.0	25
CT 12×9-03		R 3/8	34.1	64.0	14.0		14	7.5	84.0	25
CT 12×9-04		R 1/2	43.1	68.8	19.0		17.5	7.5	129.0	20



CUC

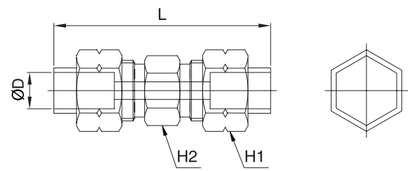
METRIC-BSPT(R)

MODEL	ØD	L	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CUC 4×2	4	40.4	10	10	1.0	16.0	100
CUC 6×4	6	40.5	12	10	2.5	19.9	100
CUC 8×5	8	42.8	14	12	3.5	25.4	100
CUC 8×6	8	42.8	14	12	4.5	25.5	50
CUC 10×6.5	10	45.0	17	17	5.0	43.3	50
CUC 10×8	10	44.1	17	17	6.5	42.4	50
CUC 12×8	12	47.2	19	17	6.5	49.0	50
CUC 12×9	12	47.2	19	17	7.5	51.0	50



INCH-BSPT(R)

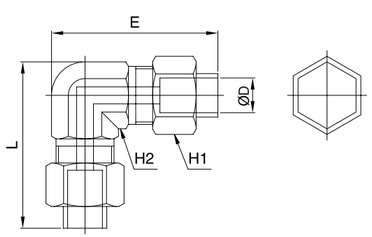
MODEL	ØD	L	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CUC 1/8	1/8	41.8	8	10	1.4	13.0	100
CUC 3/16	3/16	41.8	10	10	2.4	16.0	100
CUC 1/4	1/4	41.8	12	10	3.4	20.0	100
CUC 5/16	5/16	41.8	14	12	4.7	25.0	50
CUC 3/8	3/8	44.8	17	14	5.7	40.0	50
CUC 1/2	1/2	46.8	19	17	8.2	47.0	50



CUL

METRIC-BSPT(R)

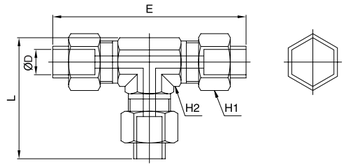
MODEL	ØD	L	E	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CUL 4×2	4	29.9	29.9	10	10	1.0	20.0	100
CUL 6×4	6	30.8	30.8	12	10	2.5	25.0	50
CUL 8×5	8	34.7	34.7	14	12	3.5	37.0	50
CUL 8×6	8	34.9	34.9	14	12	4.5	36.0	50
CUL 10×6.5	10	40.1	40.1	17	14	5.0	59.0	50
CUL 10×8	10	40.1	40.1	17	14	6.5	57.0	50
CUL 12×8	12	41.1	41.1	19	14	6.5	63.0	20
CUL 12×9	12	41.1	41.1	19	14	7.5	60.0	20



CUT

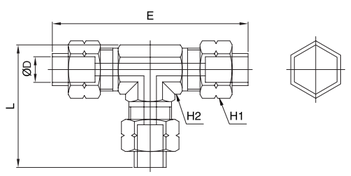
METRIC-BSPT(R)

MODEL	ØD	L	E	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CUT 4×2	4	29.9	48.2	10	10	1.0	27.0	50
CUT 6×4	6	30.8	50.0	12	10	2.5	35.8	50
CUT 8×5	8	34.7	55.5	14	12	3.5	49.0	50
CUT 8×6	8	34.9	56.0	14	12	4.5	48.6	50
CUT 10×6.5	10	40.1	64.0	17	14	5.0	83.3	25
CUT 10×8	10	40.1	64.0	17	14	6.5	79.6	25
CUT 12×8	12	41.1	66.0	19	14	6.5	89.3	25
CUT 12×9	12	41.1	66.0	19	14	7.5	85.0	25

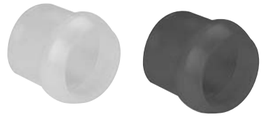


INCH-BSPT(R)

