

FAMCO
هایپر صنعت

fluimac[®]
pump solution



PHOENIX

AIR-OPERATED DOUBLE DIAPHRAGM PUMPS

www.fluimac.com

Made in
Italy

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



MAIN FEATURES

Fluimac is an original, young and dynamic company built in 2012 for a new concept of product. It is specialized in providing pump solutions with an innovative and continuously developing design of range. The huge experience, knowledge and efficiency of its team is the starting point of its own business. Fluimac stands out for its reliable and prompt technical support and assistance. The internal research and development department ensures the proficiency of its team, which constantly grows in order to satisfy all the customers' needs. The company keeps up with the constant evolution of the national and international market and its quality control guarantees innovative and certificated products, which respect current legal standards. The organization of the warehouse and the assembly/testing department, allows the company to offer short delivery times, immediate check of availability, speedy shipments and fast service assistance. The policy of Fluimac relies also on excellent customer service and a network of efficient, reliable distributors who ensure willingness, quality and technical support. This makes Fluimac a high quality company, grounded in excellence.

FLUIMAC'S CERTIFICATES



CE CONFORMITY
MARKING



ATEX



ISO 9001:2015



FDA COMPLIANT



EAC CONFORMITY
MARKING



PUMP OPERATION



Suction Cycle

1

Compressed air fills right inner chamber, causing the opposing diaphragm to create suction, lifting the lower valve ball, pulling in fluid at inlet. Simultaneously, the right chamber is in "Discharge" cycle.

Discharge Cycle

2

Compressed air fills left inner chamber, causing upper valve ball to open and discharge fluid. Simultaneously, the right chamber is in "Suction" cycle.

INSTALLATION



Pump installed below head (positive suction)

when it is necessary to empty completely the container



Self priming pump installed above head (negative suction)

pump initially works with dry column without problem



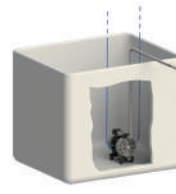
Pump installed above drum or tank

with special featuring pump



Pump installed on hopper for high viscosity liquid

hopper's height helps the pump to treat the fluid. Air pressure has to be high, Suction tube has to be bigger than pump's size



Submerged pump

it is necessary to check the chemical compatibility



Suspended

special version with fixing feet also in the upper part, for ceiling fixing



Pump installed on a mobile unit

with a trolley or cart when pump must be often moved



PP



PVDF+CF



POMc

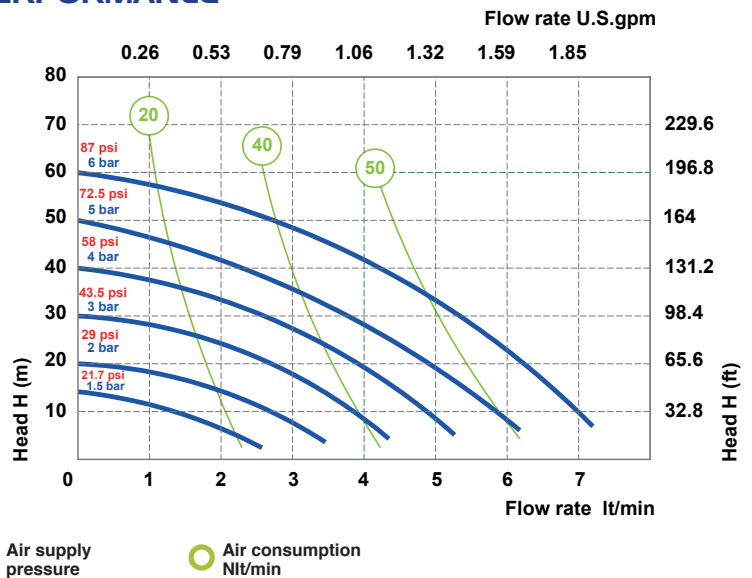
TECHNICAL DATA

Fluid connections	1/4" BSP
Air connection	4 mm
Max. Flow rate	7 lt/min
Max air pressure	6 bar
Max delivery head	60 m
Max Suction Lift Dry	3 m
Max Suction Lift Wet	9,8 m
Max Solid passing	2 mm
Noise level:	62 dB
Max Viscosity:	5.000 cps
Displacement per Stroke:	18 CC ~

II 3/3 G Ex h IIB T4 Gc
II -/3 D Ex h IIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

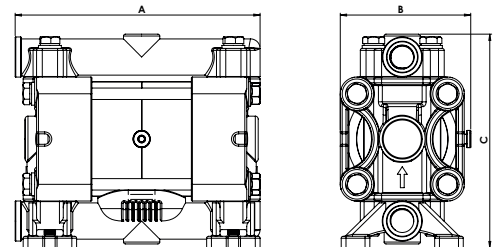
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	129 mm	68 mm	112 mm	0,84 Kg	- 4°C + 65°C
PVDF	129 mm	68 mm	112 mm	0,96 Kg	- 20°C + 95°C
POMc	129 mm	68 mm	112 mm	0,84 Kg	- 5°C + 80°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0007	P = PP KC = PVDF+CF O = POMc	NT = NBR+PTFE	T = PTFE S = SS	P = PP K = PVDF O = POMc	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 5 = NPT	- = zone 2	AB = STANDARD



PP



PVDF+CF



POMc



SS

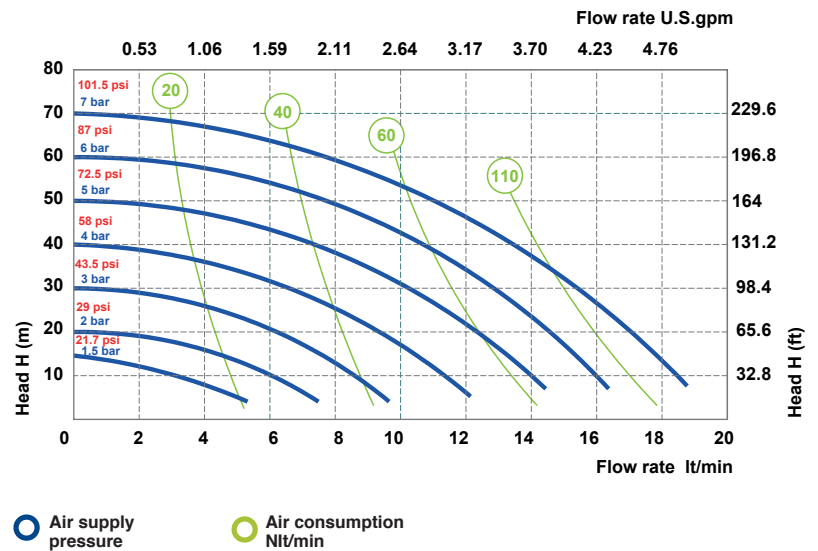
TECHNICAL DATA

Fluid connections	3/8" BSP
Air connection	6 mm
Max. Flow rate	20 lt/min
Max air pressure	7 bar
Max delivery head	70 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	2,5 mm
Noise level:	65 dB
Max Viscosity:	10.000 cps
Displacement per Stroke:	30 CC ~

II 3/3 G Ex h IIB T4 Gc
II -/3 D Ex h IIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

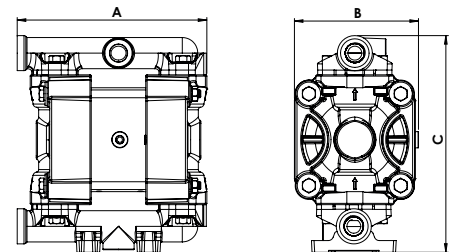
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	146 mm	96 mm	167 mm	1,3 Kg	- 4°C + 65°C
PVDF	146 mm	96 mm	167 mm	1,6 Kg	- 20°C + 95°C
POMc	146 mm	96 mm	167 mm	1,5 Kg	- 5°C + 80°C
SS	148 mm	92 mm	152 mm	2,3 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0018	P = PP KC = PVDF+CF O = POMc SS = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE	T = PTFE S = SS	P = PP K = PVDF O = POMc S = SS	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 5 = NPT	- = zone 2	AB = STANDARD



