



# ACCESSORIES



# ACCESSORIES INTRODUCTION



## OPTIMIZE PERFORMANCE AND SIMPLIFY INSTALLATION

### Simplify Nozzle Mounting and Positioning

- Split-eyelet connectors
- Adjustable ball fittings
- Adjustable hoses and mounting bases

### Options for Quick-Connect Nozzle Systems

- Strainers
- Flow stabilizers
- Metering plates
- Color-coded caps

### Ensure Proper Flow Control and Regulation

- Check valves, throttling valves, pressure relief valves and more
- Air pressure regulators
- Liquid pressure regulators

### Clog Prevention

- Liquid strainers
- Filtration assemblies
- Air line filters

### 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 pages F4 and F16**



Connect nozzles to pipes in minutes with leak-proof **split-eyelet connectors**.

Connectors clamp on 1/2" to 2" pipes.

**See page F23**



Easily control line pressure and minimize waste with **adjustable relief valves**. Excess liquid is returned back to the liquid source or pump inlet.

**See page F31**



# ACCESSORIES

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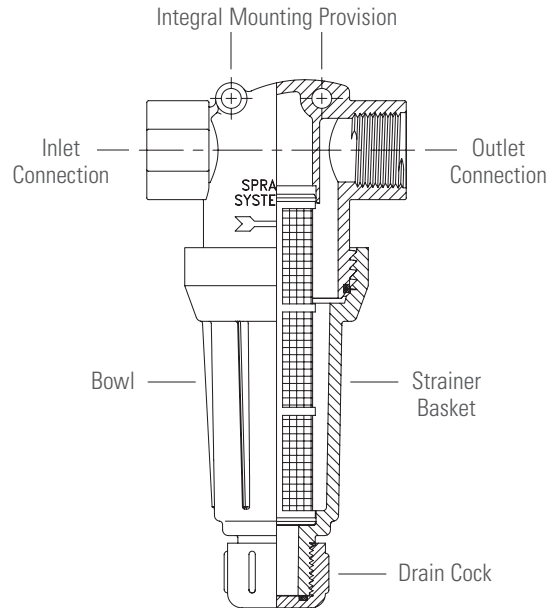


**OVERVIEW: LIQUID STRAINERS**

- 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: Aluminum, 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.\*

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****

\*Inlet connections vary. See pages F8 and F9.

\*\*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.

**15925**

3/4", 1" female conn.

Removable bottom plug for easy flush cleaning of screen

Max. pressure: 2000 psi at 150°F (138 bar at 66°C)

Material: Black oxide-coated mild steel body

Mesh: 50



**8310A**

1/4", 3/8", 1/2" female conn.

Removable bottom plug for easy flush cleaning of screen

Max. pressure: 5000 psi at 150°F (345 bar at 66°C)

Material: Stainless steel

Mesh: 16, 30, 50, 100



**2820**

1/4", 3/8", 1/2" female inlet conn.  
1/4" female outlet conn.

Max. pressure: 5000 psi at 150°F (345 bar at 66°C)

Material: Stainless steel

Mesh: 16, 30, 50, 100



**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

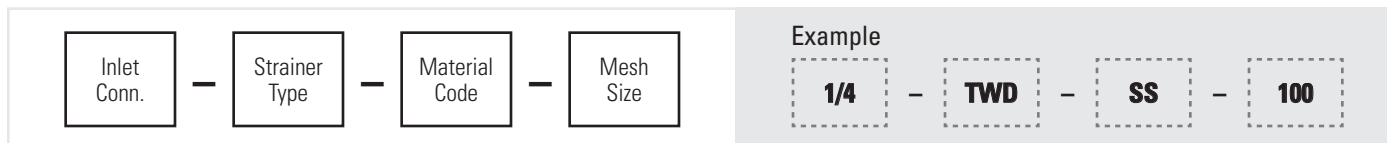


## MESH SELECTION GUIDE

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

## ORDERING INFORMATION

## TWD STRAINER



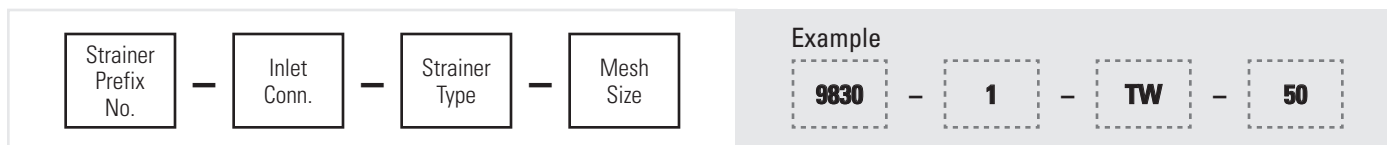
BSPT connections require the addition of a "B" prior to the inlet connection.

## 16106 STRAINER



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

## 9830 STRAINER



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

## AA124 SELF-CLEANING STRAINER



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



ORDERING INFORMATION

15925 STRAINER

<div style="border: 1px solid black; padding: 5px; display: inline-block;">Strainer Type</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Inlet Conn.</div>	<p>Example</p> <div style="border: 1px dashed gray; padding: 5px; display: inline-block; margin-right: 10px;">15925</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">3/4</div>
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BSPT connections require the addition of a "B" prior to the inlet connection.

8310A STRAINER

<div style="border: 1px solid black; padding: 5px; display: inline-block;">Strainer Type</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Inlet Conn.</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Mesh Size</div>	<p>Example</p> <div style="border: 1px dashed gray; padding: 5px; display: inline-block; margin-right: 10px;">8310A</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px dashed gray; padding: 5px; display: inline-block; margin-right: 10px;">3/8</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">100</div>
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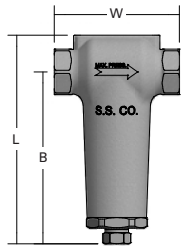
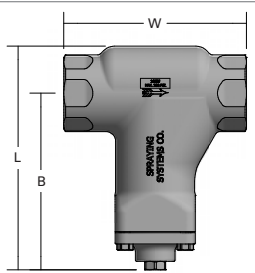
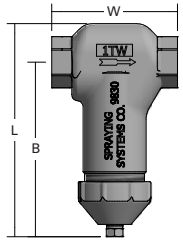
BSPT connections require the addition of a "B" prior to the inlet connection.

2820 STRAINER

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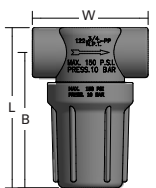
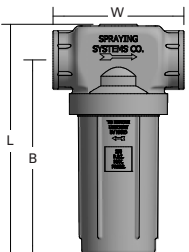
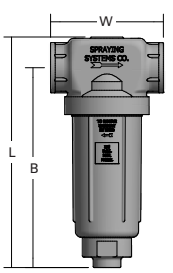
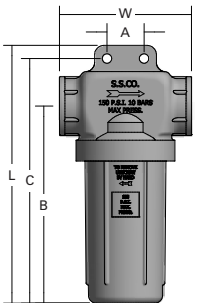
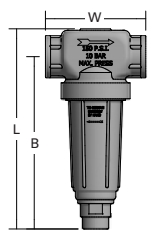
BSPT connections require the addition of a "B" prior to the inlet connection.