MODEL	ØD	L	E	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
CUT 1/8	1/8	29.4	49.8	8	10	1.4	22.0	50
CUT 3/16	3/16	30.4	49.8	10	10	2.4	28.0	50
CUT 1/4	1/4	31.9	49.8	12	10	3.4	34.0	50
CUT 5/16	5/16	35.4	54.8	14	12	4.7	49.0	50
CUT 3/8	3/8	38.4	56.8	17	12	5.7	64.0	25
CUT 1/2	1/2	43.9	64.8	19	14	8.2	84.0	25

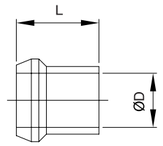


CSN



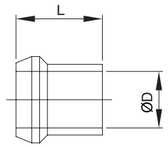
METRIC

MODEL	ØD	L	BOX(EA)
CSN 04	4	11.0	400
CSN 06	6	11.0	400
CSN 08	8	11.0	400
CSN 10	10	12.0	400
CSN 12	12	13.5	400
CSN 16	16	17.5	400



INCH

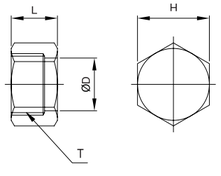
MODEL	ØD	L	BOX(EA)
CSN 1/8	1/8	11.0	400
CSN 3/16	316	11.0	400
CSN 1/4	1/4	11.0	400
CSN 5/16	5/16	11.0	400
CSN 3/8	3/8	12.0	400
CSN 1/2	1/2	13.0	400



NUT

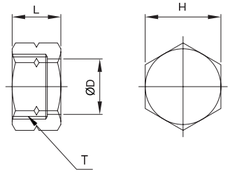
METRIC

MODEL	ØD	L	T	H(Hex)	WEIGHT(g)	BOX(EA)
NUT 04	4	9.0	M8×0.75p	10	3.4	100
NUT 06	6	9.0	M10×1.0p	12	4.5	100
NUT 08	8	9.0	M12×1.0p	14	5.5	100
NUT 10	10	10.0	M15×1.0p	17	8.8	100
NUT 12	12	11.0	M17×1.0p	19	10.4	100
NUT 16	16	13.0	M22×1.0p	27	31.2	100



INCH

MODEL	ØD	L	T	H(Hex)	WEIGHT(g)	BOX(EA)
NUT 1/8	1/8	9.0	M6×0.75p	8	3.0	100
NUT 3/16	3/16	9.0	M6×0.75p	10	4.0	100
NUT 1/4	1/4	9.0	M10×1.0p	12	5.0	100
NUT 5/16	5/16	9.0	M12×1.0p	14	6.0	100
NUT 3/8	3/8	10.0	M14×1.0p	17	10.0	100
NUT 1/2	1/2	11.5	M17×1.0p	19	11.0	100



Chemical compatibility table

Chemical compatibility table Please read carefully for safe use.

- Although the compatibility is proved as Excellent or Good, it maynot suitable in some purposes of applications.
- Be sure to refer in actual using condition.

Judgement Standard ◎ : Excellent ○ : Good △ : Require confirmation × : Incompatible – : No data

