

Pressure Controller



PS-01

- The pressure controller completely replaced traditional pump control system composed of pressure switch, pressure tank and check valve, etc.
- Stop the water in the case of water shortage
- Automatic reset after a stop caused by dry running standard time-interval 60min/1 tests
- Adjustable pressure

| Model | Starting Pressure | Max Allowable Pressure | Rated Voltage | Frequency | Current | Connections | Protection |
|-------|----------------------|------------------------|------------------------|-----------|---------|-------------|------------|
| PS-01 | 1.2bar 1.5bar 2.2bar | 10bar | 110v-120v 220v-240v | 50/60Hz | 10A | G1" male | IP65 |



PS-02A PS-02B PS-02C PS-02D PS-02E PS-02F PS-02G

| Model | Pressure Range | Pressure Setting | Rated Voltage | Frequency | Current | Connections | Protection |
|--------|----------------|---|---|-----------|---------|-------------|--------------------------|
| PS-02A | 1.4-6.9bar | 1.4-2.8bar 3.4-4.1bar 4.1-5.5bar | 2.1-3.4bar 3.4-4.8bar 4.8-6.9bar | 120V-240V | 50/60Hz | 12A | 1/4"Male &Female IP20 |
| PS-02B | 1.4-12.1bar | 1.4-2.8bar 6.6-8.6bar 9.3-12.1bar | 2.1-3.4bar 3.4-4.8bar 4.8-6.9bar | 120V-240V | 50/60Hz | 12A | 1/4"Male &Female IP20 |
| PS-02C | 0.1-2.0bar | 0.15-0.95bar | | 120V-240V | 50/60Hz | 16(10)A | 1/4"Male &Female IP54 |
| PS-02D | 1.4-6.9bar | 1.4-2.8bar 3.4-4.1bar 4.1-5.5bar | 2.1-3.4bar 3.4-4.8bar 4.8-6.9bar | 120V-240V | 50/60Hz | 12A | 1/4"Male &Female IP20 |
| PS-02E | 1.4-6.9bar | 1.4-2.8bar 3.4-4.1bar 4.1-5.5bar | 2.1-3.4bar 3.4-4.8bar 4.8-6.9bar | 110v-240v | 50/60Hz | 12A | 1/4"Male &Female IP20 |
| PS-02F | 1.0-5.5bar | 1.0-2.4bar 2.1-3.4bar 3.4-5.5bar 8.3-10.3bar | 1.4-2.8bar 2.8-4.1bar 6.6-8.6bar 9.3-12.1bar | 110v-240v | 50/60Hz | 16(10)A | 1/4"Male &Female IP54 |
| PS-02G | 1.4-5.5bar | 1.0-2.4bar 2.1-3.4bar 3.4-5.5bar | 1.4-2.8bar 2.8-4.1bar | 110v-240v | 50/60Hz | 16(10)A | 1/4"Male &Female IP54 |



PS-01A PS-01B PS-01C PS-01D PS-01E

| Model | Starting Pressure | Max Allowable Pressure | Rated Voltage | Frequency | Current | Connections | Protection |
|--------|-------------------|------------------------|------------------------|-----------|---------|------------------------------------|------------|
| PS-01A | 1.5bar 2.2bar | 10bar | 100v-120v 220v-240v | 50/60Hz | 10A | G1" male | IP65 |
| PS-01B | 1.5bar 2.2bar | 10bar | 100v-120v 220v-240v | 50/60Hz | 10A | inlet G1"male. outlet G1"female | IP65 |
| PS-01C | 1.5bar 2.2bar | 10bar | 100v-120v 220v-240v | 50/60Hz | 10A | inlet G1"male. outlet G1"female | IP65 |
| PS-01D | 1.5-3.0bar | 10bar | 100v-120v 220v-240v | 50/60Hz | 10A | G1" male | IP65 |
| PS-01E | 1.5bar 2.2bar | 10bar | 100v-120v 220v-240v | 50/60Hz | 10A | G1" male | IP65 |

| Model | Pressure Range | Rated Voltage | Frequency | Current | Connections | Protection |
|--------|----------------|--------------------------|--------------------------|-----------|-------------|--------------------------------|
| PS-03A | 0.5-3bar | 1.0-1.7bar 1.4-2.2bar | 1.1-1.8bar 2.2-3.0bar | 50/60Hz | 5A | 1/4"&3/8" Male &Female IP20 |
| PS-03B | 0.5-3bar | 1.0-1.7bar 1.4-2.2bar | 1.1-1.8bar 2.2-3.0bar | 110v-240v | 5A | 1/4"&3/8" Male &Female IP20 |