PP



PVDF+CF



ALU



SS

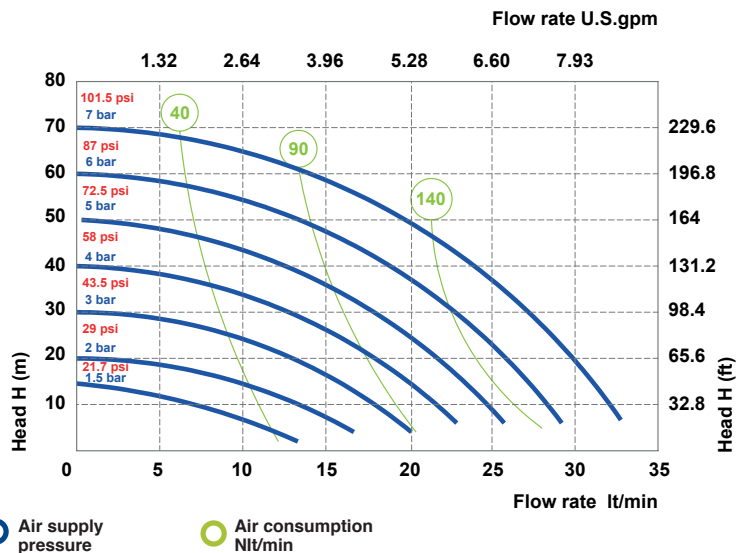
TECHNICAL DATA

Fluid connections	1/2" BSP
Air connection	6 mm
Max. Flow rate	35 lt/min
Max air pressure	7 bar
Max delivery head	70 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	3 mm
Noise level:	65 dB
Max Viscosity:	15.000 cps
Displacement per Stroke:	65 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h III B T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

PERFORMANCE

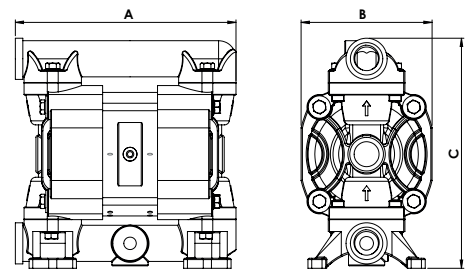


● Air supply pressure ● Air consumption Nlt/min

The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	177 mm	105 mm	185 mm	1,8 Kg	- 4°C + 65°C
PVDF	177 mm	105 mm	185 mm	2,3 Kg	- 20°C + 95°C
ALU	183 mm	110 mm	189 mm	2,8 Kg	- 20°C + 95°C
SS	181 mm	106 mm	192 mm	3,8 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0030	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE	T = PTFE S = SS D = EPDM N = NBR	P = PP K = PVDF S = SS Z = PE-UHMWE	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD



PP



PVDF+CF



ALU



SS

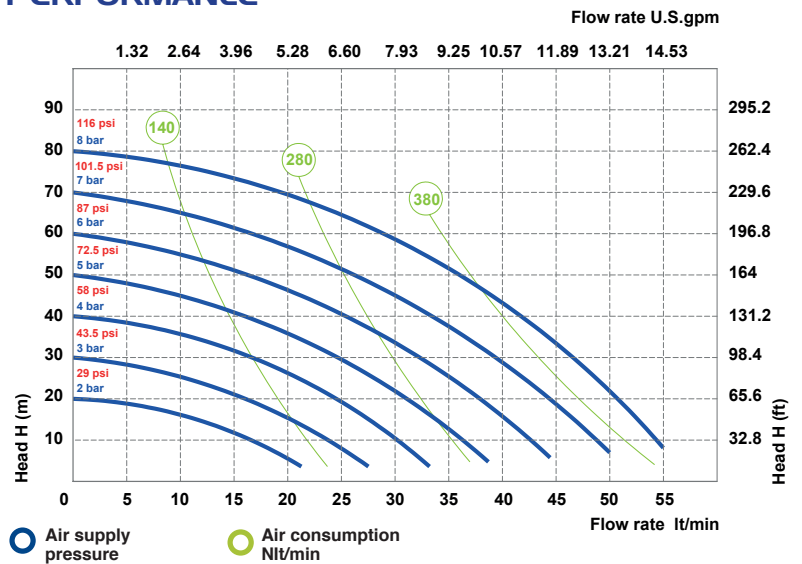
TECHNICAL DATA

Fluid connections	1/2" BSP
Air connection	1/4" BSP
Max. Flow rate	55 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	3,5 mm
Noise level:	70 dB
Max Viscosity:	15.000 cps
Displacement per Stroke:	140 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

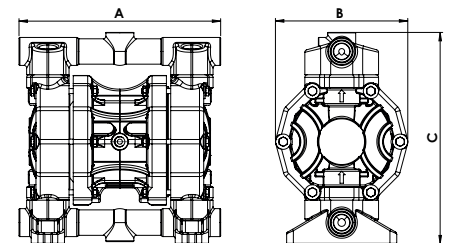
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	238 mm	156 mm	249 mm	3,8 Kg	- 4°C + 65°C
PVDF	238 mm	156 mm	249 mm	4,8 Kg	- 20°C + 95°C
ALU	234 mm	156 mm	245 mm	3,8 Kg	- 20°C + 95°C
SS	234 mm	156 mm	268 mm	6,8 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0055	P = PP	HT = HYTREL+PTFE	T = PTFE	P = PP	D = EPDM	1 = BSP		
	KC = PVDF+CF	MT = SANTOPRENE+PTFE	S = SS	K = PVDF	V = VITON	2 = FLANGED	- = zone 2	AB = STANDARD
	S = SS	H = HYTREL	D = EPDM	S = SS	N = NBR	5 = NPT		
	A = ALU	M = SANTOPRENE	N = NBR	Z = PE-UHMWE	T = PTFE			

www.famcocorp.com

E-mail: info@famcocorp.com

@famco_group

Tel: ۰۲۱ - ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹

Fax: ۰۲۱ - ۴ ۴ ۹ ۹ ۴ ۶ ۴ ۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲



PP



PVDF+CF



ALU



SS

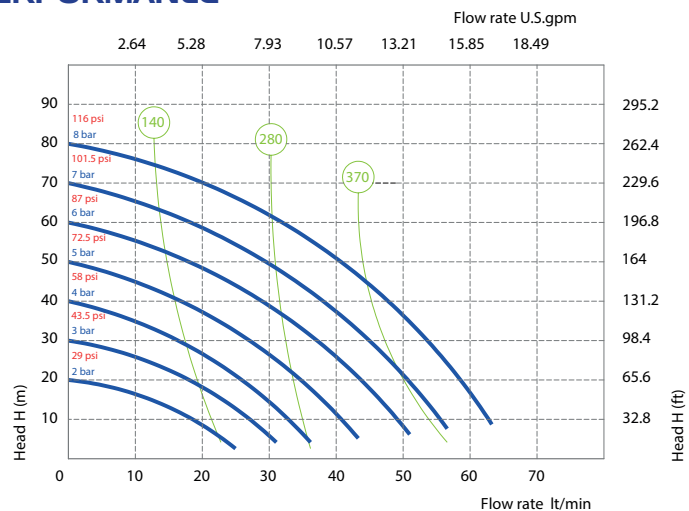
TECHNICAL DATA

Fluid connections	1/2" BSP
Air connection	1/4" BSP
Max. Flow rate	65 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	3,5 mm
Noise level:	72 dB
Max Viscosity:	20.000 cps
Displacement per Stroke:	140 CC ~

⊕ II 3/3 G Ex h IIB T4 Gc
⊕ II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