Chemical name	Fitting						Tube				Seal		
Density(%), Temperature(℃)	BRASS	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	Fluorine	NBR	EPDM	FKM
Caustic soda (10% 20℃)	△	△	○	◎	△	○	×	○	○	◎	○	◎	○
Caustic soda (30% 20℃)	–	–	–	◎	×	○	×	○	○	◎	–	–	–
Caustic soda (30% 70℃)	–	–	–	○	×	△	×	×	△	○	–	–	–
Gasoline	○	○	○	◎	◎	△	○	◎	△	◎	◎	×	◎
Air	◎	◎	◎	◎	◎	◎	○	○	○	○	◎	◎	◎
Sodium perborate	×	–	○	○	○	○	–	○	○	◎	○	◎	◎
Sodium peroxide	×	–	○	–	–	○	–	×	○	◎	○	◎	◎
Hydrogen peroxide (5%,20℃)	×	○	○	○	○	◎	○	◎	◎	◎	–	–	–
Hydrogen peroxide (5%,20℃)	×	○	○	△	○	◎	△	△	◎	◎	–	–	–
Hydrogen peroxide (30%,20℃)	×	○	○	×	○	○	×	×	○	◎	–	–	–
Perchloric acid	×	×	×	×	○	○	×	×	○	○	–	○	◎
Grease	○	◎	◎	◎	◎	△	○	◎	△	◎	◎	×	◎
Sodium silicate	△	–	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Glycerin	○	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎
Naphtha	△	○	○	◎	○	△	△	○	△	◎	△	×	◎
Naphthaline	△	–	△	◎	○	○	△	◎	△	◎	×	×	◎
Nitropropane	–	–	–	○	–	○	–	–	○	○	–	–	–
Kerosene	◎	◎	◎	◎	◎	△	◎	◎	△	◎	◎	×	◎
Dichloro benzene	△	–	–	△	△	△	×	△	×	◎	–	–	–
Linoleic acid	–	–	–	○	–	△	–	△	△	○	○	×	○
Maleic acid	–	△	△	–	–	◎	△	◎	◎	◎	–	△	◎
Cottonseed oil	△	○	○	◎	–	○	◎	◎	○	◎	◎	◎	◎
Methane	○	–	△	◎	◎	◎	◎	◎	◎	◎	◎	×	◎
Methyl alcohol(Methanol)	◎	△	○	○	○	○	△	○	○	◎	◎	◎	△
Methyl ethyl ketone(MEK)	◎	△	○	○	○	○	×	○	○	○	×	◎	×
Methyl isobutyl ketone(MIBK)	△	–	△	○	○	○	×	○	○	◎	×	△	×
Monoethanolamine	–	–	△	○	–	○	–	○	△	○	×	○	×
Monochlorobenzene	–	–	–	○	–	×	×	×	×	○	×	×	◎
Chloroacetic acid	–	–	–	△	△	×	×	×	×	○	–	–	–
Hydrofluoric acid Anhydride	×	–	×	×	–	×	×	×	×	○	–	○	–
Acetic Anhydride	×	○	○	×	–	△	×	×	△	○	△	○	×
Water (24℃)	○	○	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Water (100℃)	×	○	○	△	×	△	△	△	△	◎	–	–	–
Sea Water	△	○	○	◎	○	◎	◎	◎	◎	◎	–	–	–
Bunker oil	△	–	○	–	–	○	–	○	○	–	◎	–	◎
Benzene(Benzol)	×	△	△	○	○	△	×	○	×	◎	×	×	◎
Butane	◎	◎	◎	◎	◎	◎	–	○	△	◎	◎	×	◎
Fluorine	×	×	△	×	–	×	×	–	×	×	–	△	○
Borax	×	–	○	–	–	◎	◎	◎	◎	◎	○	◎	◎
Boric acid	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎
Amyl borate	–	–	–	○	–	△	–	–	△	○	◎	×	◎
Bromine	×	–	×	×	×	△	×	×	×	◎	–	–	◎
Arsenic acid	△	○	○	–	–	○	–	△	○	○	–	–	–
Carbon tetrachloride	△	△	△	○	○	△	×	△	×	◎	△	×	◎
Oxygen	◎	◎	◎	○	○	○	○	○	○	◎	○	◎	◎
Petroleum	–	–	–	○	○	×	◎	◎	×	◎	◎	×	◎