PS-03A PS-03B

| Model | Pressure Range | Pressure Setting | Rated Voltage | Frequency | Current | Connections | Protection |
|--------|----------------|--|--|-----------|---------|-------------|--------------------------------|
| PS-04A | 20-100psi | 1.4-2.8bar 3.4-4.1bar 4.1-5.5bar | 2.1-3.4bar 3.4-4.8bar 4.8-6.9bar | 120v-240v | 50/60Hz | 12A | 1/4"&3/8" Male &Female IP20 |
| PS-04B | 15-80psi | 1.0-2.4bar 2.1-3.4bar 3.4-5.5bar | 1.4-2.8bar 2.8-4.1bar | 110v-240v | 50/60Hz | 16(10)A | 1/4"Male &Female IP54 |



PS-04A PS-04B

Pump Accessories



PS-05A

PS-05B

PS-05C

PS-05D

| Model | Starting Pressue | Max Allowable Pressure | Rated Voltage | Frequency | Current | Connections | Propection |
|--------|----------------------|------------------------|-------------------------------|-----------|---------|-------------|------------|
| PS-05A | 1.2bar 1.5bar 2.2bar | 10bar | 100-120V 2HP 220V-240V 3HP | 50/60Hz | 30(16)A | G1" male | IP65 |
| PS-05B | 1.5bar 2.2bar | 10bar | 100-120V 220V-240V | 50/60Hz | 10A | G1" male | IP65 |
| PS-05C | 1.5bar 2.2bar | 10bar | 100-120V 220V-240V | 50/60Hz | 10A | G1" male | IP65 |
| PS-05D | 1.5bar 2.2bar | 10bar | 100-120V 220V-240V | 50/60Hz | 10A | G1" male | IP65 |

| Model | Starting Pressue | Stopping Pressure | Min Differential Pressure | Max Differential Pressure | Max Rated Current | Max Allowable Pressure | Rated Voltage | Frequency | Propection |
|-------|------------------|-------------------|---------------------------|---------------------------|-------------------|------------------------|-----------------------|-----------|------------|
| PS-06 | 0-6bar | 2-10bar | 1bar | 7bar | 10A | 10bar | 100-120V 220V-240V | 50/60Hz | IP65 |



PS-06

| Model | Starting Pressue | Max Allowable Pressure | Rated Voltage | Frequency | Current | Connections | Propection |
|-------|------------------|------------------------|-----------------------|-----------|---------|-------------|------------|
| PS-15 | 1.0-3.5bar | 10bar | 100-120V 220V-240V | 50/60Hz | 10A | G1" male | IP65 |



PS-15

Float Switch

| Model | Voltage | Current | Ambient Temperature |
|-------|----------|---------|---------------------|
| FLO-1 | 220-240V | 8A | 0-80°C |
| FLO-2 | 220-240V | 8A | 0-80°C |



FLO

Rc Running Capacitor With Round Shape

| Model | Voltage | Frequency |
|--------|-----------|-----------|
| 8UF | 250V/450V | 50/60Hz |
| 10UF | 250V/450V | 50/60Hz |
| 12.5UF | 250V/450V | 50/60Hz |
| 20UF | 250V/450V | 50/60Hz |
| 25UF | 250V/450V | 50/60Hz |
| 30UF | 250V/450V | 50/60Hz |
| 40UF | 250V/450V | 50/60Hz |
| 50UF | 250V/450V | 50/60Hz |
| 60UF | 250V/450V | 50/60Hz |



UF

Rg Pressupe Gauge

| Size | Model | PG-P | PG-SS | PG-S |
|------|-------|--------|---------|--------|
| 40mm | | PG-P40 | PG-SS40 | PG-S40 |
| 50mm | | PG-P50 | PG-SS50 | PG-S50 |



