

ACCESSORIES



ACCESSORIES INTRODUCTION



OPTIMIZE PERFORMANCE AND SIMPLIFY INSTALLATION

Clog Prevention

- Liquid strainers
- Filtration assemblies
- Air line filters

Ensure Proper Flow Control and Regulation

- Solenoid valves, pressure relief valves and more
- Air pressure regulators
- Liquid pressure regulators

Simplify Nozzle Mounting and Positioning

- Split-eyelet connectors
- Swivels
- Fittings

SIMPLIFY INSTALLATION, OPERATION AND MAINTENANCE:



Prevent particles and debris from obstructing flow with nozzle and fluid line strainers. Choose from a wide range of inlet connections, materials, mesh size and more. **See page G4**



Regulate liquid pressure from 5 to 125 psi (0.3 to 8.5 bar) with our durable diaphragm-type non-relieving liquid regulators. Choose from a wide range of materials. **See page G12**



Connect nozzles to pipes in minutes with leak-proof split-eyelet connectors. Connectors clamp on 1/4" to 4" pipes. **See page G19**

ACCESSORIES TABLE OF CONTENTS



LIQUID STRAINERS

| | PAGE |
|--------------------------------------|------|
| TWD, 16106, 9830 and AA122 Strainers | G4 |
| AA124/AA430 Strainers | G5 |

AIR LINE FILTERS

| | PAGE |
|---------------|------|
| 11438 Filters | G9 |

LIQUID PRESSURE GAUGES

| | PAGE |
|------------------------|------|
| 26383 and 26385 Gauges | G11 |

LIQUID AND AIR PRESSURE REGULATORS

| | PAGE |
|------------------|------|
| 11438 Regulators | G12 |

SOLENOID VALVES

| | PAGE |
|------------------------|------|
| 2-Way and 3-Way Valves | G14 |

BALL VALVES

| | PAGE |
|------------------|------|
| AA(B)344M Valves | G16 |

PLUG VALVES

| | PAGE |
|--------------|------|
| 23220 Valves | G17 |

MOUNTING & POSITIONING ACCESSORIES

| | PAGE |
|-------------------------|------|
| Extensions | G18 |
| Split-Eyelet Connectors | G19 |
| Mounting Kits | G21 |
| Spray Pipe Assembly | G21 |
| Pipe Hanger | G22 |
| Wall Mount Adapters | G22 |

OTHER ACCESSORIES

| | PAGE |
|---------------------------|------|
| Pressure Tanks | G23 |
| Level Switches | G24 |
| Ajustable Siphon Injector | G25 |

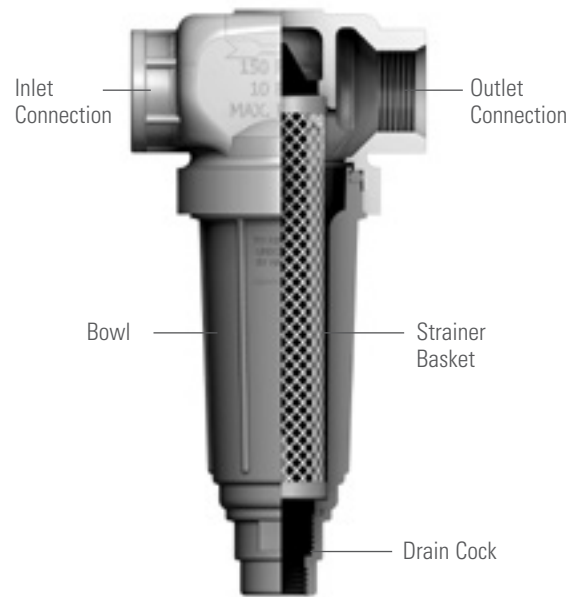


OVERVIEW: LIQUID STRAINERS

- Liquid strainers protect nozzles, valves and pumps from damaging debris and minimize clogging
- Wire mesh options ensure screening of particulate as small as 63 microns

T-Style Strainer

T-strainers feature a removable bottom cap or plug for complete withdrawal of the screen assembly during cleaning. On some models, the bottom pipe plug can be replaced with a drain cock for quick-flush cleaning. Models with a clear nylon bowl allow easy visual inspection of the internal screen. Self-clean designs allow filtered liquid to pass through, while liquid particles are returned back to the liquid supply through a return outlet.

**STRAINER OPTIONS****TWD**

- 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn.
- Removable bottom plug for easy screen cleaning
- Bottom plug can be replaced with drain cock for flush cleaning
- Max. pressure: 300 psi (20 bar)
- Materials: Brass, stainless steel
- Mesh: 16, 30, 50, 80, 100, 40 x 200 Dutch weave

**16106**

- 1-1/2", 2", 2-1/2" female conn.
- Removable bottom plug for easy screen cleaning
- Bottom plug can be replaced with drain cock for flush cleaning
- Max. pressure: 200 psi (14 bar)
- Materials: Brass, stainless steel
- Mesh: 16, 50, 80, 100

**9830**

- 3/4", 1" female conn.
- Hand removable ribbed bottom cap for easy cleaning of screen
- Max. pressure: 300 psi (20 bar)
- Materials: Aluminum, brass, ductile iron
- Mesh: 16, 50, 100

**AA122**

- 1/2", 3/4" female conn.
- Hand removable outer bowl for easy screen cleaning
- Max. pressure: 150 psi at 100°F (10 bar at 38°C)
- Materials: Polypropylene, polypropylene head with clear nylon bowl
- Mesh: 15, 30, 50, 80, 100, 200, 40 x 200 Dutch weave



STRAINER OPTIONS

AA124/AA430

- 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn. (Inlet connections vary. See pages G7 and G8.)
- Larger size screen area requires less frequent cleaning
- Self-cleaning styles and versions with mounting lugs available
- AA124 and AA430 versions are the same except for materials and inlet connections



| Strainer Type | Strainer Part No. | Material* | Max. Pressure | Mesh Sizes |
|-----------------------------|-------------------|-------------------------------|------------------|----------------------------------|
| 124 | AA124-AL | Aluminum head/nylon bowl | 150 psi (10 bar) | 16, 30, 50, 80, 100 |
| 124ML with mounting holes** | AA124ML-AL | Aluminum head/nylon bowl | 150 psi (10 bar) | 16, 30, 50, 80, 100 |
| 124A self-cleaning version | AA124ASC-NYB | Aluminum head/nylon bowl | 110 psi (8 bar) | 16, 30, 50, 80, 100 |
| 430ML with mounting holes** | AA430ML | Polypropylene head/nylon bowl | 110 psi (8 bar) | 16, 30, 50, 80, 100, 120, 200*** |
| 430 self-cleaning version | AA430SC | Polypropylene head/nylon bowl | 75 psi (5 bar) | 16, 30, 50, 80, 100, 120, 200*** |

* Max. temperature for plastic 100°F (38°C); max. temperature for metal 180°F (82°C).