DIMENSIONS AND WEIGHTS

Strainer	Accessory Type	Inlet Conn. (in.)	L (mm)	W (mm)	B (mm)	Net Weight (kg)
	<b>TWD</b>	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
	<b>16106</b>	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
	<b>9830</b>	3/4	207.8	133.4	182.5	3.99
		1	207.8	133.4	182.5	3.88

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)
	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
	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	135.7	25.4	149.6	189.3	0.88
		1	202	135.7	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	135.7	60.3	285.3	351.9	3.06
		2-1/2	367.8	135.7	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

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)	D (Dia.) (mm)	Net Weight (kg)
	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
	15925	3/4	296.2	95.3	–	270.5	–	6.02
		1	296.2	95.3	–	270.5	–	5.92
	8310A	1/4	154.7	69.9	–	135.6	–	2.18
		3/8	154.7	69.9	–	135.6	–	2.15
		1/2	154.7	69.9	–	135.6	–	2.12
	2820	1/4	138.1	–	–	–	47.6	1.45
		3/8	138.1	–	–	–	47.6	1.45
		1/2	138.1	–	–	–	47.6	1.42

Based on the largest/heaviest version of each type.

**FILTRATION ASSEMBLY**

- Filtration assemblies remove grit, scale and organic solids to help ensure nozzle performance and extend wear life – ideal for industrial and potable water
  - Removes slimy solids and algae from process water without premature loading
  - Extra solids holding capacity provides long service life and reduced maintenance
  - Low pressure drop and exceptional flow capacity
  - No tools required for disassembly or cleaning

**39185 Filtration Assembly**

3/4" female conn.  
 Max. pressure: 125 psi (8.4 bar)  
 Max. temperature of element: 190°F (88°C)  
 Max. temperature of housing: 120°F (50°C)  
 Materials: Clear styrene, acrylonitrile and polypropylene  
 Filter sizes: 80, 130 and 300



Filter openings: .007" (18 mm) for 80; .005" (.13 mm) for 130; .002" (.05 mm) for 300.

**MATERIAL**

**CODE**

Polypropylene	PP
Polypropylene head/clear nylon bowl	NYC
Clear Styrene Acrylonitrile	SAN

**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

**11438 Air Line Filter**

1/4", 3/8", 1/2", 3/4", 1" female conn.  
 Manual or automatic drain  
 50 micron filter element  
 Max. pressure: 150 psi (10 bar)  
 Max. temperature: 125°F (50°C)



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.



**ORDERING INFORMATION**

**39185 FILTRATION ASSEMBLY**

Filter Type	—	Inlet Conn.	—	Material Code	—	Filter Size
<p>Example</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px dashed gray; padding: 5px;"><b>39185</b></div> <div>—</div> <div style="border: 1px dashed gray; padding: 5px;"><b>3/4</b></div> <div>—</div> <div style="border: 1px dashed gray; padding: 5px;"><b>SAN</b></div> <div>—</div> <div style="border: 1px dashed gray; padding: 5px;"><b>130</b></div> </div>						

**11438 AIR LINE FILTER**

Air Line Filter No.	<p>Example</p> <div style="border: 1px dashed gray; padding: 10px; text-align: center; width: 100px; margin: 0 auto;"><b>11438-1</b></div>
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**DIMENSIONS AND WEIGHTS**

Filtration Assembly/Air Line Filter	Accessory Type	Inlet Conn. (in.)	L (mm)	W (mm)	A (mm)	B (mm)	Net Weight (kg)
	<b>39185</b>	3/4	315.7	130.3	57.1	273.1	1.87
	<b>11438-1</b>	1/4	168.3	69.9	—	150.8	0.60
	<b>11438-2</b>	3/8	168.3	69.9	—	150.8	0.50
	<b>11438-3</b>	1/2	187.3	99.2	—	169.9	0.82
	<b>11438-4</b>	3/4	292.1	120.7	—	265.1	0.52
	<b>11438-5</b>	1	292.1	120.7	—	265.1	2.09
	<b>11438-6</b>	1-1/2	446.0	209.0	—	399.0	6.80
	<b>11438-16</b>	1/4	177.8	92.1	—	160.3	0.60
	<b>11438-17</b>	1/2	177.8	87.7	—	160.3	0.83
	<b>11438-19</b>	1	282.6	120.7	—	255.6	2.08

Based on the largest/heaviest version of each type.

**OVERVIEW: QUICK-CONNECT NOZZLE SYSTEMS**

- Save time cleaning and replacing spray nozzles with quick-connect nozzles. Nozzle bodies stay on header; spray tips are easily removed for cleaning and replacement
  - QuickJet® Nozzle System
    - Install and replace spray tips in seconds – quick-quarter turn is all that is needed
    - Automatic spray tip alignment
    - Integral seals eliminate leaks and stay in place during tip installation and removal
    - Choice of metal or chemically-resistant ProMax® material for use up to 150 psi (10 bar)
  - UniJet® Nozzle System
    - Fast spray tip removal and installation using wrench
    - Metal materials



QuickJet and UniJet nozzles are available in full cone, flat spray and hollow cone spray patterns. See those catalog sections for complete details.

**QUICKJET ADAPTERS FOR UNIJET SPRAY TIPS**

- QuickJet retaining caps allow easy use of UniJet nozzles
- Split-eyelet versions make connecting spray nozzles to piping systems quick and easy
  - Simply drill a hole in side of pipe
  - Place inlet of split eyelet into the hole; integral seal eliminates leaking
  - Assemble the clamp component to secure the assembly to the pipe
- Compatible with all UniJet spray tips



**QUICK-CONNECT ADAPTER OPTIONS**

**QJ17560A-NYB**

1/2", 3/4", 1", 20 mm,  
25 mm pipe

Positive shut-off with  
ChemSaver® check valve

Max. pressure: 300 psi  
(20 bar)



**QJ7421-NYB**

1/2", 3/4", 1" pipe

Max. pressure: 300 psi  
(20 bar)



**QJ1/4TT-NYB**

1/4" male conn.

Max. pressure: up to 300 psi  
(20 bar)



**QJ1/4T-NYB**

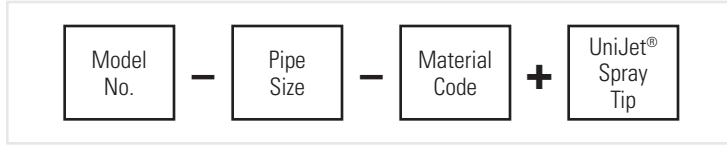
1/4" female conn.