PG

Three Type Type Shell:

(1) PG-P:plastic (2) PG-SS:stainless steel (3) PG-S:steel
Two Type Connection: Back / Bottom connection
The Connection Have Two Type: (1) G1 / 411 (2) M10 x 1
For 40mm gauge.The scale is 0-6 bar
For 50mm gauge.The scale is 0-10 bar or 0-6 bar

Ms Mechanical Seal

| Model | Shaft Dia |
|----------|-----------|
| MS301-12 | 12mm |
| MS301-14 | 14mm |
| MS155-15 | 15mm |
| MS155-17 | 17mm |
| MS155-20 | 20mm |
| Ms155-22 | 22mm |
| MS155-24 | 24mm |



MS

Graphite to cermic or graphite to SiC
stainless steel spring and coyer

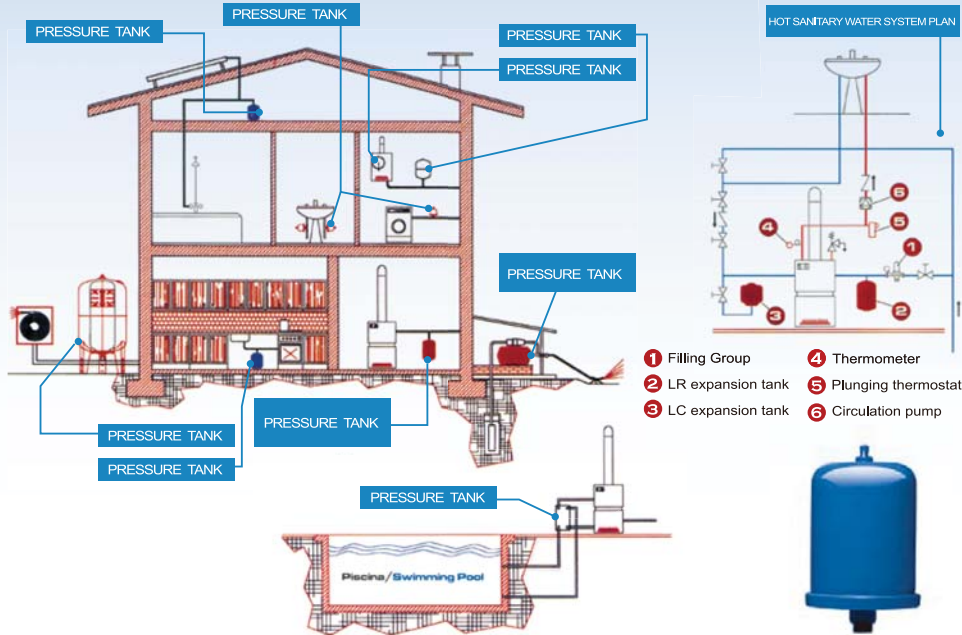
Fh Anti Vibration Flexible Hose With Elbow

| Model | Connection | Length |
|-------|------------|--------|
| FH50 | 1" x 1" | 50cm |
| FH60 | 1" x 1" | 60cm |
| FH100 | 1" x 1" | 100cm |



FH

Pressure Tank



- 1 Filling Group
- 2 LR expansion tank
- 3 LC expansion tank
- 4 Thermometer
- 5 Plunging thermostat
- 6 Circulation pump