** For mounting on machinery or angle iron.

*** 120 only for 1-1/4" and 1-1/2" sizes; 200 only for 3/4" and 1" sizes.

MESH SELECTION GUIDE

| Mesh Size | Wire Dia. (mm) | Mesh Opening (mm) | Mesh Opening (microns) | Percentage Open Area | Orifice Dia. (mm) |
|----------------------|----------------|-------------------|------------------------|----------------------|-------------------|
| 16 | 0.41 | 1.15 | 1143 | 55.4 | 0.80 and larger |
| 20 | 0.41 | 0.87 | 864 | 46.2 | 0.80 and larger |
| 30 | 0.31 | 0.55 | 541 | 40.8 | 0.80 and larger |
| 50 | 0.23 | 0.28 | 279 | 30.3 | 0.80 and larger |
| 60 | 0.19 | 0.24 | 234 | 30.5 | 0.47 through 0.79 |
| 80 | 0.14 | 0.18 | 177 | 31.4 | 0.47 through 0.79 |
| 100 | 0.12 | 0.14 | 140 | 30.3 | 0.47 through 0.79 |
| 120 | 0.09 | 0.12 | 118 | 30.1 | 0.47 through 0.79 |
| 200 | 0.05 | 0.07 | 74 | 33.6 | Up through 0.46 |
| 40 x 200 Dutch Weave | 0.18 x 0.13 | 0.08 | 63 | — | Up through 0.46 |

MATERIAL OPTIONS

| Material | Code |
|-------------------------------------|---------|
| Aluminum | AL |
| Brass | B |
| Ductile Iron | No code |
| Nylon | NYB |
| Polypropylene | PP |
| Polypropylene head/clear nylon bowl | NYC |
| 303 stainless steel | SS |
| 316 stainless steel | 316SS |

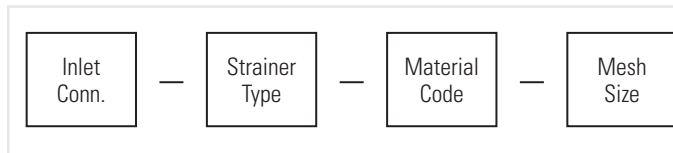
PLACING YOUR ORDER

Call 1.630.665.5000 for application assistance or to place an order.



ORDERING INFORMATION

TWD STRAINER

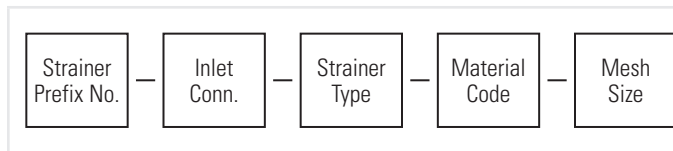


EXAMPLE



BSPT connections require the addition of a "B" prior to the inlet connection.

16106 STRAINER

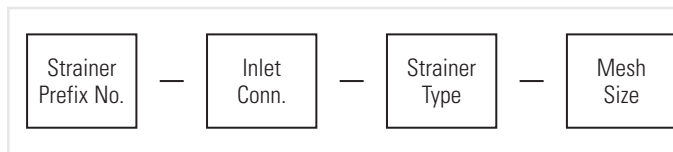


EXAMPLE



BSPT connections require the addition of a "B" prior to the inlet connection.

9830 STRAINER

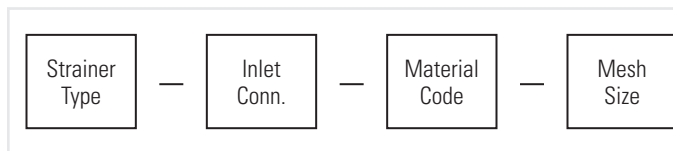


EXAMPLE



BSPT connections require the addition of a "B" prior to the inlet connection.

AA122 STRAINER

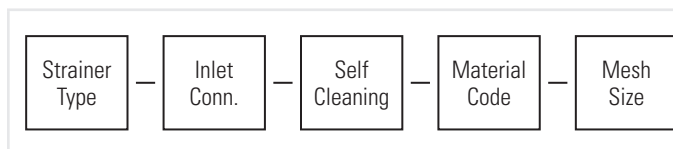


EXAMPLE



BSPT connections require the addition of a "B" prior to the inlet connection.

AA124/AA430 SELF-CLEANING STRAINER



EXAMPLE

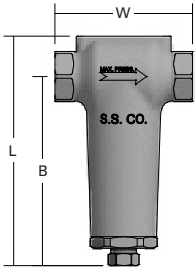
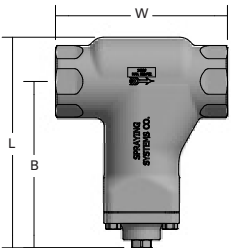
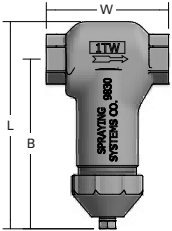
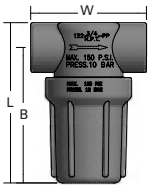
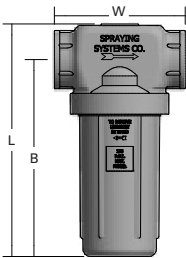


BSPT connections require the addition of a "B" prior to the inlet connection.

PLACING YOUR ORDER

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or to place an order.

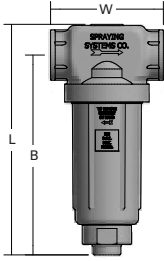
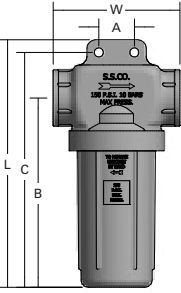
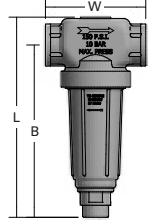
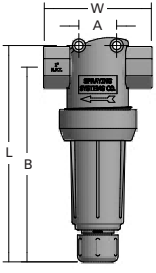
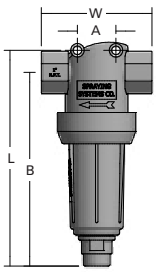
DIMENSIONS AND WEIGHTS