Max. pressure: up to 300 psi  
(20 bar)



ORDERING INFORMATION

QUICKJET® ADAPTERS QJ17560 AND QJ7421

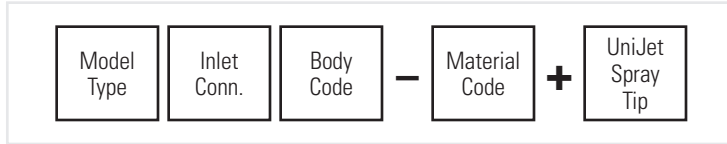


Example



EPDM rubber diaphragm seal standard on QJ17560 and QJ7421. For Viton®, add VI after material code. Example: NYB-VI

QUICKJET ADAPTERS QJ1/4TT AND QJ1/4T



Example



\*Additional cap required. See your sales engineer for alternative caps available. BSPT connections require the addition of a "B" prior to the inlet connection.

DIMENSIONS AND WEIGHTS

Adapter	Accessory Type	Inlet Conn. (in.)	Pipe Size (in.)	L (mm)	B (mm)	C (mm)	D (Dia.) (mm)	W (mm)	Hex. (in.)	Net Weight (kg)
	QJ17560A-NYB	-	1/2	91.9	67.8	31.2	21.3	51	-	0.05
		-	3/4	92.4	74.4	31.2	26.7	51	-	0.05
		-	1	94.9	67.8	31.2	33.4	58.6	-	0.06
		-	20 mm	88.6	67.6	31.2	20	48	-	0.05
		-	25 mm	95	67.8	31.2	25	51	-	0.05
	QJ7421-1-NYB	-	1/2	61.2	40.8	-	21.3	42.4	-	0.03
		-	3/4	64.5	41.7	-	26.7	42.4	-	0.02
		-	1	69.9	45	-	25	50.8	-	0.01
	QJ1/4TT-NYB	1/4	-	40.5	-	-	24.1	-	3/4	0.01
	QJ1/4T-NYB	1/4	-	34.1	-	-	23.9	-	7/8	0.01

Based on the largest/heaviest version of each type.



**UNIJET DIAPHRAGM CHECK VALVE NOZZLE BODIES**

- Diaphragm design minimizes pressure loss through check valve
- Max. pressure: 300 psi (20 bar)
- Stainless steel valve seat

**MATERIAL**

**CODE**

Aluminum	AL
Brass	No code
Nylon	NYB

**UNIJET SPLIT-EYELET BODIES**

- Quick and easy way to mount UniJet spray nozzles on piping systems
  - Simply drill a hole in side of pipe
  - Place inlet of split eyelet into the hole; integral seal eliminates leaking
  - Assemble the clamp component to secure the assembly to the pipe
- Max. pressure: up to 250 psi (17 bar)
- Max. flow rate: 3 gpm (11.4 lpm)
- Body and clamp materials: Brass, stainless steel

**MATERIAL**

**CODE**

Brass	No code
303 stainless steel	SS

**UNIJET DIAPHRAGM CHECK VALVE BODY OPTIONS**

**4664B**

1/8" male conn.  
Max. flow rate: 1.5 gpm (5.7 lpm)  
Materials: Aluminum, brass



**8360**

1/4" male conn.  
Max. flow: 2 gpm (7.6 lpm)  
Stainless steel springs:  
opening pressures of 2, 5, 8,  
15, 20 or 30 psi (0.14, 0.35,  
0.55, 1.03, 1.4 or 2.07 bar)  
Material: Nylon



**7421**

1/2", 3/4", 1" pipe size  
13/16" to 7/8" (20 to 22 mm),  
1 to 1-11/16" (25 to 27 mm) or  
1-1/4" to 1-3/8" (32 to 35 mm)  
tubing O.D.



**ORDERING INFORMATION**

**8360 UNIJET DIAPHRAGM CHECK VALVE NOZZLE BODY**

Model No.	Inlet Conn.	Body Material Code	Diaphragm Material Code	Spring Opening Press. (psi)	Example
					8360 - 1/4 - NYB - VI - 20

Spring opening pressure is ordered in psi.

**4664B UNIJET DIAPHRAGM CHECK VALVE NOZZLE BODY**

Model No.	Material Code	Example
		4664B - AL

**7421 UNIJET SPLIT-EYELET NOZZLE BODY**

NOZZLE BODY				SPRAY TIP		Example
Model No.	Pipe Size	Body Type	Material Code	+	UniJet Spray Tip	
						7421 - 1/2 T - SS + UNIJET SPRAY TIP

**DIMENSIONS AND WEIGHTS**

Body	Accessory Type	Inlet Conn. (in.)	Pipe Size (in.)	A (mm)	B (mm)	D (Dia.) (mm)	L (mm)	W (mm)	Net Weight (kg)
	8360	1/4	-	36.1	25.9	-	52.1	44.7	0.02
	4664B	1/8	-	-	27.9	23.8	59.9	-	0.09
	7421	-	1/2	-	-	7.5	35	48	0.09
		-	3/4	-	-	7.5	41.3	54	0.06
		-	1	-	-	7.5	44	57.2	0.07

Based on the largest/heaviest version of each type.

**UNIJET STRAINERS AND FILTER**

- Use with most standard UniJet and Quick UniJet body assemblies
- In-line design for use at tip
- Low pressure loss
- Easy installation and removal
- Corrosion resistant versions
- Stainless steel mesh; other materials available upon request
- Pair most styles with CP4743 nylon gasket to prevent leaks

Note: Standard UniJet and Quick UniJet nozzles include a strainer. Mesh size is based on orifice diameter. Order strainers separately only if ordering replacement spray tip or if a special version is needed.

**FILTER OPTION**

**9106 Filter**

Effective filtration  
Higher filtration than other strainers;  
300 mesh equivalent  
Material: Fused bronze – durable  
and corrosion resistant



**STRAINER OPTIONS**

- 6051** 303 stainless steel
- 5053** brass
- 8079** polypropylene
- Mesh: 24, 50, 100 and 200



**4193A**

Built-in check valve  
Stainless steel springs: opening pressures of  
5, 10, 20 or 40 psi (0.35, 0.7, 1.5 or 2.8 bar)  
Materials: Aluminum, brass, polypropylene,  
303 stainless steel  
Mesh: 24, 50, 100, and 200



**4514**

One-piece design  
Slotted design accommodates larger  
particulates  
Materials: Brass or nylon with 16, 25  
or 50 mesh equivalents; aluminum with  
16 or 25 mesh equivalents



**4067**

Cup design for use when space is limited  
Material: 303 stainless steel  
Mesh: 30, 50, 100 and 200



**7630**

Disc design for use when space  
is extremely limited  
Material: 303 stainless steel  
Mesh: 30, 50, 100 and 200



**MATERIAL**

**CODE**

Aluminum	AL
Brass	No code
Nylon	NY
Polypropylene	PP
303 stainless steel	SS





**ORDERING INFORMATION**

**UNIJET STRAINERS 5053, 6051 AND 8079**

Strainer Type	—	Material Code	—	Mesh Size	Example
					<b>6051</b> — <b>SS</b> — <b>50</b>

**UNIJET STRAINER 4193A**

Strainer Type	—	Material Code	—	Spring Opening Pressure (psi)	—	Mesh Size	Example
							<b>4193A</b> — <b>SS</b> — <b>5</b> — <b>50SS</b>

Spring opening pressure is ordered in psi.