| Capacity L CAST IRON | Type | Thickness (mm) | Dimension (mm) | Packaged vol (mm) | G.W. (KG) | N.W. (KG) |
|-------------------------|------------|-------------------|-------------------|----------------------|--------------|--------------|
| 500L | Vertical | 1.5 | Φ650 x 1650 | 650 x 650 x 1820 | 46 | 41.2 |
| 400L | Vertical | 1.5 | Φ650 x 1300 | 650 x 650 x 1470 | 45 | 40.2 |
| 300L | Vertical | 1.5 | Φ650 x 1150 | 650 x 650 x 1205 | 38 | 32.4 |
| 200L | Vertical | 1.5 | Φ650 x 950 | 650 x 650 x 980 | 25.8 | 22.4 |
| 150L | Vertical | 1.5 | Φ450 x 1000 | 460 x 460 x 1140 | 19.2 | 13.4 |
| 100L | Vertical | 1.2 | Φ450 x 760 | 770 x 440 x 440 | 13.2 | 11.5 |
| | Horizontal | 1.2 | Φ450 x 690 | 690 x 440 x 470 | 13.2 | 11.6 |
| 80L | Vertical | 1.2 | Φ450 x 680 | 690 x 440 x 440 | 12.3 | 10.4 |
| | Horizontal | 1.2 | Φ450 x 610 | 620 x 440 x 470 | 12.3 | 10.5 |
| 60L | Vertical | 1.2 | Φ450 x 550 | 560 x 440 x 440 | 9.2 | 8.4 |
| | Horizontal | 1.2 | Φ450 x 480 | 490 x 440 x 480 | 8.8 | 8 |
| 50L | Vertical | 1.0 | Φ350 x 640 | 650 x 340 x 340 | 8.1 | 7.4 |
| | Horizontal | 1.0 | Φ350 x 540 | 540 x 340 x 370 | 7.9 | 7.2 |
| 36L | Vertical | 1.0 | Φ350 x 560 | 570 x 340 x 340 | 6.3 | 5.7 |
| | Horizontal | 1.0 | Φ350 x 450 | 450 x 340 x 370 | 6.1 | 5.4 |
| 24L | Vertical | 1.0 | Φ265 x 440 | 260 x 260 x 450 | 4.5 | 3.6 |
| | Spherical | 1.0 | Φ340 x 340 | 340 x 340 x 350 | 4.5 | 3.6 |
| | Flat | 1.0 | Φ340 x 310 | 330 x 330 x 310 | 4.5 | 3.6 |
| | Horizontal | 1.0 | Φ265 x 440 | 290 x 260 x 450 | 5.3 | 4.5 |
| 19L | Vertical | 1.0 | Φ265 x 390 | 260 x 260 x 390 | 3.5 | 3.2 |
| | Horizontal | 1.0 | Φ265 x 390 | 260 x 290 x 390 | 4.4 | 4 |
| 12L | Vertical | 1.0 | Φ265 x 290 | 260 x 260 x 290 | 3.3 | 2.8 |
| 8L | Horizontal | 1.0 | Φ310 x 200 | 320 x 200 x 220 | 2.2 | 2 |
| 8L | Vertical | 1.0 | Φ200 x 310 | 190 x 190 x 320 | 2 | 1.8 |
| 5L | Vertical | 1.0 | Φ150 x 310 | 150 x 150 x 320 | 2.3 | 1.2 |
| 2L | Vertical | 1.0 | Φ115 x 195 | 115 x 115 x 190 | 1.5 | 0.9 |

| Capacity L S.S | Type | Thickness (mm) | Dimension (mm) | Packaged vol (mm) |
|-------------------|------------|-------------------|-------------------|----------------------|
| 100L | vertical | 1.0 1.2 | Φ450 x 790 | 450 x 450 x 790 |
| | horizontal | 1.0 1.2 | Φ450 x 720 | 450 x 470 x 680 |
| 80L | vertical | 1.0 1.2 | Φ450 x 710 | 450 x 450 x 710 |
| | horizontal | 1.0 1.2 | Φ450 x 630 | 440 x 470 x 620 |
| 60L | vertical | 1.0 1.2 | Φ450 x 570 | 440 x 440 x 560 |
| | horizontal | 1.0 1.2 | Φ450 x 490 | 440 x 480 x 490 |
| 50L | vertical | 1.0 0.8 | Φ350 x 670 | 340 x 340 x 650 |
| | horizontal | 1.0 0.8 | Φ350 x 560 | 340 x 370 x 540 |
| 36L | vertical | 1.0 0.8 | Φ350 x 540 | 340 x 370 x 560 |
| | horizontal | 1.0 0.8 | Φ350 x 450 | 340 x 370 x 450 |
| 24L | vertical | 1.0 1.2 | Φ260 x 430 | 260 x 260 x 430 |
| | horizontal | 1.0 0.8 | Φ255 x 450 | 260 x 290 x 430 |
| 19L | vertical | 1.0 0.8 | Φ265 x 410 | 260 x 260 x 390 |
| | horizontal | 1.0 0.8 | Φ265 x 410 | 265 x 290 x 390 |
| 12L | vertical | 1.0 0.8 | Φ265 x 290 | 260 x 260 x 290 |
| 8L | vertical | 0.8 | Φ200 x 310 | 190 x 190 x 320 |
| 5L | vertical | 0.8 | Φ150 x 290 | 150 x 150 x 320 |