| Strainer | Accessory Type | Inlet Conn. (in.) | L (mm) | W (mm) | A (mm) | B (mm) | C (mm) | Net Weight (kg) |
|---|----------------|-------------------|--------|--------|--------|--------|--------|-----------------|
|  | TWD | 1/4 | 99.6 | 63.5 | – | 82.2 | – | 0.71 |
| | | 3/8 | 124.6 | 82.6 | – | 100.7 | – | 0.80 |
| | | 1/2 | 124.6 | 82.6 | – | 100.7 | – | 0.80 |
| | | 3/4 | 191.4 | 114.3 | – | 158.1 | – | 2.28 |
| | | 1 | 191.4 | 114.3 | – | 158.1 | – | 2.17 |
| | | 1-1/4 | 262.1 | 152.4 | – | 212.9 | – | 5.39 |
| | | 1-1/2 | 262.1 | 152.4 | – | 212.9 | – | 5.20 |
| | | 2 | 314.1 | 203.2 | – | 249 | – | 10.14 |
| 2-1/2 | 314.1 | 203.2 | – | 249 | – | 9.47 | | |
|  | 16106 | 1-1/2 | 228.3 | 184.2 | – | 183.9 | – | 5.35 |
| | | 2 | 287.3 | 235 | – | 227.1 | – | 11.80 |
| | | 2-1/2 | 287.3 | 235 | – | 227.1 | – | 11.14 |
|  | 9830 | 3/4 | 207.8 | 133.4 | – | 182.5 | – | 3.99 |
| | | 1 | 207.8 | 133.4 | – | 182.5 | – | 3.88 |
|  | AA122 | 1/2 | 102 | 77.8 | – | 92.1 | – | 0.11 |
| | | 3/4 | 102 | 77.8 | – | 92.1 | – | 0.10 |
|  | AA124 | 1-1/4 | 238.8 | 135.7 | – | 203.7 | – | 2.19 |
| | | 1-1/2 | 238.8 | 135.7 | – | 203.7 | – | 2.18 |
| | | 2 | 304.8 | 188.9 | – | 254 | – | 6.10 |
| | | 2-1/2 | 304.8 | 188.9 | – | 254 | – | 5.81 |

Based on the largest/heaviest version of each type.



DIMENSIONS AND WEIGHTS

| Strainer | Accessory Type | Inlet Conn. (in.) | L (mm) | W (mm) | A (mm) | B (mm) | C (mm) | Net Weight (kg) |
|---|----------------|-------------------|--------|--------|--------|--------|--------|-----------------|
|  | AA124SC | 1-1/4 | 222.3 | 135.7 | – | 186.8 | – | 1.51 |
| | | 1-1/2 | 222.3 | 135.7 | – | 186.8 | – | 1.48 |
|  | AA124ML | 3/4 | 202 | 106.4 | 25.4 | 149.6 | 189.3 | 0.88 |
| | | 1 | 202 | 106.4 | 25.4 | 149.6 | 189.3 | 0.86 |
| | | 1-1/4 | 246.1 | 135.7 | 38.1 | 183.7 | 232.6 | 1.18 |
| | | 1-1/2 | 246.1 | 135.7 | 38.1 | 183.7 | 232.6 | 1.11 |
| | | 2 | 367.8 | 188.9 | 60.3 | 285.3 | 351.9 | 3.06 |
| | | 2-1/2 | 367.8 | 188.9 | 60.3 | 285.3 | 351.9 | 2.92 |
|  | AA124ASC | 3/4 | 211.5 | 106.4 | – | 182.1 | – | 1.49 |
| | | 1 | 211.5 | 106.4 | – | 182.1 | – | 1.43 |
|  | AA430ML | 3/4 | 224.9 | 114.6 | 40 | 202.1 | – | 0.43 |
| | | 1 | 224.9 | 114.6 | 40 | 202.1 | – | 0.40 |
| | | 1-1/4 | 299.5 | 142.2 | 39 | 267.6 | – | 0.92 |
| | | 1-1/2 | 299.5 | 142.2 | 39 | 267.6 | – | 0.94 |
|  | AA430MLSC | 3/4 | 221.9 | 114.6 | 40 | 199.1 | – | 0.62 |
| | | 1 | 221.9 | 114.6 | 40 | 199.1 | – | 0.60 |
| | | 1-1/4 | 300.1 | 142.2 | 39 | 268.2 | – | 0.88 |
| | | 1-1/2 | 300.1 | 142.2 | 39 | 268.2 | – | 0.90 |

Based on the largest/heaviest version of each type.



AIR LINE FILTERS

- Air line filters protect equipment from corrosion and excessive wear by removing liquid and contaminants from air lines
- Manual drain air line filter – simple petcock at the bottom of the bowl enables manual drainage; filter is easily accessible
- Automatic drain air line filter – for use in inaccessible locations; a float-operated mechanism automatically expels liquid when over a critical level
- 1/4", 3/8", 1/2", 3/4", 1" female conn.
- 50 micron filter element
- Max. pressure: 150 psi (10 bar)
- Max. temperature: 125°F (50°C)



11438 Air Line Filter

AIR LINE FILTER SELECTION GUIDE

| Air Line Filter No. | Air Line Filter Type | | Inlet Conn. (in.) | Approx. Flow at 7 bar* | |
|---------------------|----------------------|-----------|-------------------|------------------------|-------|
| | Manual | Automatic | | scfm | lpm |
| 11438-1 | • | | 1/4 | 50 | 1415 |
| 11438-2 | • | | 3/8 | 50 | 1415 |
| 11438-3 | • | | 1/2 | 150 | 4250 |
| 11438-4 | • | | 3/4 | 345 | 9770 |
| 11438-5 | • | | 1 | 445 | 12600 |
| 11438-16 | | • | 1/4 | 50 | 1415 |
| 11438-17 | | • | 1/2 | 150 | 4250 |
| 11438-19 | | • | 1 | 445 | 12600 |

*With 0.35 bar pressure drop through filter.

11438-1, -2, -3, -16 and -17 have screw-on transparent polycarbonate bowls with bowl guards to prevent breakage. Not suitable for use in systems with air compressors lubricated with fire-resistant synthetics.

PLACING YOUR ORDER

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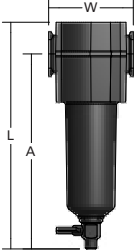
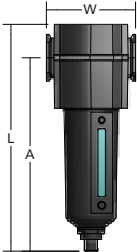
ORDERING INFORMATION

11438 AIR LINE FILTER

| | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">Air Line Filter No.</div> | <p>EXAMPLE</p> <div style="border: 1px dashed black; padding: 5px; display: inline-block; margin: 10px auto;">11438-1</div> |
|--|---|

BSPT connections require the addition of a "B" prior to the inlet connection.