**UNIJET STRAINER 4514**

Strainer Type	—	Material Code	—	Slot Width	Example
					<b>4514</b> — <b>NY</b> — <b>10</b>

Use slot width 10 for 50 mesh equivalent; slot width 20 for 25 mesh equivalent and slot width 32 for 16 mesh equivalent.

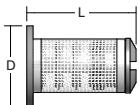
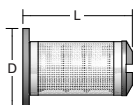
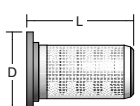
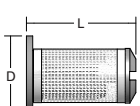
**UNIJET STRAINERS 4067 AND 7630**

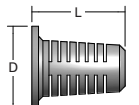
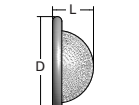
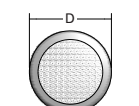
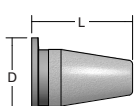
Strainer Type	—	Mesh Size	Example
			<b>4067</b> — <b>200</b>

**9106 FILTER**

Filter Type	Example
	<b>9106</b>

**DIMENSIONS AND WEIGHTS**

Strainer	Accessory Type	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>5053</b>	20.7	15.1	0.050
	<b>6051</b>	20.7	15.1	0.001
	<b>8079</b>	20.2	15.1	0.001
	<b>4193A</b>	20.7	15.1	0.010

Strainer	Accessory Type	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>4514</b>	16.7	15.1	0.005
	<b>4067</b>	6.2	15.1	0.005
	<b>7630</b>	1.4	15.1	0.001
	<b>9106</b>	19.1	15.1	0.006

### 11370 JET STABILIZER

- Install just before the spray nozzle to reduce fluid turbulence
- Helps reduce spray pattern flutter, increase fluid throw distance and increase impact force
- Ideal when nozzles are installed in 90° elbow forcing fluid to change direction
- For use with UniJet flat spray and hollow cone nozzles

#### 11370 Jet Stabilizer

1/8" x 1/8", 1/4" x 1/4", 3/8" x 3/8", 1/2" x 1/2",  
 3/4" x 3/4", 1" x 1", 1-1/4" x 1-1/4"  
 male inlet conn./female outlet conn.

Materials: Brass, stainless steel



### 11750 LARGE CAPACITY CHECK VALVE

- Use instead of 4193A for higher flow rates – up to 1.5 gpm (5.7 lpm)
- Prevents dripping from nozzles after line pressure is shut-off
- Compatible with all UniJet spray tips with capacities from 0.4 to 1.5 gpm (1.5 to 5.7 lpm)

#### 11750 Large Capacity Check Valve

Opening pressure: 5 psi (.35 bar)\*

Materials: Stainless steel ball and spring; aluminum, brass, polypropylene, stainless steel bodies



\*Opening pressure: 10 and 20 psi (0.7 and 1.5 bar) available upon request

### CP1325 TIP RETAINER

- Standard nozzle retaining cap for all UniJet style assemblies
- Standard UniJet nozzle and Quick UniJet nozzles include a tip retainer. Order CP1325 when replacement is needed

#### CP1325 Tip Retainer

Materials: Brass, stainless steel

For high pressure applications, use 7890 tip retainer



### 4916 METERING PLATE

- Fine-tune flow rate between available nozzle sizes
- Orifice slows fluid; conserves water and may extend wear life

#### 4916 Metering Plate

82 orifice diameters from .008 to .25" (0.2 to 6.35 mm)\*

Max. flow rate: 6.9 gpm (26 lpm)

Material: Stainless steel



\*Request data sheets 11739, 12417 and 23471-2 for complete information.

**UNIJET ADAPTERS**

- 4676 Adapter – Use to go from a standard UniJet body to a 1/8", 1/4", 3/8" or 3/4" female outlet
- 6406 Adapter – Use to go from UniJet thread to 1/8" male inlet conn.

**ADAPTER OPTIONS**

**4676 Adapter**

11/16"-16 female inlet conn.  
Materials: Brass, stainless steel



**6406 Adapter**

1/8" male outlet conn.  
Materials: Aluminum, brass, stainless steel



**MATERIAL**

**CODE**

Aluminum	AL
Brass	No code
Nylon	NY
Polypropylene	PP
303 stainless steel	SS

**ORDERING INFORMATION**

**11370 JET STABILIZER**



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

**11750 LARGE CAPACITY UNIJET CHECK VALVE**

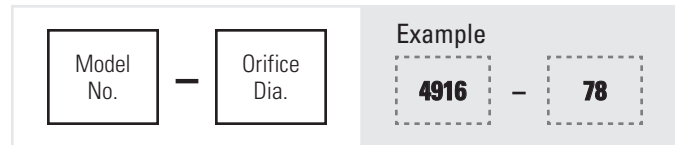


Opening pressure is ordered in psi.

**CP1325 UNIJET TIP RETAINER**



**4916 METERING PLATE**

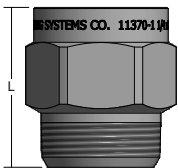
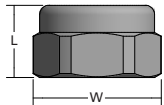
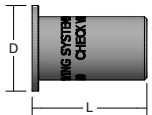
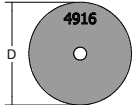
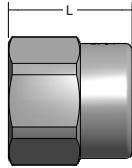
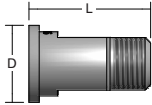


**4676 AND 6406 UNIJET ADAPTERS**



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

## DIMENSIONS AND WEIGHTS

	Accessory Type	Inlet Conn. (in.)	Outlet Thread (in.)	L (mm)	W (mm)	Hex. (in.)	D (Dia.) (mm)	Net Weight (kg)
	<b>11370 jet stabilizer</b>	–	–	56.4	–	1-7/8	–	1.021
	<b>1325 UniJet tip retainer</b>	–	–	12.7	22.6	13/16	–	0.019
	<b>11750 check valve</b>	–	–	20.2	–	–	15.1	0.010
	<b>4916 metering plate</b>	–	–	–	–	–	15.1	0.001
	<b>4676 adapter</b>	11/16–16	1/8	20.2	–	13/16	–	0.07
		11/16–16	1/4	21.8	–	13/16	–	0.08
		11/16–16	3/8	26.2	–	13/16	–	0.09
		11/16–16	1/2	28.2	–	1	–	0.15
		11/16–16	3/4	30.2	–	1-3/16	–	0.23
	<b>6406 adapter</b>	–	1/8	23.8	–	13/32 flats	15	0.02

### QUICK UNIJET ADAPTER AND CAPS

- Easily retrofit standard UniJet bodies and GunJet® spray guns to Quick UniJet styles
- Color-coded Quick UniJet caps allows quick identification of nozzles by type or flow rate in same production line
- EPDM gaskets to ensure proper sealing with spray tip. Viton® also available
- Material: Celcon or nylon
- Max pressure: 300 psi (20 bar)

### ADAPTER OPTION

#### QJT-NYB Adapter

Fits 11/16"-16 UniJet thread



### COLOR-CODED CAP OPTIONS



All caps are available in all colors. Be sure to specify color code when ordering. Different tip types fit in different caps. See below.