Membrane Di Ricambio / Spare Membranes

-10+99°C

| Capacità l./Capacity l. | Articolo / Item | |
|-------------------------|-----------------|----------|
| | Butyl | Epdm |
| 5 | SV 42008 | SV 4805 |
| 8 | SV 42008 | SV 4808 |
| 12 | SV 42010 | SV 4800 |
| 19 | SV 42019 | SV 48019 |
| 24 | SV 42019 | SV 48024 |
| 25 | SV 42035 | SV 48025 |
| 40 | SV 42020 | SV 48020 |
| 50 | SV 42050 | SV 48050 |
| 60 | SV 42080 | SV 48050 |
| 80 | SV 42080 | SV 48080 |
| 100 | SV42080 | SV 48080 |
| 200 | SV42200 | SV 48200 |
| 300 | SV42300 | SV 48200 |
| 500 | SV42500 | |



Valves & Connectors

FV Foot Valves

| Model | Connection |
|----------|--|
| FV-B2005 | 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |
| FV-B2006 | 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |
| FV-B2007 | 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |
| FV-B2008 | 1" |



FV-B2005 FV-B2006



FV-B2007 FV-B2008

Check Valves

| Model | Connection |
|----------|--|
| CV-B2001 | 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |
| CV-B2002 | 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |
| CV-B2003 | 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4" |



CV-B2001 CV-B2002



CV-B2003

3-WAY Connectors

| Model | Connection |
|----------|---------------------|
| R3-B3170 | 1" X (70-72)mm 170g |
| R3-B3180 | 1" X (80-82)mm 180g |
| R3-B3200 | 1" X (70-72)mm 200g |



R3-B3170

4-WAY Connectors

| Model | Connection |
|----------|---------------------|
| R4-B4190 | 1" X (80-82)mm 190g |
| R4-B4200 | 1" X 100 mm 200g |



R4-B4190 R4-B4200



R5-B5170 R5-B5190A R5-B5200 R5-B5260 R5-B5260A

5-WAY Connectors

| Model | Connection |
|-----------|-----------------------|
| R5-B5170 | 1" X (70-72)mm 170g |
| R5-B5175 | 1" X (75-77)mm 175g |
| R5-B5175 | 1" X (75-77)mm 175g |
| R5-B5190 | 1" X (80-82)mm 190g |
| R5-B5210 | 1" X (70-72)mm 210g |
| R5-B5190A | 1" X (80-82)mm 190g |
| R5-B5200 | 1" X 91mm 200g/245g |
| R5-B5260 | 1" X (110-120)mm 260g |
| R5-B5260A | 1" X 110mm 260g |
| R5-B5280A | 1-1/4" X 80mm 280g |
| R5-B5208 | 1" X 80mm 200g |
| R5-B5366 | 1" X 80mm 366g |