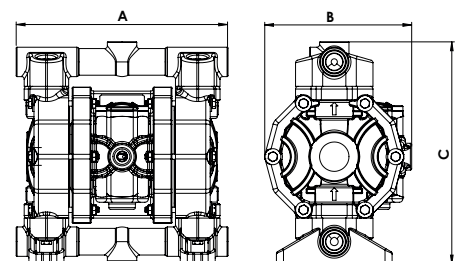
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	238 mm	165 mm	249 mm	4,3 Kg	- 4°C + 65°C
PVDF	238 mm	165 mm	249 mm	5,3 Kg	- 20°C + 95°C
ALU	234 mm	165 mm	245 mm	4,3 Kg	- 20°C + 95°C
SS	234 mm	165 mm	268 mm	7,3 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0060	P = PP	HT = HYTREL+PTFE	T = PTFE	P = PP	D = EPDM	1 = BSP	- = zone 2	AB = STANDARD
	KC = PVDF+CF	MT = SANTOPRENE+PTFE	S = SS	K = PVDF	V = VITON	2 = FLANGED		
	S = SS	H = HYTREL	D = EPDM	S = SS	N = NBR	5 = NPT		
	A = ALU	M = SANTOPRENE	N = NBR	Z = PE-UHMWE	T = PTFE			
		D = EPDM		A = ALU				
		N = NBR						

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



PP



PVDF+CF



ALU (P 100)



SS (P 100)

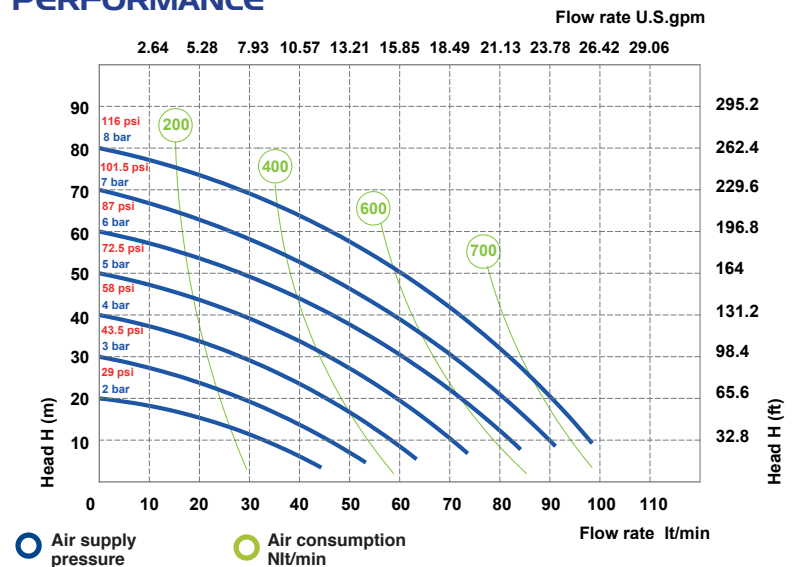
TECHNICAL DATA

Fluid connections	3/4" BSP
Air connection	3/8" BSP
Max. Flow rate	100 lt/mm
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	4 mm
Noise level:	72 dB
Max Viscosity:	25.000 cps
Displacement per Stroke:	200 CC ~

⊕ II 3/3 G Ex h IIB T4 Gc
⊕ II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

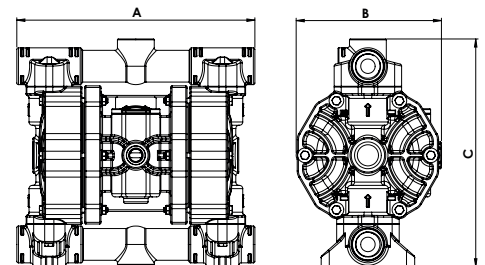
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	293 mm	176 mm	280 mm	5,1 Kg	- 4°C + 65°C
PVDF	293 mm	176 mm	280 mm	6,6 Kg	- 20°C + 95°C
ALU	265 mm	178 mm	245 mm	5,6 Kg	- 20°C + 95°C
SS	247 mm	178 mm	251 mm	7,6 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0090	P = PP KC = PVDF+CF	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL	T = PTFE S = SS	P = PP K = PVDF S = SS	D = EPDM V = VITON	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD
P0100	S = SS A = ALU	M = SANTOPRENE D = EPDM N = NBR	D = EPDM N = NBR	Z = PE-UHMWE A = ALU	N = NBR T = PTFE			



PP



PVDF+CF



SS

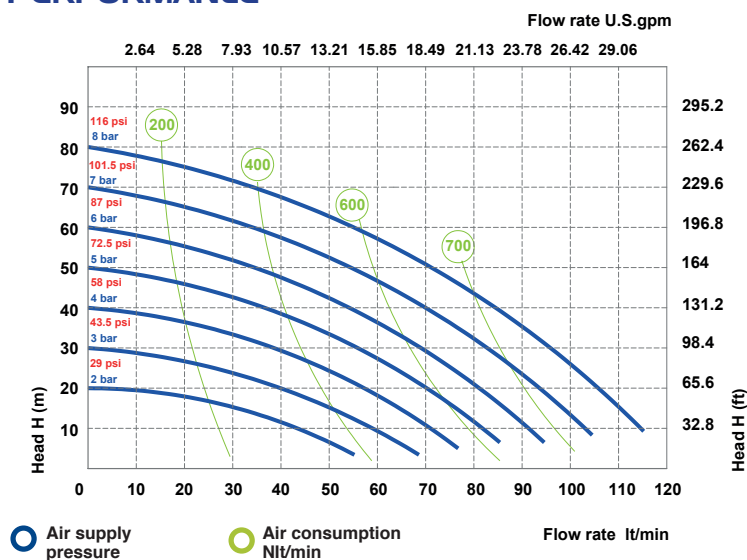
TECHNICAL DATA

Fluid connections	1" BSP
Air connection	3/8" BSP
Max. Flow rate	120 lt/mm
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	4 mm
Noise level:	72 dB
Max Viscosity:	25.000 cps
Displacement per Stroke:	200 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

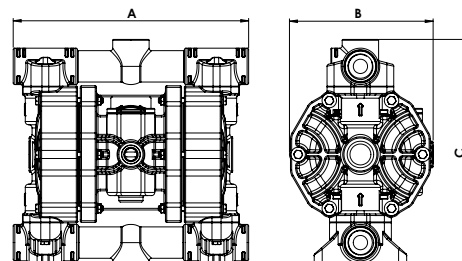
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	293 mm	178 mm	280 mm	5,6 Kg	- 4°C + 65°C
PVDF	293 mm	178 mm	280 mm	7,6 Kg	- 20°C + 95°C
SS	258 mm	177 mm	295 mm	9,6 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0120	P = PP KC = PVDF+CF S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR	T = PTFE S = SS D = EPDM N = NBR	P = PP K = PVDF S = SS Z = PE-UHMWE	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD

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



PP



PVDF+CF



ALU (P 160)



SS

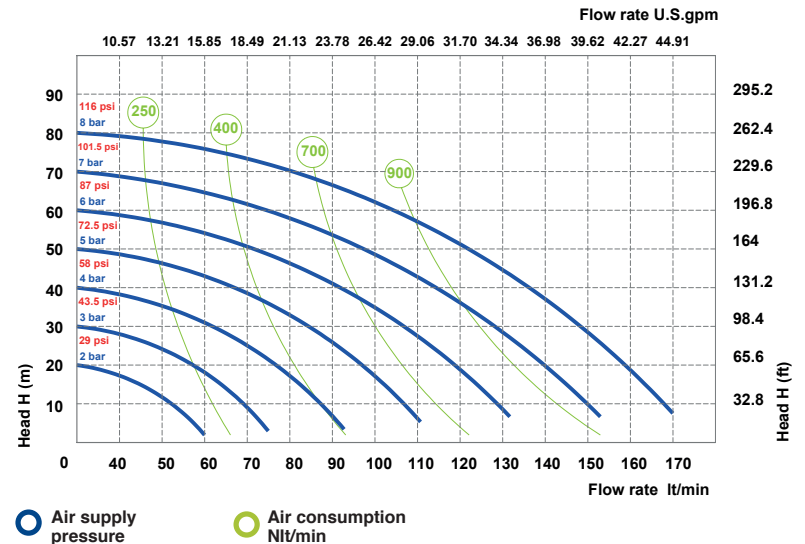
TECHNICAL DATA

Fluid connections	1" BSP - DN25
Air connection	1/2" BSP
Max. Flow rate	170 lt/mm
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	7,5 mm
Noise level:	75 dB
Max Viscosity:	35.000 cps
Displacement per Stroke:	700 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