DIMENSIONS AND WEIGHTS

| Air Line Filter | Accessory Type | Inlet Conn. (in.) | L (mm) | W (mm) | A (mm) | Net Weight (kg) |
|---|-----------------|-------------------|--------|--------|--------|-----------------|
|  | 11438-1 | 1/4 | 168.3 | 69.9 | 150.8 | 0.60 |
| | 11438-2 | 3/8 | 168.3 | 69.9 | 150.8 | 0.50 |
| | 11438-3 | 1/2 | 187.3 | 99.2 | 169.9 | 0.82 |
| | 11438-4 | 3/4 | 292.1 | 120.7 | 265.1 | 0.52 |
| | 11438-5 | 1 | 292.1 | 120.7 | 265.1 | 2.09 |
| | 11438-6 | 1-1/2 | 446.0 | 209.0 | 399.0 | 6.80 |
|  | 11438-16 | 1/4 | 177.8 | 92.1 | 160.3 | 0.60 |
| | 11438-17 | 1/2 | 177.8 | 87.7 | 160.3 | 0.83 |
| | 11438-19 | 1 | 282.6 | 120.7 | 255.6 | 2.08 |

Based on the largest/heaviest version of each type.

PLACING YOUR ORDER

Call 1.630.665.5000 for application assistance or to place an order.

LIQUID PRESSURE GAUGES

- Easy-to-read gauges with bottom inlet connection or center back connection
- Patented spring-suspended movement protected by a corrosion- and impact-resistant ABS housing with polycarbonate window
- Dual scales: psi and bar
- Grade B accuracy within $\pm 2\%$ in the middle 50% of the scale, with 3% accuracy in the high and low ends of the scale
- 0 psi to a maximum of 300 psi (0 bar to a maximum of 20 bar)
- Materials: All wetted parts are brass; combination brass/bronze connection and bourdon tube

GAUGE OPTIONS

26383

- 1/8", 1/4" center back male conn.
- 2" (51 mm) dia. housing



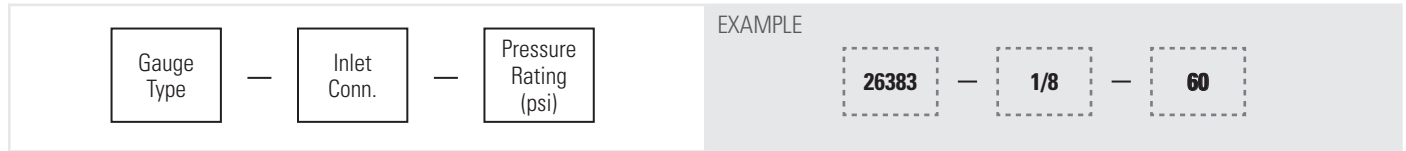
26385

- 1/4" bottom male conn.
- 2-1/2" (64 mm) dia. housing



ORDERING INFORMATION

PRESSURE GAUGE 26383

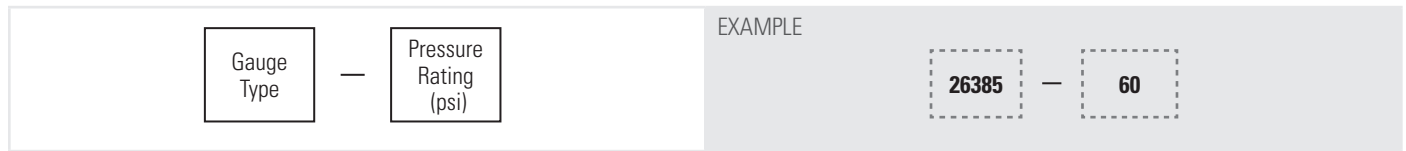


EXAMPLE



Pressure rating is ordered in psi.

PRESSURE GAUGE 26385



EXAMPLE



Pressure rating is ordered in psi.

SPECIFICATIONS

| Gauge Type | Inlet. Conn. (in.) (M) | Pressure Rating psi (bar) | Pressure Range psi (bar) |
|------------|------------------------|---------------------------|--------------------------|
| 26383 | 1/8, 1/4 | 60 (4) | 0 – 60 (0 – 4) |
| | 1/8, 1/4 | 100 (7) | 0 – 100 (0 – 7) |
| | 1/8, 1/4 | 160 (11) | 0 – 160 (0 – 11) |

| Gauge Type | Inlet. Conn. (in.) (M) | Pressure Rating psi (bar) | Pressure Range psi (bar) |
|------------|------------------------|---------------------------|--------------------------|
| 26385 | 1/4 | 60 (4) | 15 – 45 (1.0 – 3.1) |
| | 1/4 | 100 (7) | 25 – 75 (1.7 – 5.2) |
| | 1/4 | 160 (11) | 40 – 120 (2.8 – 8.3) |
| | 1/4 | 300 (21) | 75 – 225 (5.2 – 15.5) |



LIQUID AND AIR PRESSURE REGULATORS

- Diaphragm-type non-relieving liquid pressure regulators
 - Operating temperature range: 35° to 200°F (2° to 93°C)
 - Gauges supplied separately
- Diaphragm-type, relieving and non-relieving style air pressure regulators
 - Relieving style automatically relieves excessive air pressure in a regulated line; non-relieving types also available
 - Regulated line pressure can be reduced with adjusting knob even when line is dead ended
 - Operating temperature range: 0° to 175°F (-15° to +80°C) with dew point less than air temperatures below 35°F (2°C)
 - Gauges supplied separately

REGULATOR OPTIONS

11438 Air Pressure Regulator

- Diaphragm, relieving and non-relieving types
- Regulated pressures from 5 to 125 psi (0.3 to 8.5 bar) with supply line pressures up to 300 psi (20 bar)
- Materials: Die cast aluminum, stainless steel, zinc



11438 Liquid Pressure Regulator

- Non-relieving type
- Regulated pressures from 5 to 125 psi (0.3 to 8.5 bar) with primary supply line pressures
- Max. pressure: 400 psi (28 bar)
- Materials: Brass, brass-plated zinc or stainless steel



ORDERING INFORMATION

AIR PRESSURE REGULATOR

| | |
|---------------|-----------------|
| Regulator No. | EXAMPLE |
| | 11438-45 |

LIQUID PRESSURE REGULATOR

| | |
|---------------|------------------|
| Regulator No. | EXAMPLE |
| | 11438-250 |

PLACING YOUR ORDER

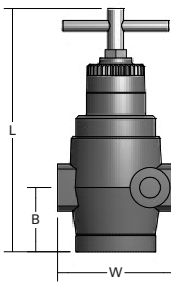
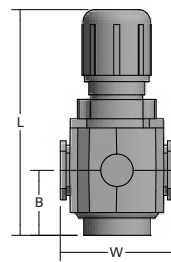
Call 1.630.665.5000 for application assistance or to place an order.