### CAP AND TIP COMPATIBILITY

Use with:

- UniJet small capacity flat spray tips, standard sizes through TPU\_08
  - Celcon cap only: CP114440A
  - Celcon cap and seat gasket: 114441A
- UniJet large capacity flat spray tips, standard sizes TPU\_10 through TPU\_20
  - Nylon cap only: CP25609
  - Nylon cap and seat gasket: 25610
- UniJet flat spray tips, sizes through TPU\_08. All tips to be positioned parallel or perpendicular to wings of Quick UniJet cap
  - Nylon cap only: CP25595
  - Nylon cap and seat gasket: 25596
- UniJet tips: TC, TG, TK, TN, TPU, T-W and TX
  - Celcon cap only: CP114444A
  - Celcon cap and seat gasket: 114445A
- UniJet tips: Disk and core
  - Celcon cap only: 114444A

ORDERING INFORMATION

QUICK UNIJET CAP AND SEAT GASKET SET

UniJet Cap and Seat Gasket Set	—	Color Code	—	Material Code	Example	114441A	—	3	—	CELR
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Contact your sales engineer for dimensions and weights.

UniJet Cap and Seat Gasket Set	—	Color Code	—	Material Code	Example	25610	—	3	—	NYR
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Contact your sales engineer for dimensions and weights.

QJ46761 cap and seat enables use of standard 1/8" and 1/4" nozzles. Request data sheet 20055 for complete information.

19843-NYR cap and seat provides shut-off at nozzle for quick spacing changes. For use with disc and core type tips. Black only.

QUICK UNIJET CAP ONLY

UniJet Cap	—	Color Code	—	Material Code	Example	CP114440A	—	3	—	CELR
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UniJet Cap	—	Color Code	—	Material Code	Example	CP25609	—	3	—	NY
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Contact your sales engineer for dimensions and weights.

QUICK UNIJET SEAT GASKET ONLY

Seat Gasket	—	Material Code	Example	CP19438	—	EPR
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Contact your sales engineer for dimensions and weights.

Seat Gasket	—	Material Code	Example	CP19438	—	VI
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For Viton® seal, use VI for material code.

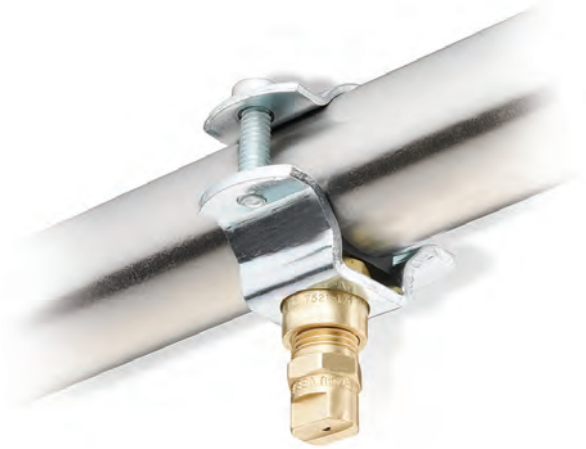
Contact your sales engineer for dimensions and weights.

See Trademark Registration and Ownership, page i-1.



**OVERVIEW: SPLIT-EYELET CONNECTORS AND ADJUSTABLE BALL FITTINGS**

- Use split-eyelet connectors to 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
- Adjustable ball fitting enables precise control of spray direction. Assemble nozzle into the ball and adjust the orientation of the nozzle. Large internal passages minimize clogging



**OPTIONS**

**7521**

1/2", 3/4", 1" pipe size  
1/8", 1/4" female outlet conn.



**8370**

1-1/4", 1-1/2", 2" pipe size  
1/8", 1/4", 3/8", 1/2" female outlet conn.



**15475**

2-1/2", 3", 4" pipe size  
1/4", 3/8", 1/2", 3/4", 1" female outlet conn.



**36275 Adjustable Ball**

1/8", 1/4", 3/8", 1/2", 3/4" male inlet conn.  
1/8", 1/4", 3/8", 1/2", 3/4" male outlet conn.  
45° total included angle of adjustment  
Materials: Brass, 303 stainless steel, 316 stainless steel



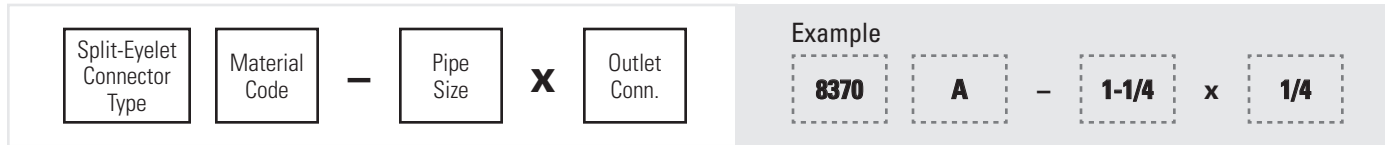
**MATERIAL**

**CODE**

Zinc-plated steel clamps/bolts with brass body	A
All stainless steel	B
Zinc-plated steel clamps/bolts with stainless connector body	C
Stainless steel clamps/bolts with brass body	D

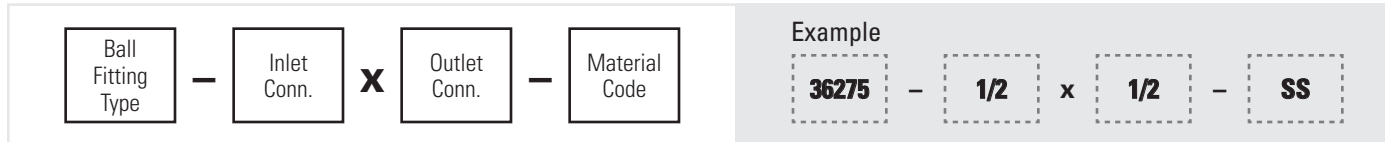
**ORDERING INFORMATION**

**SPLIT-EYELET CONNECTOR**



BSPT connections require the addition of a "B" prior to the connector type.

**ADJUSTABLE BALL FITTING 36275**



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

**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			
7521	1/2	20-22	•	•					17	13.2	A, B, C, D
	3/4	25-27	•	•							
	1	32-35	•	•							
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.

Adjustable Ball Fitting	Inlet Conn. (in.)	Outlet Conn. (in.)	Materials
36275	1/8	1/8	Brass (no code), 303 stainless steel (SS), 316 stainless steel (316SS)
	1/4	1/4	
	1/4	1/8	
	3/8	3/8	
	3/8	1/4	

If inlet and outlet connections are different sizes, contact your local sales engineer.

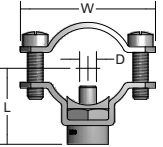
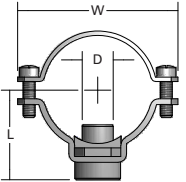
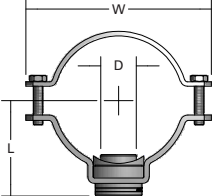
Adjustable Ball Fitting	Inlet Conn. (in.)	Outlet Conn. (in.)	Materials
36275	1/2	1/2	Brass (no code), 303 stainless steel (SS), 316 stainless steel (316SS)
	1/2	1/4	
	1/2	3/8	
	3/4	3/4	

If inlet and outlet connections are different sizes, contact your local sales engineer.