PERFORMANCE

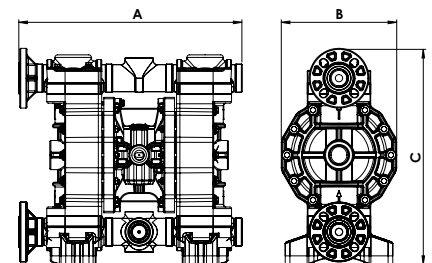


○ Air supply pressure ○ Air consumption Nlt/min

The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	430 mm	222 mm	416 mm	14,2 Kg	- 4°C + 65°C
PVDF	430 mm	222 mm	416 mm	16,2 Kg	- 20°C + 95°C
ALU	370 mm	222 mm	364 mm	13,2 Kg	- 20°C + 95°C
SS	357 mm	222 mm	371 mm	17,2 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0170	P = PP KC = PVDF+CF	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE	T = PTFE S = SS	P = PP K = PVDF	D = EPDM V = VITON	1 = BSP 2 = FLANGED	- = zone 2	AB = STANDARD
P0160	S = SS A = ALU	H = HYTREL M = SANTOPRENE D = EPDM N = NBR	D = EPDM N = NBR	S = SS Z = PE-UHMWE A = ALU	N = NBR T = PTFE	5 = NPT		



PP



PVDF+CF



ALU (P 250)



SS

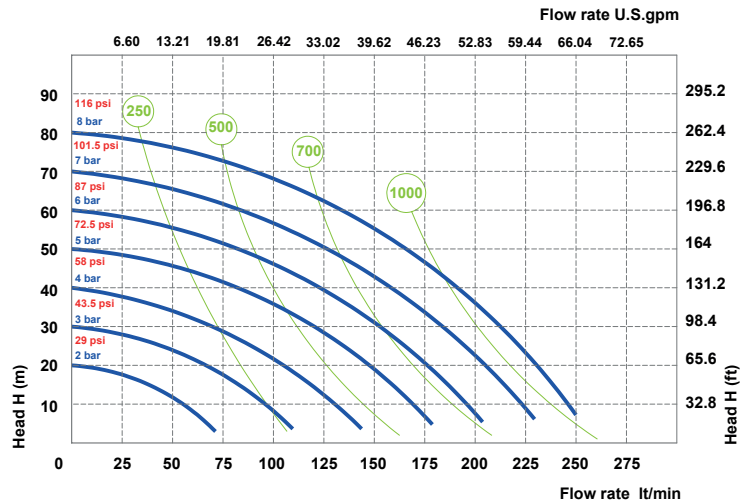
TECHNICAL DATA

Fluid connections	1"1/4" BSP
Air connection	1/2" BSP
Max. Flow rate	250 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	7,5 mm
Noise level:	75 dB
Max Viscosity:	35.000 cps
Displacement per Stroke:	700 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

PERFORMANCE

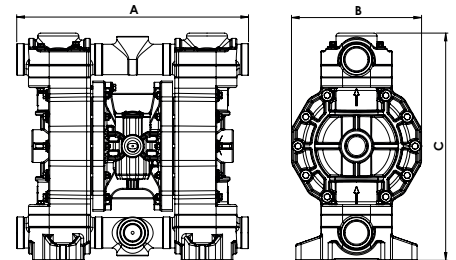


○ Air supply pressure ○ Air consumption Nlt/min

The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	396 mm	222 mm	388 mm	14,2 Kg	- 4°C + 65°C
PVDF	396 mm	222 mm	388 mm	16,2 Kg	- 20°C + 95°C
ALU	370 mm	222 mm	364 mm	13,2 Kg	- 20°C + 95°C
SS	357 mm	222 mm	374 mm	17,2 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0252	P = PP KC = PVDF+CF	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE	T = PTFE	P = PP K = PVDF	D = EPDM	1 = BSP		
P0250	S = SS A = ALU	H = HYTREL M = SANTOPRENE D = EPDM N = NBR	S = SS D = EPDM N = NBR	Z = SS S = PE-UHMWE A = ALU	V = VITON N = NBR T = PTFE	2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD

www.famcocorp.com

E-mail: info@famcocorp.com

@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۰۴۹

Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲



PP



PVDF+CF



ALU



SS

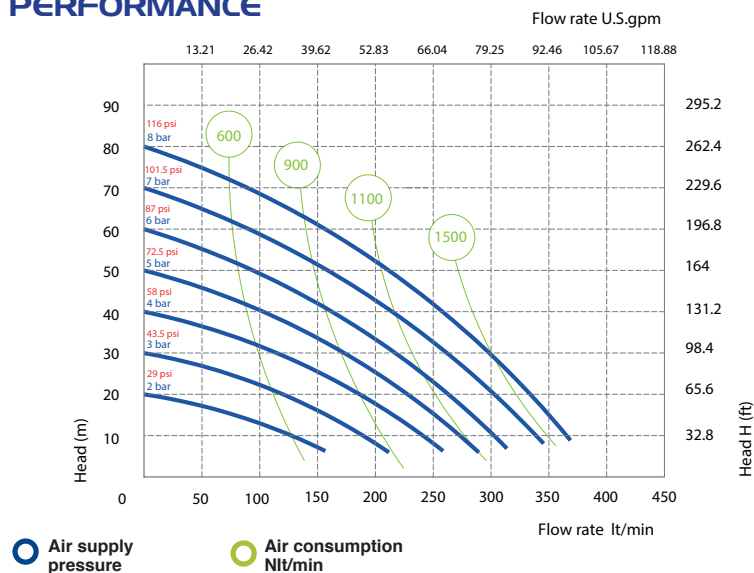
TECHNICAL DATA

Fluid connections	1" 1/2 BSP - DN 40
Air connection	1/2" BSP
Max. Flow rate	380 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	8 mm
Noise level:	78 dB
Max Viscosity:	40.000 cps
Displacement per Stroke:	1200 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

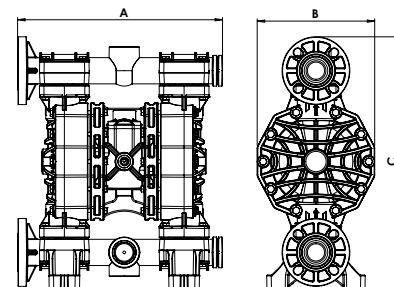
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	454 mm	260 mm	564 mm	18,2 Kg	- 4°C + 65°C
PVDF	454 mm	260 mm	564 mm	22,2 Kg	- 20°C + 95°C
ALU	445 mm	260 mm	563 mm	22,2 Kg	- 20°C + 95°C
SS	361 mm	260 mm	502 mm	25,3 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0400	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR	T = PTFE S = SS D = EPDM N = NBR	P = PP K = PVDF S = SS Z = PE-UHMWE A = ALU	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD EF = STANDARD SS