SPECIFICATIONS

| Regulator Type | Regulator Style | Regulator Number | Max. Pressure (bar) | Main Ports (in.) | Gauge Ports (in.) | Material |
|----------------|-----------------|------------------|---------------------|------------------|-------------------|---------------------|
| Air | Non-relieving | 11438-35 | 20 | 1/4 | 1/4 | Zinc |
| | | 11438-36 | 20 | 3/8 | 1/4 | Zinc |
| | | 11438-37 | 20 | 1/2 | 1/4 | Zinc |
| | | 11438-38 | 20 | 3/4 | 1/4 | Aluminum |
| | | 11438-39 | 20 | 1 | 1/4 | Aluminum |
| | Relieving | 11438-45 | 20 | 1/4 | 1/4 | Zinc |
| | | 11438-45S | 20 | 1/4 | 1/8 | 316 stainless steel |
| | | 11438-46 | 20 | 3/8 | 1/4 | Zinc |
| | | 11438-47 | 20 | 1/2 | 1/4 | Zinc |
| | | 11438-47S | 20 | 1/2 | 1/4 | 316 stainless steel |
| | | 11438-48 | 20 | 3/4 | 1/4 | Aluminum |
| | | 11438-49 | 20 | 1 | 1/4 | Aluminum |
| Liquid | Diaphragm | 11438-250 | 28 | 1/4 | 1/4 | Brass |
| | | 11438-251 | 28 | 3/8 | 1/4 | Brass |
| | | 11438-252 | 28 | 1/2 | 1/4 | Brass |
| | | 11438-253 | 28 | 3/4 | 1/8 | Brass |
| | | 11438-254 | 28 | 1 | 1/8 | Brass |

Stainless steel versions meet NACE standard MR-01-75 for corrosion resistance.

DIMENSIONS AND WEIGHTS

| Regulator | Accessory Type 11438- | B (mm) | L (mm) | W (mm) | Net Weight (kg) |
|---|-----------------------|--------|--------|--------|-----------------|
|  | 250, 251 | 38 | 146 | 70 | 1.21 |
| | 252 | 40 | 151 | 84 | 1.35 |
| | 253, 254 | 41 | 241 | 127 | 3.66 |
|  | 35, 36, 45, 46 | 37 | 130 | 70 | 0.61 |
| | 37, 47 | 38 | 149 | 89 | 0.87 |
| | 38, 39, 48, 49 | 60 | 174 | 108 | 1.54 |
| | 45S | 10 | 70 | 38 | 0.16 |
| | 47S | 41 | 198 | 89 | 0.20 |

Based on the largest/heaviest version of each type.

SOLENOID VALVES

- On/off flow control in automatically operated systems
- Dependable performance in air and liquid lines with temperatures from 40° to 165°F (5° to 75°C)
- Ten watt, class "F" coils are for continuous duty; UL and CSA approved; suitable for international use
- Encapsulated coil resists high humidity and fungus growth
- 360° rotation available with durable electrostatically powder-coated enclosure
- Stainless steel pilot orifice helps eliminate premature leaking and increases service life in high flow velocity situations
- Floating plungers automatically compensate for vibration, shock, wear and deformation while providing a bubble-tight seal
- Versatile mounting in any position; direct pipe mounting

VALVE OPTIONS

2-Way

- 1/4", 3/8", 1/2", 3/4", 1" conn.
- Direct-acting poppet or pilot-operated diaphragm valve action
- Materials: Brass, stainless steel



3-Way

- 1/4", 3/8", 1/2" conn.
- Poppet or diaphragm valve action
- Materials: Brass, stainless steel



ORDERING INFORMATION

COMPLETE SOLENOID VALVE*

Model No.

EXAMPLE

11438-20

BSPT connections require the addition of a "B" prior to the inlet connection

*110 or 120 V, 50/60 Hz coil is standard. If other coil assemblies are desired, add the appropriate letter code to the end of the part number. For example: 11438-20A.

A = 220 or 240 V, 50/60 Hz B = 24 V, 60 Hz C = 12 VDC D = 24 VDC

PLACING YOUR ORDER

Call 1.630.665.5000 for application assistance
or to place an order.



SPECIFICATIONS

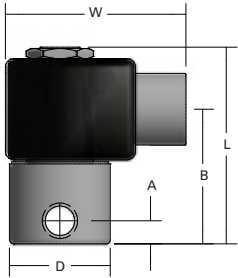
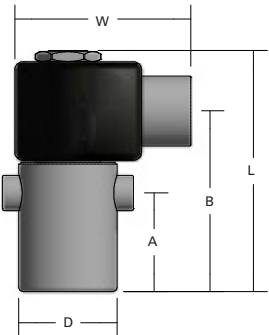
| Port Conn. (in.) | Valve Action | Valve Type | Model Number | Max. Pressure (bar) | Orifice Size (mm) | Cv Factor** | Body Material | Seal Material |
|------------------|-----------------------|------------|--------------|---------------------|-------------------|-------------|----------------------|---------------|
| 1/4 | Direct-Acting Poppet | 2-way | 11438-20 | 4* | 4.8 | .50 | Stainless steel | Viton® |
| 1/4 | Direct-Acting Poppet | 2-way | 11438-21 | 14* | 3.2 | .28 | Stainless steel | Kel-F® |
| 3/8 | Pilot-Operated Diaph. | 2-way | 11438-22 | 10* | 11 | 2.5 | Forged or cast brass | Buna-N |
| 1/2 | Pilot-Operated Diaph. | 2-way | 11438-23 | 10* | 16 | 4.0 | Forged or cast brass | Buna-N |
| 3/4 | Pilot-Operated Diaph. | 2-way | 11438-24 | 16 | 19 | 7.8 | Forged or cast brass | Buna-N |
| 1 | Pilot-Operated Diaph. | 2-way | 11438-25 | 16 | 25.4 | 13.0 | Forged or cast brass | Buna-N |
| 1/4 | Poppet | 3-way | 11438-30 | 7 | 2.4 | .25/38 | Forged or cast brass | Viton |
| 1/2 | Diaph. | 3-way | 11438-31 | 10 | 12.7 | 3.6 | Forged or cast brass | Buna-N |
| 3/8 | Diaph. | 3-way | 11438-32 | 10 | 11.1 | 1.6/2.5 | Aluminum | Buna-N |

*For maximum pressures of coils "C" and "D", request Data Sheet 11438 – Solenoid (1).

See Trademark Registration and Ownership, page i1.