Chemical name	Fitting						Tube				Seal		
Density(%), Temperature(℃)	BRASS	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	Fluorine	NBR	EPDM	FKM
Salt Water	×	△	△	◎	○	○	–	○	○	○	–	–	–
Soda water	–	–	–	◎	○	○	○	○	○	○	–	–	–
Soda ash→Sodium carbonate	○	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Pine oil	△	○	◎	–	○	○	–	×	○	○	○	×	◎
Oxalic acid	△	△	△	×	○	◎	△	◎	◎	◎	○	◎	◎
Ethyl oxalate	–	–	–	○	○	×	×	○	×	○	×	◎	◎
Magnesium hydroxide	△	–	△	◎	×	○	△	◎	◎	◎	○	◎	◎
Barium hydroxide	×	–	◎	◎	△	○	–	○	○	◎	◎	◎	◎
Ammonium hydroxide	×	△	○	◎	×	◎	△	○	◎	◎	×	◎	○
Potassium hydroxide	△	△	△	◎	×	○	△	△	◎	◎	○	◎	○
Calcium hydroxide	△	△	△	◎	×	○	△	◎	◎	◎	◎	◎	◎
Hydrogen	△	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Marcury	×	–	△	–	–	◎	–	○	○	○	◎	◎	◎
Steam(150℃ below)	○	–	○	△	△	×	×	×	×	○	×	◎	×
Steam 수증기(150℃ over)	–	–	–	×	×	△	×	×	×	○	×	○	×
Vegetable oil	–	–	–	○	○	○	–	○	○	○	◎	◎	◎
Salt water	△	△	△	◎	○	◎	○	◎	◎	◎	–	–	–
Silicone greases	–	–	–	◎	◎	△	–	○	△	○	◎	◎	◎
Silicone oil	–	–	–	◎	◎	△	–	○	△	○	◎	◎	◎
Glue	△	–	△	–	–	◎	–	○	○	◎	–	–	–
Aniline	×	△	△	○	○	△	×	×	×	○	×	○	△
Amyl naphtalene	–	–	–	◎	◎	△	–	–	△	○	×	×	◎
Amyl alcohol	○	△	△	◎	◎	○	○	○	○	○	○	◎	○
Acetone	◎	△	○	○	○	△	×	○	△	○	×	◎	×
Acetamide	–	–	–	○	○	△	–	–	△	○	◎	◎	○
Acetaldehyde	◎	○	◎	○	○	○	○	○	△	○	×	◎	×
Acetylence	×	○	◎	○	◎	◎	◎	◎	◎	◎	○	◎	◎
Sulfurous acid	×	△	△	×	○	○	×	×	○	◎	○	○	◎
Sulfurous acid gas	–	–	○	△	○	○	×	×	△	◎	○	○	◎
Sodium sulfite	○	○	◎	◎	○	○	–	△	○	◎	–	–	–
Ammonia	△	◎	◎	○	△	○	–	○	○	◎	◎	◎	×
Ammonia gas	×	○	○	○	△	△	×	△	△	○	◎	◎	×
Ammonia gas	×	○	○	○	×	×	×	×	×	○	◎	◎	×
Liquid Ammonia	○	◎	◎	○	△	○	–	○	○	○	–	–	–
Chlorine Liquide	–	–	–	×	○	×	×	×	×	○	–	–	–
Liquefied petroleum gas(LPG)	◎	◎	◎	◎	◎	△	–	○	△	○	◎	×	◎
Ethanolamine	–	–	–	◎	△	△	–	△	△	○	○	○	×
Ethylene glycol	△	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Ethyl cellulose	–	–	△	◎	◎	◎	–	–	○	◎	–	○	×
Ethyl alcohol(Ethanol)	◎	○	◎	◎	◎	○	△	○	○	◎	◎	◎	◎
Lye solution	–	–	–	◎	○	○	–	○	○	○	○	◎	○
Hydrochloric acid (10%, 20℃)	×	×	×	×	○	◎	△	○	◎	◎	–	–	–
Hydrochloric acid (20%, 20℃)	×	×	×	×	△	○	×	×	○	◎	–	–	–
Hydrochloric acid (20%, 80℃)	×	×	×	×	×	×	×	×	×	○	×	△	◎
Hydrochloric acid (38%, 20℃)	×	×	×	×	△	○	×	×	○	◎	○	◎	◎
Magnesium chloride	△	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎

Chemical compatibility table

Chemical compatibility table Please read carefully for safe use.

- Although the compatibility is proved as Excellent or Good, it maynot suitable in some purposes of applications.
- Be sure to refer in actual using condition.