PP



PVDF+CF



ALU



SS

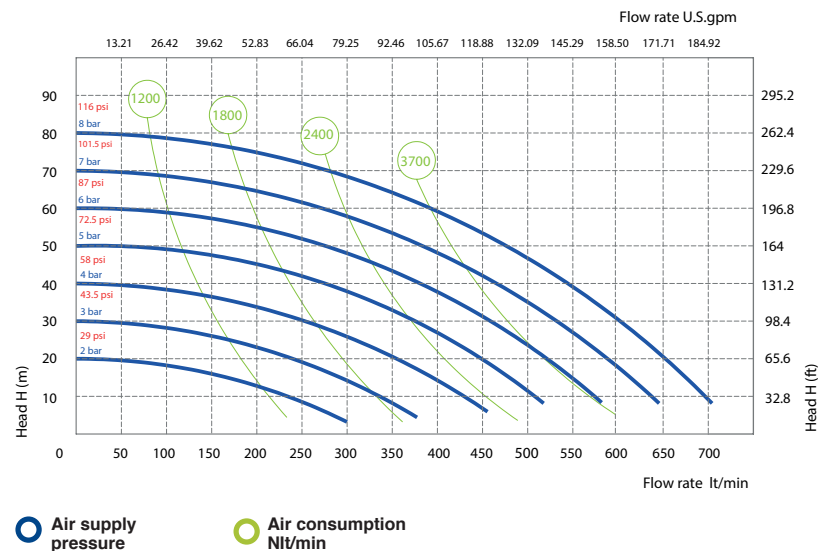
TECHNICAL DATA

Fluid connections	2" BSP - DN 50
Air connection	3/4" BSP
Max. Flow rate	700 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	8,5 mm
Noise level:	78 dB
Max Viscosity:	50.000 cps
Displacement per Stroke:	3050 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

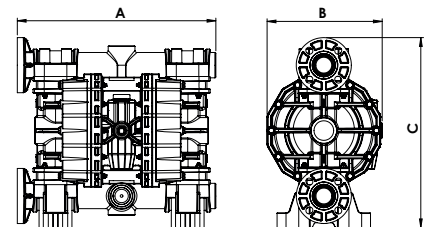
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	595 mm	345 mm	570 mm	30,6 Kg	- 4°C + 65°C
PVDF	595 mm	345 mm	570 mm	41,6 Kg	- 20°C + 95°C
ALU	595 mm	345 mm	567 mm	37,6 Kg	- 20°C + 95°C
SS	487 mm	345 mm	599 mm	51 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0700	P = PP	HT = HYTREL+PTFE	T = PTFE	P = PP	D = EPDM	1 = BSP	- = zone 2	AB = STANDARD
	KC = PVDF+CF	MT = SANTOPRENE+PTFE	S = SS	K = PVDF	V = VITON	2 = FLANGED		EF = STANDARD SS
	S = SS	H = HYTREL	D = EPDM	S = SS	N = NBR	5 = NPT		
	A = ALU	M = SANTOPRENE	N = NBR	Z = PE-UHMWE	T = PTFE			
		D = EPDM		A = ALU				
		N = NBR						

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



PP



PVDF



ALU



SS

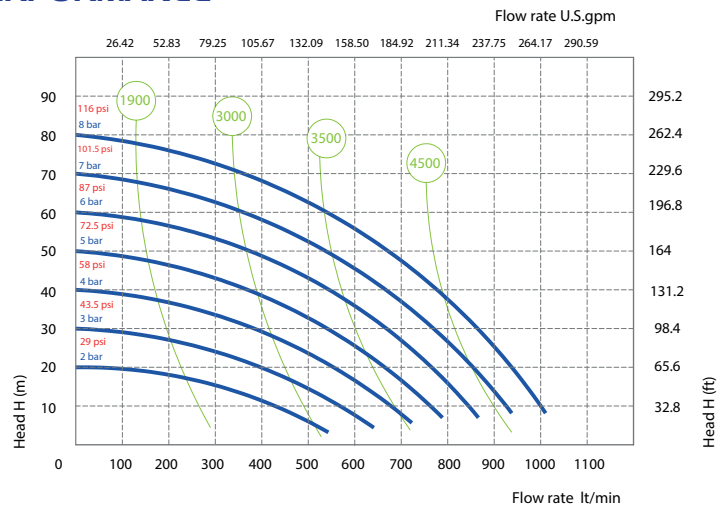
TECHNICAL DATA

Fluid connections	3" BSP - DN 80
Air connection	3/4" BSP
Max. Flow rate	1050 lt/min
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	12 mm
Noise level:	82 dB
Max Viscosity:	55.000 cps
Displacement per Stroke:	9750 CC ~

Ex II 3/3 G Ex h IIB T4 Gc
Ex II -/3 D Ex h IIB T135°C Dc X

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.

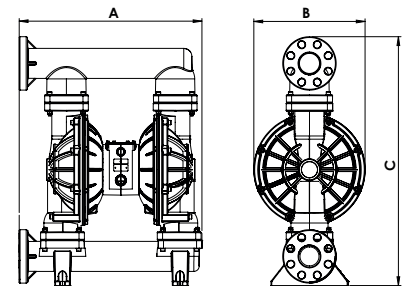
PERFORMANCE



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

	A	B	C	Net Weight	Temperature
PP	685 mm	417 mm	933 mm	48,5 Kg	- 4°C + 65°C
PVDF	685 mm	417 mm	933 mm	53,5 Kg	- 20°C + 95°C
ALU	570 mm	420 mm	838 mm	53,5 Kg	- 20°C + 95°C
SS	570 mm	420 mm	838 mm	111,5 Kg	- 20°C + 95°C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P1000	P = PP	HT = HYTREL+PTFE	T = PTFE	P = PP	D = EPDM	1 = BSP 2 = FLANGED	- = zone 2	AB = STANDARD
	K = PVDF	MT = SANTOPRENE+PTFE	S = SS	K = PVDF	V = VITON			
	S = SS	H = HYTREL	D = EPDM	S = SS	N = NBR			
	A = ALU	M = SANTOPRENE	N = NBR	A = ALU	T = PTFE			



PHOENIX FOOD

Air operated double diaphragms pumps

Realized in:


SS AISI 316 electro-polished

Flow-rate from 20lt/min to 1.000 lt/min

Tri-Clamp Connection.

ATEX certification

Atex zone 2  II 3/3 G Ex h IIB T4 Gc

 II -/3 D Ex h IIIB T135°C Dc X

Atex zone I  II 2/2 G Ex h IIB T4 Gb

 II -/2 D Ex h IIIB T135°C Db X

PF 18

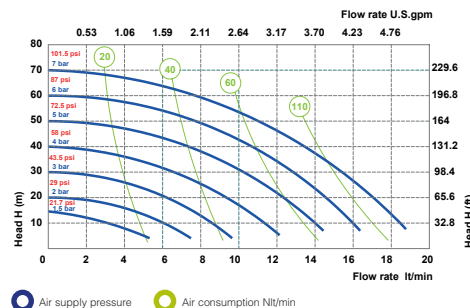
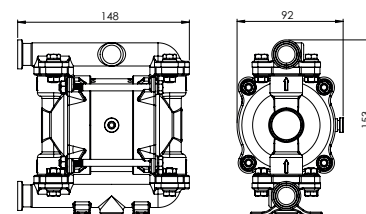


AISI 316 ELECTRO-POLISHED

Fluid connections **3/4" TRI-CLAMP**
 Air connection **6 mm**
 Max. Flow rate **20 lt/min**
 Max air pressure **7 bar**
 Max delivery head **70 m**
 Max Suction Lift Dry **5 m**
 Max Suction Lift Wet **9,8 m**
 Max Solid passing **2,5 mm**
 Noise level: **65 dB**
 Max Viscosity: **10.000 cps**
 Displacement per Stroke: **30 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
2,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0018	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD