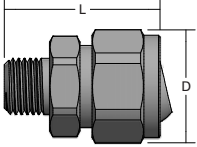




**DIMENSIONS AND WEIGHTS**

Split-Eyelet	Accessory Type	Pipe Size (in.)	W (mm)	D (Dia.) (mm)	L (mm)	Net Weight (kg)
	<b>7521</b>	1/2	23.8	7.1	28.1	0.09
		3/4	23.8	7.1	30.8	0.09
		1	23.8	7.1	34.2	0.07
	<b>8370</b>	1-1/4	27	17.5	40.9	0.18
		1-1/2	27	17.5	44	0.20
		2	27	17.5	50	0.21
	<b>15475</b>	2-1/2	28.6	31.8	62.7	0.28
		3	28.6	31.8	70.6	0.82
		4	28.6	31.8	83.3	0.97

Based on the largest/heaviest version of each type.

Adjustable Ball	Accessory Type	Inlet Conn. (in.)	Outlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Hex. (in.)	Net Weight (kg)
	<b>36275</b>	1/8	1/8	34.9	24.6	7/8	0.06
		1/4	1/4	39.7	27.8	1	0.09
		1/4	1/8	39.7	27.8	1	0.09
		3/8	3/8	45.2	34.9	1-1/4	0.16
		3/8	1/4	34.9	25.5	1-1/4	0.29
		1/2	1/2	56.4	42.1	1-1/2	0.49
		1/2	1/4	47.6	34.9	1-1/2	0.29
		1/2	3/8	47.6	34.9	1-1/2	0.16
		3/4	3/4	61.1	48.4	1-7/8	0.50

Based on the largest/heaviest version of each type.



**OVERVIEW: CHECK VALVES**

- Positive drip-free shut-off maintains line pressure during on/off spraying cycles
- Minimal pressure drop through CV and diaphragm valves

**CHECK VALVE OPTIONS**

**AB Ball**

1/8", 1/4" male inlet and female outlet conn.  
 Max. pressure: 125 psi (9 bar)  
 Max. flow rate: 2 gpm (8 lpm)  
 5, 10 or 20 psi (0.35, 0.7 or 1.5 bar) opening pressures  
 Materials: Aluminum, brass, stainless steel



**BB Ball**

1/4" male inlet and male outlet conn.  
 Max. pressure: up to 125 psi (9 bar)  
 Max. flow rate: 0.5 gpm (2 lpm)  
 5, 10, 20 or 25 psi (0.35, 0.7, 1.5 or 1.7 bar) opening pressures  
 Materials: Brass, stainless steel



**10742A Diaphragm**

1/8", 1/4" male inlet and female outlet conn.  
 Max. flow rate: 2 gpm (8 lpm)  
 7 psi (0.5 bar) opening pressure  
 Materials: Aluminum, brass



**12328 Diaphragm**

1/2", 3/4" male inlet and female outlet conn.  
 Max. flow rate: 15 gpm (57 lpm)  
 7 psi (0.5 bar) opening pressure  
 Material: Nylon



**CV Series**

AACV 1/8", 1/4" female inlet and female outlet conn.  
 BACV 1/8", 1/4" male inlet and female outlet conn.  
 ABCV 1/8", 1/4" female inlet and male outlet conn.  
 BBCV 1/8", 1/4" male inlet and male outlet conn.  
 Max. pressure: 150 psi (10 bar)  
 5, 10 or 20 psi (0.35, 0.7 or 1.5 bar) opening pressures  
 Materials: Brass, stainless steel



**MATERIAL**

**CODE**

Aluminum	AL
Brass	No code
Nylon	NYB
303 stainless steel	SS

**ORDERING INFORMATION****AB AND BB BALL-TYPE CHECK VALVES**

BSPT connections require the addition of a "B" prior to the inlet connection.  
Opening pressure is ordered in psi.

**10742A DIAPHRAGM CHECK VALVE**

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

**12328 DIAPHRAGM CHECK VALVE**

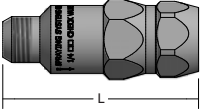
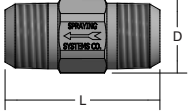
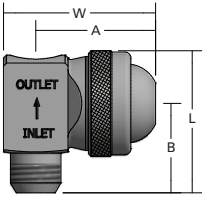
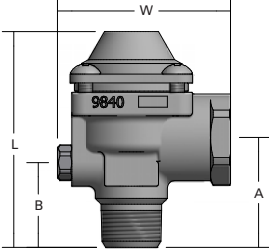
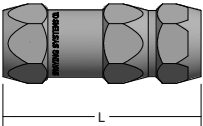
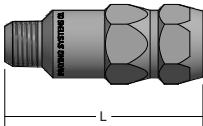
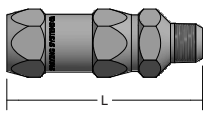
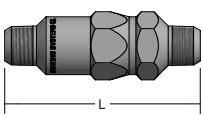
BSPT connections require the addition of a "B" prior to the inlet connection.

**CV SERIES CHECK VALVE**

BSPT connections require the addition of a "B" prior to the inlet connection.  
Opening pressure is ordered in psi.



**DIMENSIONS AND WEIGHTS**

Check Valve	Accessory Type	Inlet Conn. (in.)	Outlet Conn. (in.)	A (mm)	B (mm)	L (mm)	D (Dia.) (mm)	W (mm)	Hex. (in.)	Net Weight (kg)
	<b>AB</b>	1/8 (M)	1/8 (F)	–	–	46	–	–	5/8	0.06
		1/4 (M)	1/4 (F)	–	–	58.8	–	–	13/16	0.09
	<b>BB</b>	1/4 (M)	1/4 (M)	–	–	24.2	15.5 dia.	–	9/16	0.03
	<b>10742A</b>	1/8 (M)	1/8 (F)	35.9	23	36.1	–	27.2	0.688 sq.	0.11
		1/4 (M)	1/4 (F)	35.9	24.2	37.3	–	27.2	0.688 sq.	0.11
	<b>12328</b>	1/2 (M)	1/2 (F)	41.2	30.9	84.9	–	77.8	–	0.73
		3/4 (M)	3/4 (F)	41.2	30.9	84.9	–	77.8	–	0.73
	<b>AACV</b>	1/8 (F)	1/8 (F)	–	–	59.4	–	–	13/16	0.09
		1/4 (F)	1/4 (F)	–	–	59.4	–	–	13/16	0.10
	<b>BACV</b>	1/8 (M)	1/8 (F)	–	–	57.9	–	–	13/16	0.09
		1/4 (M)	1/4 (F)	–	–	59.4	–	–	13/16	0.10
	<b>ABCV</b>	1/8 (F)	1/8 (M)	–	–	68	–	–	13.16	0.09
		1/4 (F)	1/4 (M)	–	–	59.4	–	–	13/16	0.10
	<b>BBCV</b>	1/8 (M)	1/8 (M)	–	–	66.5	–	–	13/16	0.10
		1/4 (M)	1/4 (M)	–	–	59.4	–	–	13/16	0.10

Based on the largest/heaviest version of each type.