R5-B5280A R5-B5208



R5-B5366

Grandezze Geometriche

Geometrical Units - Grandeurs Geometriques



| | | | | | | | | | |
|------|----------------|------|------------------|------|-----------------|------|-----------------|------|------------------|
| 4003 | Heather violet | 5026 | Pearl night blue | 6018 | Yellow green | 1002 | Sand yellow | 9022 | Pearl light grey |
| 4011 | Pearl violet | 5022 | Night blue | 6017 | May green | 1026 | Luminous yellow | 9007 | Grey aluminium |
| 4006 | Traffic purple | 5013 | Cobalt blue | 6010 | Grass green | 1023 | Traffic yellow | 9006 | White aluminium |
| 4008 | Signal violet | 5002 | Ultramarine blue | 6001 | Emerald green | 1018 | Zinc yellow | 7004 | Signal grey |
| 3024 | Luminous red | 5012 | Light blue | 6002 | Leaf green | 1016 | Sulfur yellow | 7040 | Window grey |
| 3018 | Strawberry red | 5015 | Sky blue | 6016 | Turquoise green | 1028 | Melon yellow | 7042 | Traffic grey |
| 3031 | Orient red | 5017 | Traffic blue | 6026 | Opal green | 1007 | Daffodil yellow | 7011 | Iron grey |
| 3027 | Raspberry red | 5005 | Signal blue | 6029 | Mint green | 2000 | Yellow orange | 7031 | Blue grey |
| 3020 | Traffic red | 5010 | Gentian blue | 6032 | Signal green | 2007 | Luminous orange | 7021 | Black grey |
| 3013 | Tomato red | 5009 | Azure blue | 6024 | Traffic green | 2011 | Deep orange | 9004 | Signal black |
| 3000 | Flame red | 5003 | Sapphire blue | 6035 | Pearl green | 2010 | Signal orange | 9005 | Jet black |
| 3001 | Signal red | 5001 | Green blue | 6005 | Moss green | 2009 | Traffic orange | 9011 | Graphite black |
| 3011 | Brown red | 5000 | Violet blue | 5021 | Water blue | 8023 | Orange brown | 9017 | Traffic black |

Volume

Volume

| Unita - unit - unite | mm ³ | cm ³ | m ³ | cu. in. | cu. ft. | cu. yd. |
|--------------------------------|-----------------|-----------------|----------------|----------|---------|----------|
| Millimetro cubo | 1 | 0.001 | - | 0.000061 | - | - |
| Cubic millimeter | | | | | | |
| Millimetre cube | | | | | | |
| Centimetro cubo | 10000 | 1 | - | 0.061024 | - | - |
| Cubic centimeter | | | | | | |
| Centimetre cube | | | | | | |
| Metro cubo | - | 1000000 | 1 | 61024 | 35.315 | 1.308 |
| Cubic meter | | | | | | |
| Metre cube | | | | | | |
| Cubic inch(pollice cubico) .. | 16390 | 16.39 | - | 1 | 0.00058 | 0.000021 |
| Cubic inch | | | | | | |
| Cubic inch(pouce cube) | | | | | | |
| Cubic foot(piede cubico) | - | 28300 | 0.0283 | 1728 | 1 | 0.037 |
| Cubic foot | | | | | | |
| Cubic yard(yarda cubica) | - | 764552 | 0.764552 | 46656 | 27 | 1 |
| Cubic yard | | | | | | |
| Cubic yard(pied cube) | | | | | | |

Misure Di Capacita Straniere Compareate Allitro

Foreigndry liquid measures ascompared with the liter
Mesures de capacite entrangeres comparees au litre

| Unita - Unit - Unite | Raggiuglio Comparison Correction | Unita Unit Unite | Raggiuglio Comparison Correction |
|-------------------------------|----------------------------------|------------------|----------------------------------|
| Imperial fluid ounce | 0.0284 litri | litro | 35.2 Imp. ft. oz. |
| (oncia ingl. Per liquidi) | liters | liter | |
| Imperial fluid ounce | litres | litre | |
| Imperial fluid ounce | | | |
| (once anglaise pour liquides) | | | |
| U.S. fluid ounce | 0.0295 litri | litro | 33.81 U.S. ft. oz. |
| (oncia amer. Per liquidi) | | | |
| U.S. fluid ounce | liters | liter | |
| U.S. fluid ounce | litres | litre | |
| (once anglaise pour liquides) | | | |
| Imperial pint | 0.568 litri | litro | 1.76 Imp. pint. |
| (pinta inglese) | | | |
| Imperial pint | liters | liter | |
| Imperial pint | litres | litre | |
| (Pinte anglaise) | | | |
| U.S. gallon | 3.785 litri | litro | 0.2642 U.S. gal. |
| (gallone americano) | | | |
| U.S. gallon | liters | liter | |
| U.S. gallon | litres | litre | |
| (gallon americane) | | | |
| Imperial gallon | 4.546 litri | litro | 0.22 Imp. gal. |
| (gallone inglese) | | | |
| Imperial gallon | liters | liter | |
| Imperial gallon | litres | litre | |
| (gallon anglais) | | | |
| U.S. bushel | 35.24 litri | litro | 0.0284 U.S. bu. |
| (Stajo americano) | | | |
| U.S. bushel | liters | liter | |
| U.S. bushel | litres | litre | |
| (buisseau americain) | | | |
| Imperial bushel | 36.35 litri | litro | 0.0275 Imp. bu. |
| (Stajo inglese) | | | |
| Imperial bushel | liters | liter | |
| Imperial bushel | litres | litre | |
| (buisseau anglais) | | | |
| U.S. barrel | 119.22 litri | litro | 0.0083 U.S. bbl. |
| (barile americano) | | | |
| U.S. barrel | liters | liter | |
| U.S. barrel | litres | litre | |
| (baril americain) | | | |
| Imperial barrel | 163.65 litri | litro | 0.00611 Imp. Bbl. |
| (barile inglese) | | | |
| Imperial barrel | liters | liter | |
| Imperial barrel | litres | litre | |
| (baril anglais) | | | |