PHOENIX FOOD 30

TECHNICAL DATA

PERFORMANCE

PF 30

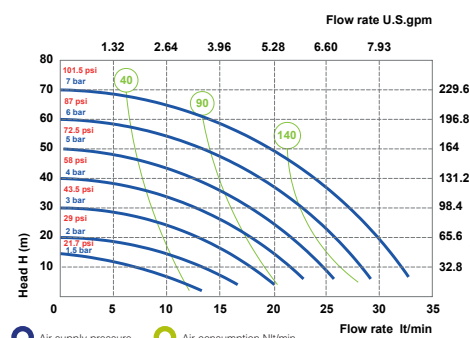
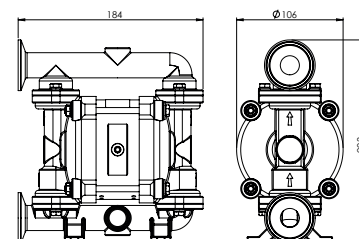


AISI 316 ELECTRO-POLISHED

Fluid connections **1" TRI-CLAMP**
 Air connection **6 mm**
 Max. Flow rate **35 lt/min**
 Max air pressure **7 bar**
 Max delivery head **70 m**
 Max Suction Lift Dry **5 m**
 Max Suction Lift Wet **9,8 m**
 Max Solid passing **3 mm**
 Noise level: **65 dB**
 Max Viscosity: **15.000 cps**
 Displacement per Stroke: **65 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
3,8 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0030	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD

PF 60

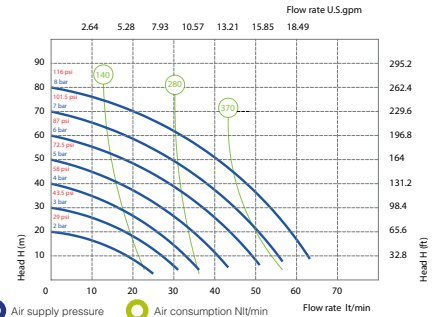
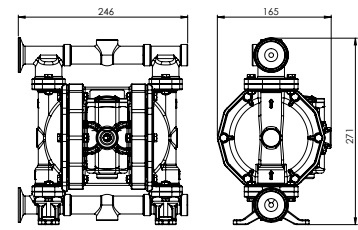


AISI 316 ELECTRO-POLISHED

- Fluid connections **1" TRI-CLAMP**
- Air connection **1/4" BSP**
- Max. Flow rate **65 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **3,5 mm**
- Noise level: **72 dB**
- Max Viscosity: **20.000 cps**
- Displacement per Stroke: **140 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

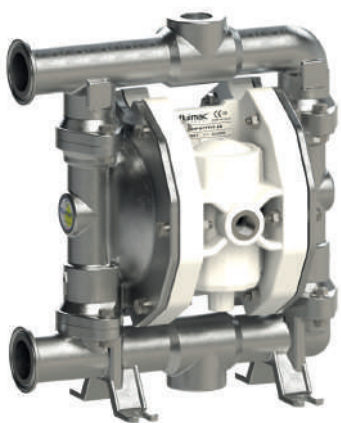
Net Weight	Temperature
7,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0060	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD

PHOENIX FOOD 120

TECHNICAL DATA

PF 120

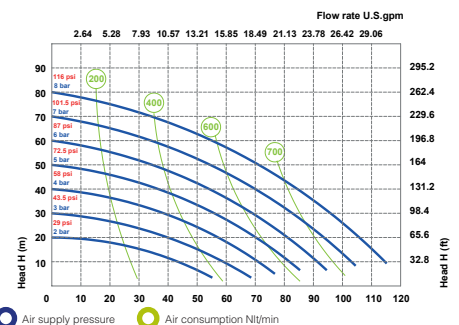
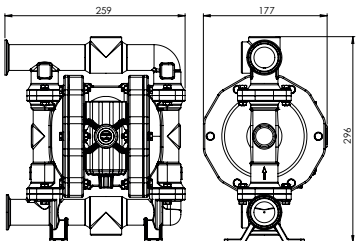


AISI 316 ELECTRO-POLISHED

- Fluid connections **1"1/2" TRI-CLAMP**
- Air connection **3/8" BSP**
- Max. Flow rate **120 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **4 mm**
- Noise level: **72 dB**
- Max Viscosity: **25.000 cps**
- Displacement per Stroke: **200 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
9,6 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0120	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD

PF 170

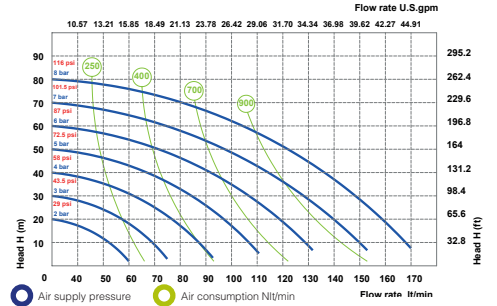
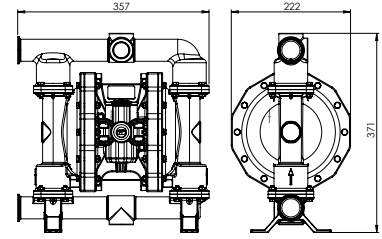


AISI 316 ELECTRO-POLISHED

- Fluid connections **1 1/2" TRI-CLAMP**
- Air connection **1/2" BSP**
- Max. Flow rate **170 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **7,5 mm**
- Noise level: **75 dB**
- Max Viscosity: **35.000 cps**
- Displacement per Stroke: **700 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
17,2 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0170	S = SS POLISHED	HT =HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD

PHOENIX FOOD 400

TECHNICAL DATA

PERFORMANCE

PF 400

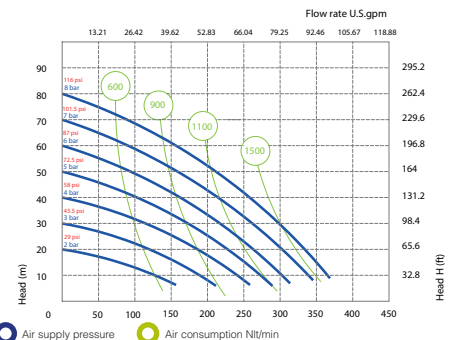
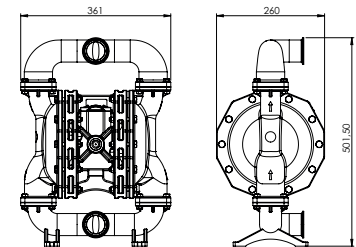


AISI 316 ELECTRO-POLISHED

- Fluid connections **2" TRI-CLAMP**
- Air connection **1/2" BSP**
- Max. Flow rate **380 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **8 mm**
- Noise level: **78 dB**
- Max Viscosity: **40.000 cps**
- Displacement per Stroke: **1200 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
25,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0400	S = SS POLISHED	HT =HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	EF = STANDARD

PF 700

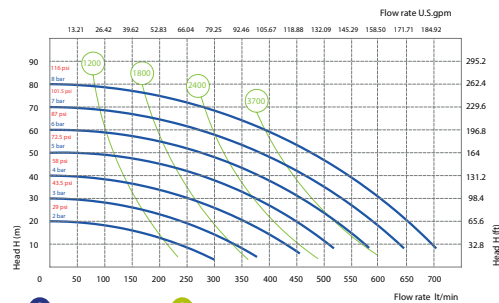
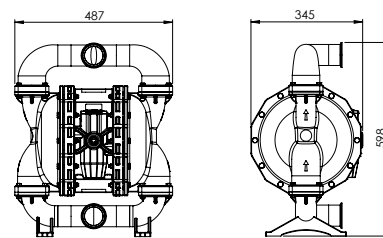