**OVERVIEW: PLUG AND BALL VALVES**

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

**PLUG 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 T Outlet**

- Available in:
- 1/4" female inlet and T outlet conn.
  - 1/4" female inlet conn. and 11/16"-16 UniJet® thread outlet

Materials: Brass body with Celcon plug handle



**23220 Plug Valve, Male x T Outlet**

- Available in:
- 1/4" male inlet and T outlet conn.
  - 1/4" male inlet conn. and 11/16"-16 UniJet thread outlet

Materials: Brass body with Celcon plug handle



**23220 Plug Valve, Male x Female**

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

Materials: Brass body with Celcon plug handle



**23220 Plug Valve, Female x Male**

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

Materials: Brass body with Celcon plug handle



**BALL VALVE OPTIONS**

**20900 Ball Valve**

- On/off ball type  
 UniJet system compatible  
 1/4" male or female inlet and 11/16"-16 UniJet thread outlet  
 Materials: Brass body and handle; stainless steel ball



ORDERING INFORMATION

PLUG VALVES



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

DIMENSIONS AND WEIGHTS

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)	11/16-16	54	29.4	.064
	23220	1/4 (F)	11/16-16	54	29.4	.065
	23220	1/4 (M)	1/4 (F)	44.5	29.4	.059
	23220	1/4 (F)	1/4 (M)	44.5	29.4	.056
	20900	1/4 (M)	11/16-16	59	33.3	.087
		1/4 (F)	11/16-16	59	33.3	.092

Based on the largest/heaviest version of each type.



**OVERVIEW: THROTTLING AND PRESSURE RELIEF/REGULATING VALVES**

- Easily regulate flow in systems using centrifugal pumps with throttling valves; adjustable cap and lock ring provide easy valve control
- Control line pressure and minimize liquid waste with adjustable relief valves that return excess liquid back to the liquid source or pump inlet

**PRESSURE RELIEF REGULATING VALVE OPTIONS**

**23120**

1/2", 3/4" male inlet and female outlet conn.  
 Pressure relief valve  
 Adjustable lock nut  
 Material: Polypropylene



**8460**

1/2", 3/4" male inlet and female bypass conn.  
 Diaphragm-style pressure relief valve  
 Female pressure gauge port and plug for use when pressure gauge not used  
 Fairprene® diaphragm seal prevents fluid from working parts  
 Materials: Aluminum housing with nylon body



**6815**

1/2", 3/4" male inlet and female outlet conn.  
 Piston-type pressure relief valve  
 Free floating design improves speed and sensitivity  
 Materials: Aluminum, brass, hardened stainless steel



**110**

1", 1-1/4", 1-1/2" conn.  
 Piston-type pressure relief valve  
 Guide vane seat stabilizes flow for vibration reduction  
 Free floating design improves speed and sensitivity  
 Removable valve bonnet: no disturbance of fluid line connections  
 Materials: Aluminum, brass, ductile iron, hardened stainless steel



**THROTTLING VALVE OPTION**

**23520**

1/2", 3/4" male inlet and female outlet conn.  
 Throttling valve  
 Material: Polypropylene



**MATERIAL**

**CODE**

Aluminum	AL
Brass	No code
Ductile Iron	No code
Hardened stainless steel	HSS
Nylon/Aluminum	NY
Polypropylene	PP

See Trademark Registration and Ownership, page i-1.

**ORDERING INFORMATION**

**PRESSURE RELIEF/REGULATING VALVE**



BSPT connections require the addition of a "B" prior to the inlet connection. Pressure rating is ordered in psi.

**THROTTLING VALVE**



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

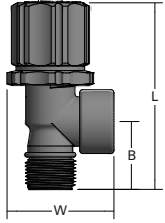
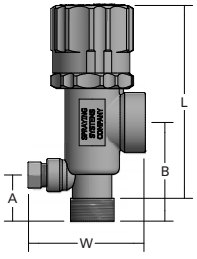
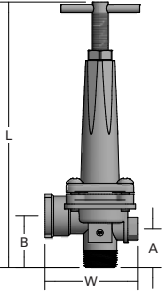
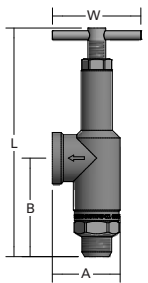
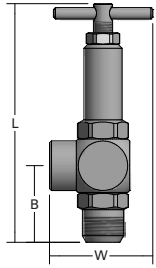
**SPECIFICATIONS**

Inlet/Outlet Pipe Conn. (in.)	Operating Pressure Max. psi (bar)	Valve Type							
		23520	23120	8460	6815	6815-HSS	6815-AL	110	110-AL
1/4	Up to 300 (20)							•	
	300 to 700 (20 to 48)							•	
	700 to 1000 (48 to 70)							•	
3/8	Up to 300 (20)							•	
	300 to 700 (20 to 48)							•	
	700 to 1000 (48 to 70)							•	
1/2	Up to 50 (3.5)				•		•		
	Up to 150 (10.4)	•	•						
	Up to 300 (20)			•	•		•		
	300 to 700 (20 to 48)				•		•		
	700 to 1200 (48 to 85)				•	•			
3/4	Up to 50 (3.5)				•		•		
	Up to 150 (10.4)	•	•						
	Up to 300 (20)			•	•		•		
	300 to 700 (20 to 48)				•		•		
	700 to 1200 (48 to 85)				•	•			
1	Up to 150 (10)								•
1-1/4	Up to 150 (10)								•
1-1/2	Up to 150 (10)								•





DIMENSIONS AND WEIGHTS

Valve	Accessory Type	Inlet/Outlet Conn. (in.)	L at Max. Opening Height (mm)	A (mm)	B (mm)	W (mm)	Net Weight (kg)
	23520	1/2	102	–	29.8	51	0.08
		3/4	114	–	35.8	57	0.08
	23120	1/2	133	26	60.3	66.8	0.16
		3/4	133.4	26	60.3	68.3	0.16
	8460	1/2	203.2	30.9	41.2	71.4	0.42
		3/4	203.2	30.9	41.2	71.4	0.37
	6815	1/2	168.3	48.4	69.9	63.5	0.59
		3/4	168.3	48.4	69.9	63.5	0.59
	110	1/4	101.6	–	30.9	42.9	0.2
		3/8	101.6	–	30.9	42.9	0.2
		1	184.1	–	63.9	68.3	1.23
		1-1/4	184.1	–	66.3	69.9	1.41
		1-1/2	196.9	–	106.9	25.4	1.54

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

**SOLENOID 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\***

<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">                 Model No.             </div>	Example <div style="border: 1px dashed black; padding: 5px; width: fit-content; margin: 0 auto;"> <b>11438-20</b> </div>
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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



## SPECIFICATIONS

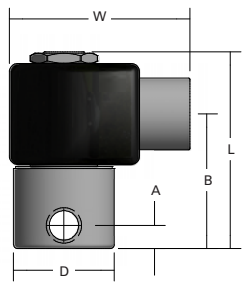
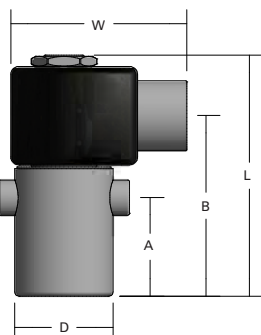
Port Conn. (in.)	Valve Action	Valve Type	Model Number	Max. Pressure (bar)	Orifice Size (mm)	Cv Factor**	Body Material	Seal Material
1/4	Direct-Acting Poppet	2-way	11438-20	4*	4.8	.50	Stainless steel	Viton®
1/4	Direct-Acting Poppet	2-way	11438-21	14*	3.2	.28	Stainless steel	Kel-F®
3/8	Pilot-Operated Diaph.	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).