Cenni Sulle Pompe Centrifughe
Hints on centrifugal pumps
Notices sur les pompes centrifuges

Calcolo della potenza assorbita pa(know):
Calculation of absorbed power pa(knowing):
Calcul de la puissance absorbee pa:

Q - portata in l/s
Q - capacity l/s
Q - debit en litres/s

H - preval. man. tot. in m
H - Total Manometric Head in m
H - hauteur manometrique tot. en m

- rendimento
- Efficiency
- rendement

- densita in Kg/dm³
- Density in Kg/dm³
- densite en Kg/dm³

$$Pa = \frac{Q \cdot H}{102} \text{ [kw]}$$

Calcolo del rendimento (noti):
Calculation of efficiency (knowing):
Calcul du rendement:

Q - portata in l/s
Q - capacity l/s
Q - debit en litres/s

H - preval. man. tot. in m
H - Total Manometric Head in m
H - hauteur manometrique tot. en m

Pa - potenza assorbita in kw
Pa - Absorbed power in kw
Pa - puissance absorbee en kw

- densita in Kg/dm³
- Density in Kg/dm³
- densite en Kg/dm³

$$\eta = \frac{Q \cdot H}{102 \cdot Pa}$$

Curve di funzionamento:
performance curves:
Courbes de fonctionnement:

Fra le curve di funzionamento di unapompa centrifuga a varie velocita pancheron intervengano fenomeni di cavitazione, sussiste la legge di affinita che possiamo cosi praticamente esprimere:
le curve Q-H e Q-Pa an. giri si cambiano in Q1-H1 e Q1-Pa1 a n1 giri.Secondo:

Provided no cavitation occurs, the performance curves of avariable-speed centrifugal pump are subject to the affinity law which we can practically state as follows:Curves Q-H and Q-NaIn. revolutions change to Q1-H1 and Q1-N1 atn1 revolutions accortigto:
Entre les courbes de fonclinnement d1 unepompe centrifuge a differentes vitesses, a condition que n1 intervienent pas desque nous indiquons comme suit: les courbes Q-Het Q-Paan. Tours.changenten Q1 -H1 et Q1 -Pa1 a n. Tours.
Selon:

$$Q' = \left(\frac{n'}{n}\right) \cdot Q \quad H' = \left(\frac{n'}{n}\right)^2 \cdot H$$