AISI 316 ELECTRO-POLISHED

Fluid connections **2”1/2 TRI-CLAMP**
 Air connection **3/4” BSP**
 Max. Flow rate **700 lt/min**
 Max air pressure **8 bar**
 Max delivery head **80 m**
 Max Suction Lift Dry **5 m**
 Max Suction Lift Wet **9,8 m**
 Max Solid passing **8,5 mm**
 Noise level: **78 dB**
 Max Viscosity: **50.000 cps**
 Displacement per Stroke: **3050 CC ~**

Ex ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
51 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0700	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	EF = STANDARD

PHOENIX FOOD 1000

TECHNICAL DATA

PERFORMANCE

PF 1000

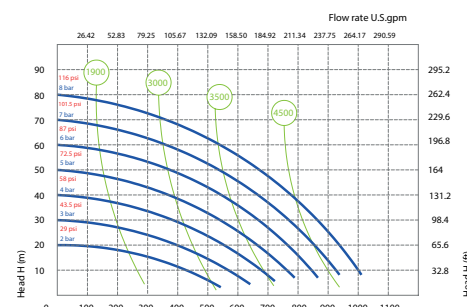
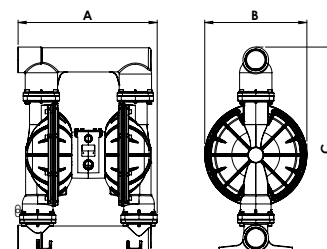


AISI 316 ELECTRO-POLISHED

Fluid connections **3” BSP**
 Air connection **3/4” BSP**
 Max. Flow rate **1050 lt/min**
 Max air pressure **8 bar**
 Max delivery head **80 m**
 Max Suction Lift Dry **5 m**
 Max Suction Lift Wet **9,8 m**
 Max Solid passing **12 mm**
 Noise level: **82 dB**
 Max Viscosity: **55.000 cps**
 Displacement per Stroke: **9750 CC ~**

Ex ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
111,5 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF1000	S = SS POLISHED	HT = HYTREL+PTFE	T = PTFE S = SS	S = SS	T = PTFE	3 = TRI-CLAMP 1 = BSP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD



SPECIAL PUMPS

Air operated double diaphragms pumps
with special features:

PHOENIX ATEX certification zone I ATEX

ACCURATE PHOENIX remote control

DRUM PHOENIX to empty drums and tanks

TWIN PHOENIX with double inlet/outlet

POWDER PHOENIX to handle powder transferring

SUBMERSIBLE PHOENIX ready to be submerged directly into the fluid



Tel: ۰۲۱-۴۸۰۰۰۰۴۹

Fax: ۰۲۱-۴۴۹۹۴۶۴۲

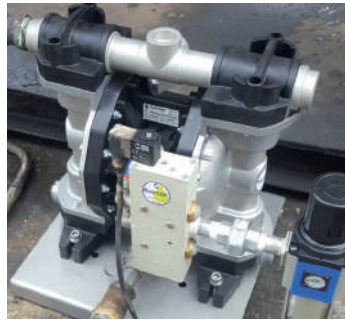
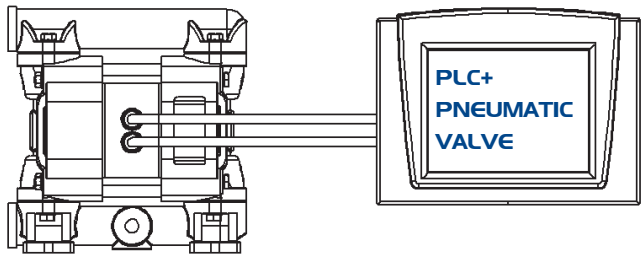
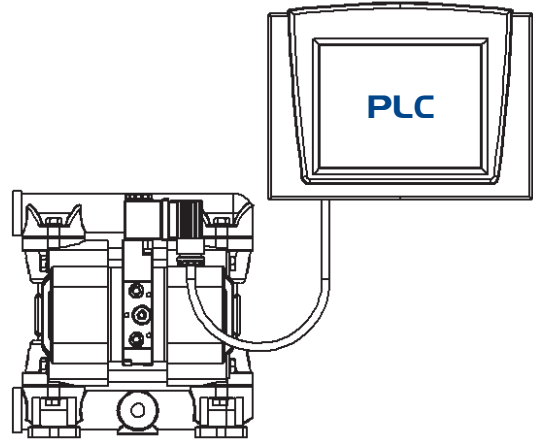
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

www.famcocorp.com

E-mail: info@famcocorp.com

@famco_group



PUMPS

AP7
AP18
AP30
AP60

AP90
AP120
AP170
AP252

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- FLEXOGRAPHIC INDUSTRY
- PAINTING INDUSTRY
- PRINTING INDUSTRY
- WATER TREATMENT

TECHNICAL DATA

DRUM PHOENIX

PUMPS

DP18 - DP30 - DP60 - DP120 - DP170

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- AUTOMOTIVE INDUSTRY
- FOOD INDUSTRY



TECHNICAL DATA

DRUM PHOENIX are designed for emptying drums and containers, and provide an economical and wear resistant alternative to other pumping systems. In order to handle a wide range of fluids, DP pumps are available in all materials. The pump can be quickly and easily mounted on the drum with its feet. The drum will be completely emptied with a suction pipe.

FAMCO
هایپر صنعت

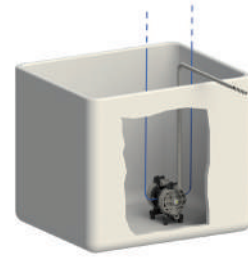
SUBMERSIBLE PHOENIX

PUMPS

ALL RANGE

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- FOOD INDUSTRY
- PETROL-CHEMICAL INDUSTRY



TECHNICAL DATA

SUBMERSIBLE pumps may be submerged into the liquid. It is important to make sure that all components which are in contact with the liquid are chemically compatible. The air exhaust must be led to the atmosphere by means of a hose.

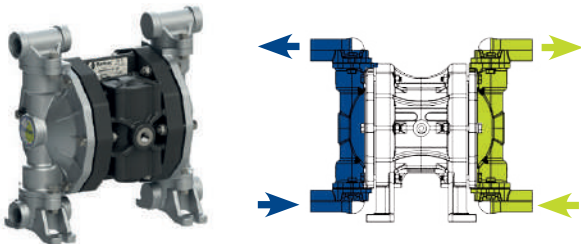
TWIN PHOENIX

PUMPS

ALL RANGE

MAIN APPLICATIONS

- PAINTING INDUSTRY
- WASTEWATER TECHNOLOGY
- PRINTING INDUSTRY
- PAPER PROCESSING
- FLEXOGRAPHIC INDUSTRY



TECHNICAL DATA

TWIN PHOENIX are mainly used in the textile and paper processing industry. These dual action pumps are able to transfer two different media independently and simultaneously. This is accomplished by using separate connections on the suction and discharge ports, keeping two pumped media isolated from each other, preventing unwanted mixing.

POWDER PHOENIX

PUMPS

PP400 - PP700 IN ALU AND SS

MAIN APPLICATIONS

- PAINTING INDUSTRY
- WASTEWATER TECHNOLOGY
- PRINTING INDUSTRY
- FOOD INDUSTRY
- CHEMICAL INDUSTRY



TECHNICAL DATA

POWDER pumps are designed to move bulk powders more effectively throughout your process vs. other unsafe and labor intensive means. These heavy duty pumps will consistently transfer fine-grained, low-bulk density dry powders in a dust-free operation.



DAMPER

Pneumatic, automatic pulsation dampeners Realized in:
PP, PVDF, ALUMINIUM, SS AISI 316, POMc
Applicable to all size of pumps.
ATEX ZONE 2 AND ZONE 1 CERTIFICATION
Available also in FOOD version.