Judgement Standard ◎ : Excellent ○ : Good △ : Require confirmation × : Incompatible – : No data

Chemical name Density(%), Temperature(℃)	Fitting						Tube				Seal		
	BRASS	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	Fluorine	NBR	EPDM	FKM
Methyle chloride	○	○	◎	◎	–	×	×	△	×	○	×	△	◎
Barium chloride	×	–	○	–	○	◎	◎	◎	◎	◎	◎	◎	◎
Zinc chloride	×	△	○	×	○	◎	◎	○	◎	◎	◎	◎	◎
Acetyl chloride	–	–	△	×	–	×	×	×	×	–	–	–	◎
Aluminium chloride	×	×	×	–	○	◎	–	△	○	◎	◎	◎	◎
Ammounium chloride	×	△	△	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Etyle chloride	○	◎	◎	◎	–	×	×	◎	×	–	◎	◎	◎
Sulfur chloride	×	–	△	–	–	△	–	–	△	◎	△	×	◎
Kalium chloride	△	△	○	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Calcium chloride	○	△	△	◎	○	◎	○	◎	◎	◎	◎	◎	◎
Ozone	○	○	○	△	◎	△	△	○	△	◎	○	◎	◎
Oleic acid	△	△	△	△	◎	○	△	○	△	◎	△	○	○
Olive oil	△	◎	◎	○	◎	○	○	○	○	◎	◎	○	◎
Uric acid	–	–	–	○	○	–	×	○	–	○	–	–	–
Aqua acid	–	–	–	×	–	△	×	×	×	○	–	△	○
Lactic acid	×	△	△	○	○	◎	–	○	○	◎	◎	◎	◎
Sulfur	×	○	○	◎	–	◎	△	○	◎	◎	×	◎	◎
Lubricating oil(Pertroleum base)	◎	◎	◎	◎	◎	×	◎	◎	×	◎	◎	×	◎
Lubricating oil(Easter base)	◎	◎	◎	◎	○	×	×	○	×	○	–	–	–
Isooctane	◎	○	○	◎	◎	×	△	○	×	○	◎	×	◎
Isopropyl alchol	○	○	○	◎	○	◎	–	△	◎	◎	○	◎	◎
Isopropyl ether	◎	○	○	◎	○	○	–	△	△	○	○	×	×
Carbon disulfide	○	○	○	○	–	×	×	○	×	○	△	×	◎
Phenyle disulfide	–	–	–	–	–	–	△	○	–	○	–	–	–
Carbon monoxide	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Gelatin	◎	◎	◎	◎	○	○	○	○	○	○	◎	◎	◎
Heavy water	–	–	–	◎	○	◎	◎	◎	◎	◎	–	–	–
Soap soultions	◎	◎	◎	◎	○	○	○	◎	△	◎	◎	◎	◎
Sodium nitrate	○	○	◎	○	○	◎	○	◎	◎	◎	○	◎	–
Aluminium nitric	–	–	△	○	○	○	△	○	○	◎	◎	◎	–
Ammonium nitric	×	○	○	○	○	◎	○	◎	◎	◎	◎	◎	–
Kalium nitric	△	△	△	○	○	◎	◎	○	◎	◎	◎	◎	◎
Calcium nitric	–	–	–	○	○	◎	–	○	○	◎	◎	◎	◎
Nitrogen	○	◎	◎	◎	○	◎	○	○	○	◎	◎	◎	◎
Natural gas	◎	◎	◎	◎	◎	○	–	○	○	○	◎	×	◎
Acetic acid (10%, 20℃)	×	○	◎	△	○	◎	×	△	◎	◎	○	◎	○
Acetic acid (50%, 20℃)	×	○	○	×	○	○	×	×	○	○	–	–	–
Acetic acid (50%, 70℃)	×	○	○	×	△	×	×	×	×	○	–	–	–
Acetic acid (100%, 20℃)	×	△	△	×	△	×	×	×	×	○	–	–	–
Lead acetate	–	△	–	–	○	○	–	○	○	○	○	◎	–
Nickel acetate	–	–	△	–	○	◎	–	○	○	◎	○	◎	×
Zinc acetate	–	–	–	○	○	○	–	○	○	○	○	◎	×
Aluminium acetate	–	–	–	○	○	○	–	○	○	○	○	◎	–
Calcium acetate	△	–	△	○	○	◎	○	○	○	◎	○	◎	×
Cresol	○	△	◎	△	○	○	×	×	△	◎	△	×	◎
Chlorosulfonic acid	△	×	×	×	○	×	–	×	×	○	×	×	△