**For use of Cv Factor, request Data Sheet 11438 – Solenoid (2).

DIMENSIONS AND WEIGHTS

| Solenoid Valve | Accessory Type | A (mm) | B (mm) | D (Dia.) (mm) | L (mm) | W (mm) | Net Weight (kg) |
|---|-----------------|--------|--------|---------------|--------|--------|-----------------|
|  | 11438-20 | 8.7 | 49.2 | 41.3 | 73.8 | 67.8 | 0.58 |
| | 11438-21 | 8.7 | 49.2 | 41.3 | 73.8 | 67.8 | 0.58 |
| | 11438-22 | 15.1 | 65.9 | 50 | 90.5 | 67.8 | 0.56 |
| | 11438-23 | 13.5 | 86.5 | 67.5 | 111.9 | 67.8 | 1.02 |
| | 11438-24 | 22.2 | 94.5 | 100 | 120.7 | 67.8 | 1.73 |
|  | 11438-25 | 22.2 | 94.5 | 100 | 120.7 | 67.8 | 0.98 |
| | 11438-30 | 28.6 | 69.9 | 39.7 | 95.3 | 67.8 | 0.60 |
| | 11438-31 | 27 | 80.2 | 78.6 | 142.9 | 67.8 | 0.72 |
| 11438-32 | 38.1 | 95.3 | 34.9 | 111.1 | 67.8 | 0.35 | |

Based on the largest/heaviest version of each type.

BALL VALVES

- 2-way versions provide on-off control with a simple quarter turn of the handle
- 3-way versions divert flow to either outlet; no shut-off
- Inlet connections range from 3/8" to 1-1/2" (NPT or BSPT)
- Maximum pressure up to 300 psi (20 bar)
- Constructed of nylon glass-reinforced polypropylene



**AA(B)344M-PP
Ball Valve**

SPECIFICATIONS

| Valve Number | Maximum Pressure (bar) | Number of Outlets | Connection Size (in.) | Materials of Wetted Parts |
|----------------------|------------------------|-------------------|-----------------------|--|
| AA(B)344M-2-3/4 | 20 | 1 | 3/4 | Nylon, PTFE, polypropylene and Viton® |
| AA(B)344M-2-1 | | | 1 | |
| AA(B)343M-2-3/8-PP | 10 | 1 | 3/8 | Glass-reinforced polypropylene, PTFE and Viton |
| AA(B)343M-2-1/2-PP | | | 1/2 | |
| AA(B)344M-2-3/4-PP | 9 | 1 | 3/4 | Glass-reinforced polypropylene, PTFE and Viton |
| AA(B)344M-2-1-PP | | | 1 | |
| AA(B)346M-2-1-1/4-PP | | | 1-1/4 | |
| AA(B)346M-2-1-1/2-PP | | | 1-1/2 | |
| AA(B)344M-3-3/4 | 20 | 1 | 3/4 | Nylon, PTFE, polypropylene and Viton |
| AA(B)344M-3-1 | | | 1 | |
| AA(B)343M-3-3/8-PP | 10 | 2 | 3/8 | Glass-reinforced polypropylene, PTFE and Viton |
| AA(B)343M-3-1/2-PP | | | 1/2 | |
| AA(B)344M-3-3/4-PP | 9 | 2 | 3/4 | Glass-reinforced polypropylene, PTFE and Viton |
| AA(B)344M-3-1-PP | | | 1 | |
| AA(B)346M-3-1-1/4-PP | | | 1-1/4 | |
| AA(B)346M-3-1-1/2-PP | | | 1-1/2 | |

ORDERING INFORMATION

| | |
|-----------|--------------------------------|
| Valve No. | EXAMPLE AA344M-2-3/4 |
|-----------|--------------------------------|

PLUG VALVES

- Easy in-line shut-off
- Manual operation
- Ball valve provides more robust operation than plug valves
- Max. pressure: 400 psi (27 bar)

VALVE OPTIONS

23220 Plug Valve, Female x Female

- Available in:
 - 1/8" female inlet and 1/8" female outlet conn.
 - 1/4" female inlet and 1/8" female outlet conn.
 - 1/4" female inlet and 1/4" female outlet conn.



- Materials: Brass body with Celcon® plug handle

23220 Plug Valve, Female x Male

- 1/4" female inlet and 1/4" male outlet conn.
- Materials: Brass body with Celcon plug handle



23220 Plug Valve, Male x Female

- 1/4" male inlet and 1/4" female outlet conn.
- Materials: Brass body with Celcon plug handle



ORDERING INFORMATION



EXAMPLE



BSPT connections require the addition of "B" prior to the inlet connection.

| Valve | Accessory Type | Inlet Conn. (in.) | Outlet Conn. (in.) | L (mm) | H (mm) | Net Weight (kg) |
|-------|----------------|-------------------|--------------------|--------|--------|-----------------|
| | 23220 | 1/4 (F) | 1/8 (F) | 44.5 | 29.4 | .059 |
| | | 1/4 (F) | 1/4 (F) | 44.5 | 29.4 | .059 |
| | | 1/8 (F) | 1/8 (F) | 44.5 | 29.4 | .069 |
| | 23220 | 1/4 (M) | 1/4 (F) | 44.5 | 29.4 | .059 |
| | 23220 | 1/4 (F) | 1/4 (M) | 44.5 | 29.4 | .056 |

Based on the largest/heaviest version of each type.



EXTENSIONS

Are available to help position the spray tip or set-up precisely where it needs to be.

EXTENSION OPTIONS

17180

- 3", 6", 9", 12" pipe sizes
- For use with 1/8JJ Series nozzles
- Materials: Brass or 303 stainless steel (SS)



18096

- 3", 6", 9", 12" pipe sizes
- For use with 1/4J Series nozzles
- Materials: Brass or 303 stainless steel (SS)



17185

- 3", 6", 9", 12" pipe sizes
- For use with 1/8JJAU Series automatic nozzles
- Materials: Brass or 303 stainless steel (SS)



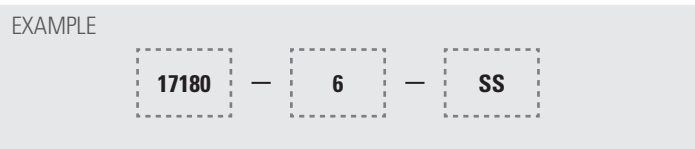
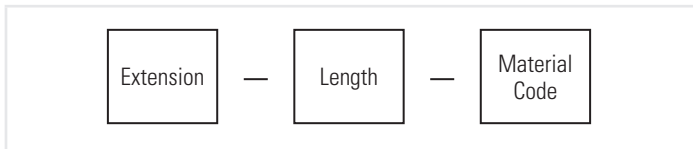
6123

- 3", 6", 9", 12" pipe sizes
- For use with 1/4JAU Series automatic nozzles
- Materials: Brass or 303 stainless steel (SS)



ORDERING INFORMATION

EXTENSIONS 17180, 18096, 17185



There is no material code for brass. Leave material code blank when ordering.