DAMPER

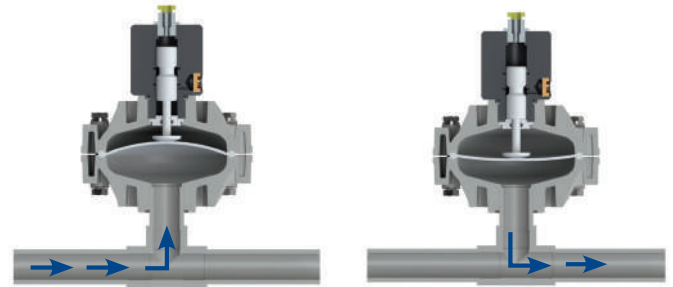
The active pulsation dampener is the most efficient way to remove pressure variations on the discharge of the pump. Flumac pulsation dampener works actively with compressed air, setting automatically the correct pressure to minimize the pulsations. Pulsation dampeners require minimum maintenance and are, subject to the requirements of the application, available in the same housing and diaphragm materials as the pump.

HOW IT WORKS

The pulsating flow of the discharge forces the diaphragm upwards where it is cushioned by the air in the chamber. The flexing of the diaphragm absorbs the pulsation giving a smooth flow.



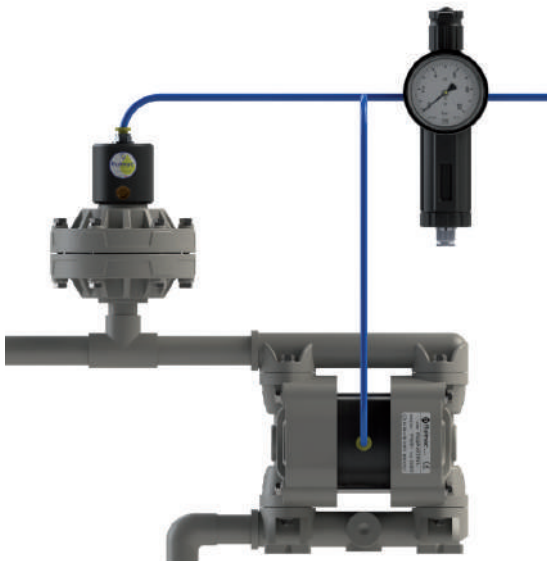
Significant Pulsation Reduction with an average 70% - 80% pulsation reduction in high back pressure applications.



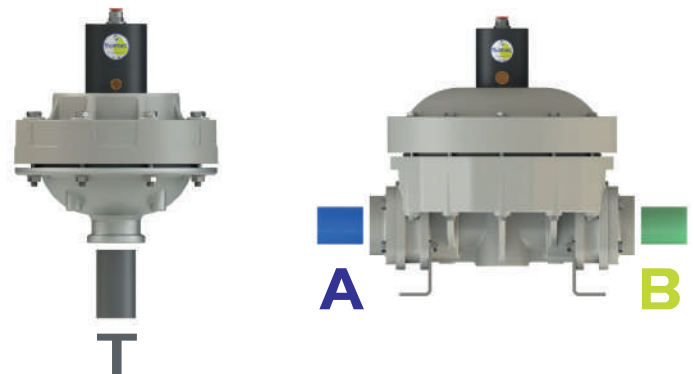
APPLICATION

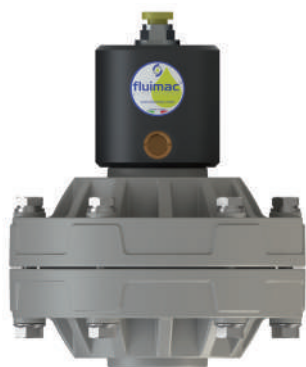
- **METERING/INJECTION/DOSING:**
Equalizes discharge pressure spikes, increasing accuracy;
- **FILTER PRESS/INLINE FILTERS:**
Increases filter efficiency and life by providing a smooth flow;
- **SPRAYING:**
Smooth, consistent spray pattern;
- **FILLING:**
Eliminates inconsistent filling and splashing;
- **TRANSFER:**
Eliminates harmful water hammer, preventing pipe and valve damage.

INSTALLATION



PORT POSITION





PP

Fluid connections **3/4" BSP**
Air connection **6 mm**
Max air pressure **8 bar**
Capacity Volume **80 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

APPLY TO:
7 - 18 - 30



PVDF+CF

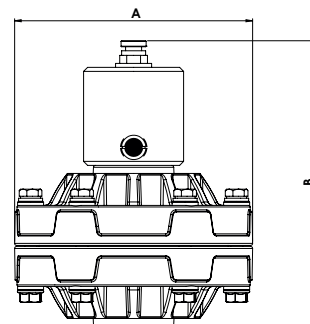


POMc



AISI

	PP	PVDF	POMc	AISI
A (mm)	119	119	119	119
B (mm)	143	143	143	143
Net Weight Kg	0,65	0,7	0,65	2
Max Temperature	+65°C	+95°C	+80°C	+95°C
Min Temperature	-4°C	-20°C	-5°C	-20°C



MODEL	CASING	DIAPHRAGM	CONNECTIONS	PORTS
D020	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE	1 = BSP 2 = FLANGE 5 = NPT	T = STANDARD

DAMPER 25

TECHNICAL DATA

DIMENSIONS

D25



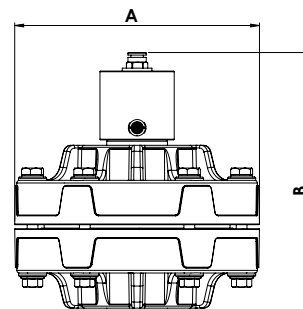
PP

Fluid connections **1" BSP**
Air connection **8 mm**
Max air pressure **8 bar**
Capacity Volume **200 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

APPLY TO:
55 - 60 - 90 - 120

	PP	PVDF	POMc	AISI
A (mm)	181	181	181	181
B (mm)	195	195	195	182
Net Weight Kg	1,75	2	1,9	6,7
Max Temperature	+65°C	+95°C	+80°C	+95°C
Min Temperature	-4°C	-20°C	-5°C	-20°C



PVDF+CF



POMc



AISI

MODEL	CASING	DIAPHRAGM	CONNECTIONS	PORTS
D025	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR	1 = BSP 2 = FLANGE 5 = NPT	T = STANDARD AB = SS

D40



PP

Fluid connections **1 1/2 BSP**
 Air connection **10 mm**
 Max air pressure **8 bar**
 Capacity Volume **700 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

APPLY TO:
170 - 252 - 400



PVDF+CF



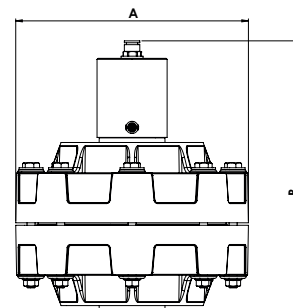
POMc



AISI

MODEL	CASING	DIAPHRAGM	CONNECTIONS	PORTS
D040	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR	1 = BSP 2 = FLANGE 5 = NPT	T = STANDARD

	PP	PVDF	POMc	AISI
A (mm)	231	231	231	231
B (mm)	270	270	270	267
Net Weight Kg	4	4,6	4,2	5,6
Max Temperature	+65°C	+95°C	+80°C	+95°C
Min Temperature	-4°C	-20°C	-5°C	-20°C



D50



PP

Fluid connections **2" BSP**
 Air connection **12 mm**
 Max air pressure **8 bar**
 Capacity Volume **2900 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

APPLY TO:
700 - 1000



PVDF+CF



ALU



AISI

MODEL	CASING	DIAPHRAGM	O-RING	CONNECTIONS	PORTS
-------	--------	-----------	--------	-------------	-------

	PP	PVDF	ALU	AISI
A (mm)	404	404	400	402
B (mm)	425	425	425	408
Net Weight Kg	14	17	14,5	21,6
Max Temperature	+65°C	+95°C	+80°C	+95°C
Min Temperature	-4°C	-20°C	-5°C	-20°C