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

See Trademark Registration and Ownership, page i-1.

## DIMENSIONS AND WEIGHTS

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

Based on the largest/heaviest version of each type.

**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 <b>11438-45</b>
---------------	----------------------------

**LIQUID PRESSURE REGULATOR**

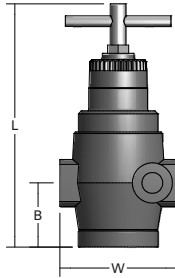
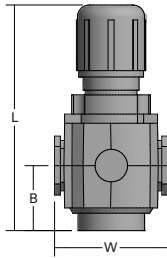
Regulator No.	Example <b>11438-250</b>
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SPECIFICATIONS

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	
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.



**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; bourdon tube

**GAUGE OPTIONS**

**26383**

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



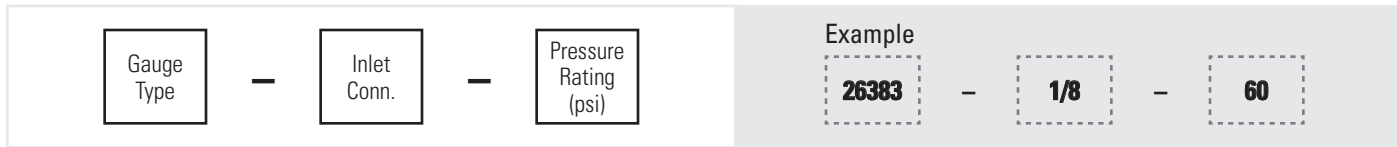
**26385**

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



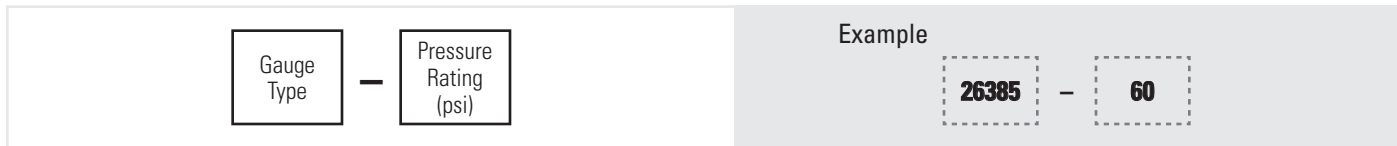
**ORDERING INFORMATION**

**PRESSURE GAUGE 26383**



Pressure rating is ordered in psi.

**PRESSURE GAUGE 26385**



Pressure rating is ordered in psi.

**SPECIFICATIONS**

Gauge Type	Inlet Conn. (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. (M)	Pressure Rating psi (bar)	Optimum Operating 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)



**OVERVIEW: HOSES AND MOUNTING BASES**

- Bendable hoses stay in place once they are positioned
  - Works with a variety of nozzle types
  - Lengths: 6", 12", 18", 24", 30" and 36" (15, 30, 46, 61, 76 and 91 cm)
  - Max. pressure: 250 psi (17.5 bar)
  - Max. operating temperature: air – 250°F (121°C); liquid – 200°F (93°C)
  - Max. operating flow at 250 psi (17.5 bar): 33 scfm (934 Nlpm)
- Magnetic mounting bases provide fast, easy set-up of nozzles
  - Shut-off valve assembled on base

**STAY-N-PLACE HOSE OPTIONS****57020**

1/4" male x 1/4" female conn.

**57025**

1/4" male x 1/4" male conn.

**MAGNETIC MOUNTING BASE OPTIONS****57045**

Single or double outlet



**ORDERING INFORMATION**

**STAY-N-PLACE HOSES**

<div style="border: 1px solid black; padding: 5px; display: inline-block;">Model No.</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Hose Length</div>	<p><b>Example</b></p> <div style="border: 1px dashed gray; padding: 5px; display: inline-block; margin-right: 10px;">57020</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">6</div>
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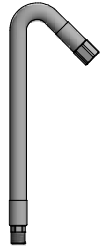
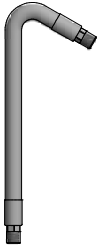
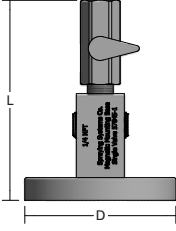
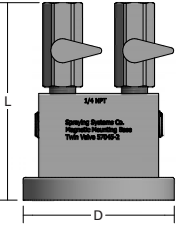
BSPT connections require the addition of a "B" prior to the model number. Example: B57020  
Hoses are ordered in inch lengths.

**MAGNETIC MOUNTING BASE**

<div style="border: 1px solid black; padding: 5px; display: inline-block;">Base No.</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Outlet Number</div>	<p><b>Example</b></p> <div style="border: 1px dashed gray; padding: 5px; display: inline-block; margin-right: 10px;">57045</div> <span style="font-size: 24px; margin: 0 10px;">-</span> <div style="border: 1px dashed gray; padding: 5px; display: inline-block;">001</div>
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Use 001 for single outlet; 002 for double outlet  
BSPT connections require the addition of a "B" prior to the base number.

**DIMENSIONS AND WEIGHTS**

Hose, Base	Accessory Type	Hose Length in. (cm)	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	<b>57020</b>	6 (15)	1/4	-	17.5	0.01
		12 (30)	1/4	-	17.5	0.01
		18 (46)	1/4	-	17.5	0.02
		24 (61)	1/4	-	17.5	0.02
		30 (76)	1/4	-	17.5	0.03
		36 (91)	1/4	-	17.5	0.03
	<b>57025</b>	6 (15)	1/4	-	17.5	0.01
		12 (30)	1/4	-	17.5	0.01
		18 (46)	1/4	-	17.5	0.02
		24 (61)	1/4	-	17.5	0.02
		30 (76)	1/4	-	17.5	0.03
		36 (91)	1/4	-	17.5	0.03
	<b>57045-1</b>	-	1/4	56.4	80	0.77
	<b>57045-2</b>	-	1/4	56.4	80	0.77

Based on the largest/heaviest version of each type.