EXTENSION 6123

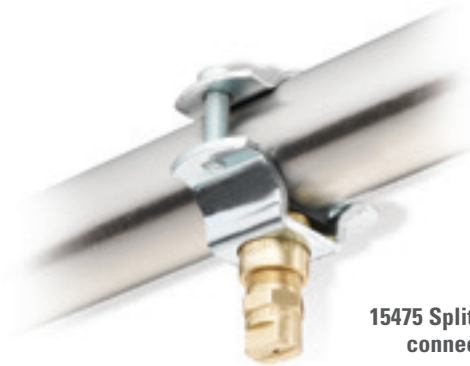


There is no material code for brass. Leave material code blank when ordering.

SPLIT-EYELET CONNECTORS

Split-eyelet connectors provide a quick and easy way to connect spray nozzles to piping systems

- Simply drill a hole in side of pipe
- Place inlet of split eyelet into the hole; seal eliminates leaking
- Assemble the clamp component to secure the assembly to the pipe



15475 Split-eyelet connector

CONNECTOR OPTIONS

8370

- 1-1/4", 1-1/2", 2" pipe size
- 1/8", 1/4", 3/8", 1/2" female outlet connection
- Materials: Zinc-plated steel clamps/bolts with brass body (A), all stainless steel (B) or zinc-plated steel clamps/bolts with stainless connector body (C)



15475

- 2-1/2", 3", 4" pipe size
- 1/4", 3/8", 1/2", 3/4", 1" female outlet connection
- Materials: Zinc-plated steel clamps/bolts with brass body (A), all stainless steel (B) or zinc-plated steel clamps/bolts with stainless connector body (C)



38180 Split Eyelet Swivel Union

- 1/2", 3/4", 1" pipe sizes
- 1/4" male outlet connection
- Swivel union allows easier product positioning
- Materials: Brass or 303 stainless steel (SS)



ORDERING INFORMATION

CONNECTORS 15475 AND 8370

| | | | | | |
|-----------------------------|---------------|---|-----------|---|--------------|
| Split-Eyelet Connector Type | Material Code | — | Pipe Size | × | Outlet Conn. |
|-----------------------------|---------------|---|-----------|---|--------------|

EXAMPLE

| | | | | | |
|------|---|---|-------|---|-----|
| 8370 | A | — | 1-1/4 | × | 1/4 |
|------|---|---|-------|---|-----|

SWIVEL CONNECTOR 38180

| | | | | |
|---------------------------|---|-----------|---|---------------|
| Split-Eyelet Swivel Union | — | Pipe Size | — | Material Code |
|---------------------------|---|-----------|---|---------------|

EXAMPLE

| | | | | |
|-------|---|-----|---|----|
| 38180 | — | 1/2 | — | SS |
|-------|---|-----|---|----|

*There is no material code for brass 38180 connectors. Leave material code blank when ordering.

SPECIFICATIONS

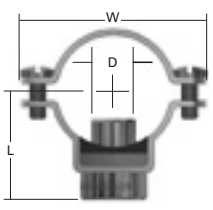
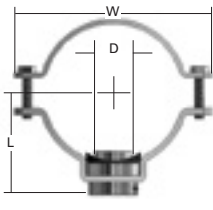
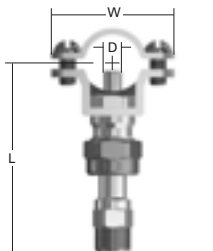
| Split-Eyelet | To Clamp On | | Outlet Conn. (F) (in.) | | | | | Maximum Pressure bar | Capacity at Maximum Pressure lpm | Material Code | |
|--------------|-----------------|--------------------------|------------------------|-----|-----|-----|-----|----------------------|----------------------------------|---------------|---------|
| | Pipe Size (in.) | Outside Dia. Tubing (mm) | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | | | | 1 |
| 8370 | 1-1/4 | 39-43 | • | • | • | • | | | 9 | 21-76* | A, B, C |
| | 1-1/2 | 44-51 | • | • | • | • | | | | | |
| | 2 | 54-60 | • | • | • | • | | | | | |
| 15475 | 2-1/2 | 63-73 | | • | • | • | • | • | 9 | 38-204* | A, B, C |
| | 3 | 76-89 | | • | • | • | • | • | | | |
| | 4 | 102-114 | | • | • | • | • | • | | | |

| Capacities of 8370 and 15475 Vary with Outlet Conn. | |
|---|--------------|
| Outlet Conn. (in.) | Capacity lpm |
| 1/8 | 21 |
| 1/4 | 38 |
| 3/8 | 57 |
| 1/2 | 76 |
| 3/4 | 125 |
| 1 | 204 |

*Capacities of 8370 and 15475 vary with outlet connection.

| Split-Eyelet | To Clamp On | | Maximum Pressure bar | Materials |
|--------------|-----------------|--------------------------|----------------------|--|
| | Pipe Size (in.) | Outside Dia. Tubing (mm) | | |
| 38180 | 1/2 | 20 - 22 mm | 17.3 | Nickel-plated brass with zinc-plated pipe clamps, 303 stainless steel (SS) |
| | 3/4 | 25 - 27 mm | | |
| | 1 | 32 - 35 mm | | |

DIMENSIONS AND WEIGHTS

| Split-Eyelet | Accessory Type | Pipe Size (in.) | W (mm) | D (Dia.) (mm) | L (mm) | Net Weight (kg) |
|---|----------------|-----------------|--------|---------------|--------|-----------------|
|  | 8370 | 1-1/4 | 44 | 17.5 | 40.9 | 0.18 |
| | | 1-1/2 | 81 | 17.5 | 44 | 0.20 |
| | | 2 | 88 | 17.5 | 50 | 0.21 |
|  | 15475 | 2-1/2 | 118.3 | 31.8 | 62.7 | 0.28 |
| | | 3 | 136.5 | 31.8 | 70.6 | 0.82 |
| | | 4 | 164 | 31.8 | 83.3 | 0.97 |
|  | 38180 | 1/2 | 47.6 | 7.1 | 89.1 | 0.1 |
| | | 3/4 | 54.0 | | | |
| | | 1 | 57.2 | | | |

Based on the largest/heaviest version of each type.



MOUNTING KITS

28945-001-316SS

- Clamp mounting kit.
- Mounting bolt has 3/8-24 UNF thread for VAA, VAU and VMAU nozzles



28945-002-SS

- Mounting kit for 1/2" rod
- Mounting bolt has 3/8-24 UNF thread for VAA, VAU and VMAU nozzles



28945-003-316SS

- Mounting kit for 1/2" rod
- Mounting bolt has 1/8" NPT thread for JAU nozzle series



ORDERING INFORMATION

Mounting Kit Number

EXAMPLE

28945-001-316SS

2335-SE SPRAY PIPE ASSEMBLY

- 1/4" globe valve
- 1/4" piping (1-1/2" and 8" lengths)
- 1/4" copper tubing
- Union nut and connectors (2)
- Materials of construction: galvanized iron, brass (material code - B)



2335-SE Spray Pipe Assembly

ORDERING INFORMATION

Spray Pipe Assembly

—

Material Code

EXAMPLE

2335-SE

—

B

There is no material code for galvanized iron. Leave material code blank when ordering.