$$PA' = \left(\frac{n'}{n}\right)^3 \cdot PA$$

Lunghezza Length - Longueur

| Unita - Unit - Unite | mm | cm | dm | m | km | in | ft | yd | Stat. Mile | Naut. Mile |
|----------------------------------|---------|--------|---------|---------|----------|---------|----------|----------|------------|------------|
| Millimetro | 1 | 0.1 | 0.01 | 0.001 | - | 0.03937 | 0.003281 | 0.001093 | - | - |
| Millimeter | | | | | | | | | | |
| Millimetre | | | | | | | | | | |
| Centimetro | 10 | 1 | 0.1 | 0.01 | 0.00001 | 0.3937 | 0.03281 | 0.010936 | - | - |
| Centimeter | | | | | | | | | | |
| Centimetre | | | | | | | | | | |
| Dentimetro | 100 | 10 | 1 | 0.1 | 0.0001 | 3.937 | 0.3281 | 0.10936 | - | - |
| Demimeter | | | | | | | | | | |
| Decimetre | | | | | | | | | | |
| Metro | 1000 | 100 | 10 | 1 | 0.001 | 39.37 | 3.281 | 1.0936 | 0.000621 | 0.000539 |
| Meter | | | | | | | | | | |
| Metre | | | | | | | | | | |
| Chilometro | 1000000 | 100000 | 10000 | 1000 | 1 | 39370 | 3281 | 1093.6 | 0.62137 | 0.5396 |
| Kilometer | | | | | | | | | | |
| Kilometre | | | | | | | | | | |
| Inch(pollice) | 25.4 | 2.54 | 0.254 | 0.0254 | 0.000025 | 1 | 0.0833 | 0.0277 | - | - |
| Inch | | | | | | | | | | |
| Inch(pouce) | | | | | | | | | | |
| Foot(piede) | 304.8 | 30.48 | 3.048 | 0.3048 | 0.000304 | 12 | 1 | 0.333 | - | - |
| Foot | | | | | | | | | | |
| Foot(pied) | | | | | | | | | | |
| Yard(yarda) | 914.4 | 91.44 | 9.144 | 0.9144 | 0.000914 | 36 | 3 | 1 | 0.000567 | 0.000493 |
| Yard | | | | | | | | | | |
| Yard(yard) | | | | | | | | | | |
| Statute mile(miglio terr) | 1609300 | 160930 | 16093 | 1609.3 | 1.6093 | 63360 | 5280 | 1760 | 1 | 0.869 |
| Statute mile | | | | | | | | | | |
| Statute mile(mille terrestre) .. | | | | | | | | | | |
| Nautical mile(miglio mar) | 1853180 | 185318 | 18531.8 | 1853.18 | 1.85318 | 72960 | 6080 | 2027 | 1.152 | 1 |
| Nautical mile | | | | | | | | | | |
| Nautical mile(mille marin) | | | | | | | | | | |

Superficie Square Measure - Superficie

| Unita - Unit - Unite | cm ² | m ² | ha | km ² | sq. in. | sq. ft. | sq. yd. | sq. mile | acre |
|--------------------------------|-----------------|----------------|--------|-----------------|---------|---------|---------|----------|-------|
| Centimetro quadrato | 1 | 0.0001 | - | - | 0.155 | - | - | - | - |
| Square centimeter | | | | | | | | | |
| Centimetre carre | | | | | | | | | |
| Metro quadrato | 10000 | 1 | 0.0001 | - | 1550 | 10764 | 1.196 | - | - |
| Metro quadrato | | | | | | | | | |
| Square meter | | | | | | | | | |
| Metre carre | | | | | | | | | |
| Ettaro | - | 10000 | 1 | 0.01 | - | - | 11960 | 0.003861 | 2.471 |
| Hectare | | | | | | | | | |
| Hectare | | | | | | | | | |
| Chilometro quadrato | - | 1000000 | 100 | 1 | - | - | - | 0.3861 | 247.1 |
| Square kilometer | | | | | | | | | |
| Kilometre carre | | | | | | | | | |
| Square inch(pollice quadr.) .. | 6.452 | 0.000645 | - | - | 1 | - | - | - | - |
| Square inch | | | | | | | | | |
| Square inch(pouce carre) | | | | | | | | | |
| Square foot(piede quadr.) .. | 929 | 0.0929 | - | - | 144 | 1 | 0.1111 | - | - |
| Square foot | | | | | | | | | |
| Square foot(pied carre) | | | | | | | | | |
| Square yard(yarda quadr.) .. | 8361 | 0.8361 | - | - | 1296 | 9 | 1 | - | - |
| Square yard | | | | | | | | | |
| Square yard(yard carre) | | | | | | | | | |
| Square milo(miglio quadr.) .. | - | 2590000 | 259 | 2.59 | - | - | - | 1 | 640 |
| Square mile | | | | | | | | | |
| Square mile(mille carre) | | | | | | | | | |
| Acre(acro) | - | 4047 | 0.4047 | - | - | 43560 | - | 0.0015 | 1 |
| Acre | | | | | | | | | |
| Acre(acre) | | | | | | | | | |