Name of Chemicals (Density of weight%, Temperature℃)	Fitting						Tube				Seal		
	BRASS	SUS304	SUS316	POM	PBT	PP	Urethane	Nylon	Polyolefin	Fluorine	NBR	EPDM	FKM
Chloroacetone	–	–	–	–	–	×	–	–	×	–	×	◎	×
Chlorotoluene	–	–	–	○	○	×	–	×	×	○	×	×	◎
Chloroform	○	○	○	△	△	×	×	○	×	◎	×	×	◎
Soybean oil	△	○	○	◎	◎	○	–	○	○	◎	◎	△	◎
Tannic acid	×	△	△	○	–	◎	△	◎	◎	◎	◎	◎	◎
Tar	△	◎	◎	–	–	○	◎	◎	○	◎	○	×	◎
Carbonic acid	○	△	△	–	–	○	△	◎	○	◎	◎	◎	◎
Carbon dioxide	○	○	○	◎	◎	◎	○	○	○	◎	–	–	–
Sodium carbonate	○	△	△	◎	○	◎	◎	◎	◎	◎	–	–	–
Ammonium carbonate	–	△	△	◎	○	○	–	○	○	◎	×	◎	–
Toluene	◎	◎	◎	○	△	△	△	○	△	○	×	×	◎
Triacetin	–	–	–	–	–	○	–	–	○	–	○	◎	×
Phenol	○	○	○	×	○	○	×	×	○	◎	–	○	◎
Glucose	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	◎
Freon11	◎	◎	◎	◎	◎	–	–	○	–	○	◎	×	◎
Freon12	◎	◎	◎	◎	◎	–	–	○	–	○	◎	○	○
Freon21	◎	◎	◎	◎	◎	–	–	○	–	○	×	×	×
Freon22	◎	◎	◎	◎	◎	–	–	○	–	○	×	◎	×
Freon113	◎	◎	◎	◎	◎	–	–	○	–	○	◎	×	○
Freon114	◎	◎	◎	◎	◎	–	–	○	–	○	◎	◎	○
Propane	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	×	◎
Propylene	◎	◎	◎	◎	◎	–	–	○	–	○	×	×	◎
Castor oil	○	○	○	○	○	◎	△	◎	◎	◎	◎	○	◎
Hexane	○	○	○	◎	◎	△	○	◎	×	◎	◎	×	◎
Sulfuric acid (10%, 20℃)	×	×	×	×	○	○	×	○	○	◎	×	○	◎
Sulfuric acid (10%, 70℃)	×	×	×	×	×	△	×	×	△	◎	–	–	–
Sulfuric acid (30%, 20℃)	×	×	×	×	△	○	×	×	○	◎	–	–	–
Sulfuric acid (30%, 70℃)	×	×	×	×	×	△	×	×	△	○	–	–	–
Sulfuric acid (98%, 20℃)	×	×	×	×	×	×	×	×	×	○	–	–	–
Sulfuric acid (發煙, 70℃)	×	×	×	×	×	×	×	×	×	○	–	–	–
Sodium sulfate	○	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Nickel sulfate	–	△	○	–	○	○	–	○	○	◎	◎	◎	◎
Copper sulfate	○	△	○	◎	○	◎	◎	◎	◎	◎	◎	◎	◎
Magnesium sulfate	○	○	◎	–	○	◎	◎	◎	◎	◎	◎	◎	◎
Metyl sulfate	–	–	–	–	○	×	×	△	×	◎	–	–	–
Barium sulfate	△	○	○	–	○	○	–	○	○	◎	◎	◎	◎
Aluminium sulfate	×	○	○	◎	○	◎	–	◎	◎	◎	◎	◎	◎
Ammonium sulfate	△	△	△	◎	○	◎	◎	◎	◎	◎	◎	◎	–
Lead sulfate	△	–	△	–	○	○	○	○	○	◎	–	–	–
Sodium sulfide	×	△	△	○	○	○	○	○	○	◎	○	◎	◎
Barium sulfide	–	–	○	○	○	○	–	○	○	◎	◎	◎	◎
Zinc sulfide	△	○	○	○	○	◎	△	×	◎	◎	–	–	–
Calcium sulfide	–	–	△	○	○	○	–	○	○	◎	○	◎	◎