2202 PIPE HANGER

- Used for proper spacing between air and liquid lines. Sizes fit 1/2" piping
- Hanger is held by threaded rod and nuts (not included) for vertical adjustment
- Made of cast aluminum. 4" (10 cm) spacing
- Use with 2335-SE spray pipe assembly



2202 Pipe Hanger

ORDERING INFORMATION

| | | |
|-------------|---------|---------|
| Pipe Hanger | EXAMPLE | 2202-AL |
|-------------|---------|---------|

WALL MOUNT ADAPTERS

1/8J and 1/4J Nozzles

- For thick walls adapter CP3376
- For thin walls adapter CP3376, gasket CP2804-3 and locknut CP6378
- Materials of construction:
 - Adapter and locknut, nickel-plated brass (NP), 303 stainless steel (SS) or 316 stainless steel (316SS)
 - Gasket, Buna-N (BU) or PTFE (TEF)

1/2J Nozzles

- For thick walls adapter CP4886

VAA, VAU, VMAU Nozzles

- Thick Wall Adapter - CP31158-003-SS
- Thin Wall Adapter - CP31158-002-SS



CP31158-003-SS



CP31158-002-SS

ORDERING INFORMATION

ADAPTER FOR 1/8J AND 1/4J NOZZLES

| | | | | | | |
|-----------------------------------|---|---------------|---------|--------|---|----|
| Adapter, Gasket or Locknut Number | — | Material Code | EXAMPLE | CP3376 | — | SS |
|-----------------------------------|---|---------------|---------|--------|---|----|

ADAPTER FOR VAA, VAU, VMAU NOZZLES

| | | |
|---------------------------|---------|----------------|
| Wall Mount Adapter Number | EXAMPLE | CP31158-003-SS |
|---------------------------|---------|----------------|



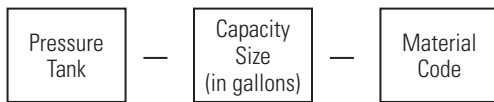
22140 PRESSURE TANK ASSEMBLY

- 22140 Pressure Tank Assembly
- Meets ASME® Boiler and Pressure Vessel Code requirements and OSHA safety regulations
- Constructed of 304 stainless steel (SS)
- Assembly includes a pressure regulator with gauge, ASME coded pressure relief valve, air bleed valve and plug valves for air inlet and liquid outlet
- Tanks are available in 1, 2, 5, 10 and 16 gallon (3.8, 7.6, 18.9, 38 and 61 liter) capacities
- The air inlet and liquid outlet have 1/4" NPT (F) connections
- The maximum working pressure is 140 psi at 100°F (9.5 bar at 38°C)
- The 22140 features brass fittings and an EPR lid seal



22140 Pressure Tank Assembly

ORDERING INFORMATION



EXAMPLE



39273 AND 39275 LEVEL SWITCHES

- Indicates a low liquid level condition inside the pressure tank
- Use with pressure tank assemblies with external 1/4" NPT (F) threads
- Features a U.L. listed float switch, quick disconnect and 12' (3.6 m) PVC jacketed cable
- Available in brass with Buna-N float or all stainless steel

**39275 Level Switch****SPECIFICATIONS**

| Level Switch Part Number | Matching Tank Size | Minimum Specific Gravity | Materials | |
|--------------------------|----------------------------------|--------------------------|-----------------|---------------------|
| | | | Tube & Fittings | Float |
| 39275-1 | 1 gal (3.8 liter) | 0.65 | Brass | Buna-N |
| 39275-1-SS | | 0.7 | Stainless Steel | 316 stainless steel |
| 39275-2 | 2 gallon (7.6 liter) | 0.65 | Brass | Buna-N |
| 39275-2-SS | | 0.7 | Stainless Steel | 316 stainless steel |
| 39273 | 5, 10 gallon (18.9, 38 liter) | 0.65 | Brass | Buna-N |
| 39273-SS | | 0.7 | Stainless Steel | 316 stainless steel |
| 39273-1 | 16 gallon (61 liter) | 0.65 | Brass | Buna-N |
| 39273-1-SS | | 0.7 | Stainless Steel | 316 stainless steel |

ORDERING INFORMATION

| | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Level Switch Part Number </div> | EXAMPLE <div style="border: 1px dashed black; padding: 5px; width: fit-content; margin: 0 auto;"> 39275-1-SS </div> |
|--|---|

50580 ADJUSTABLE SIPHON INJECTORS

- Provide a convenient method for adding chemicals to liquid flow before spraying
- Siphon rate is controlled with a metering screw
- Max pressure – 3000 psi (207 bar)
- Capacity sizes available up to 6.0 gpm (22.7 lpm)
- Liquid inlet and outlet connections 3/8" or 1/2" NPT or BSPT
- Standard hose barb connection injection inlet; optional 1/4" NPT or BSPT
- Materials: Brass or 303 stainless steel (SS)



50580 Adjustable Siphon Injector

SPECIFICATIONS

| Model Number | Inlet & Outlet Thread Connection Size | Matching Capacity | Siphon Thread Connection Size |
|--------------|---------------------------------------|---------------------------|-------------------------------|
| 50580 | 3/8 or 1/2 | 05 (0.5 gpm ; 1.9 lpm) | 1/4 |
| | | 10 (1.0 gpm; 3.8 lpm) | |
| | | 15 (1.5 gpm; 5.7 lpm) | |
| | | 20 (2.0 gpm; 7.6 lpm) | |
| | | 30 (3.0 gpm; 11.4 lpm) | |
| | | 40 (4.0 gpm; 15.1 lpm) | |
| | | 50 (5.0 gpm; 18.9 lpm) | |
| | | 60 (6.0 gpm; 22.7 lpm) | |

ORDERING INFORMATION

| | | | | | | | | |
|---------------------|---|------------------------------|---|---------------|---|---------------------------------|---|---------------|
| Siphon Injector No. | - | Inlet/Outlet Connection Size | - | Capacity Size | - | Threaded Siphon Connection Size | - | Material Code |
| EXAMPLE | | | | | | | | |
| 50580 | - | 1/2 | - | 10 | - | 1/4 | - | SS |

There is no material code for brass. Leave material code blank when ordering. Leave threaded siphon connection size blank for hose barb connection siphon inlet.

BSPT connections require the addition of a "B" prior to the model number.

PLACING YOUR ORDER

Call 1.630.665.5000 for application assistance or to place an order.