

METERING PUMP ACCESSORIES

Industrial Water & Wastewater Treatment

Blue-White[®]

FOOT VALVES & SUCTION STRAINERS

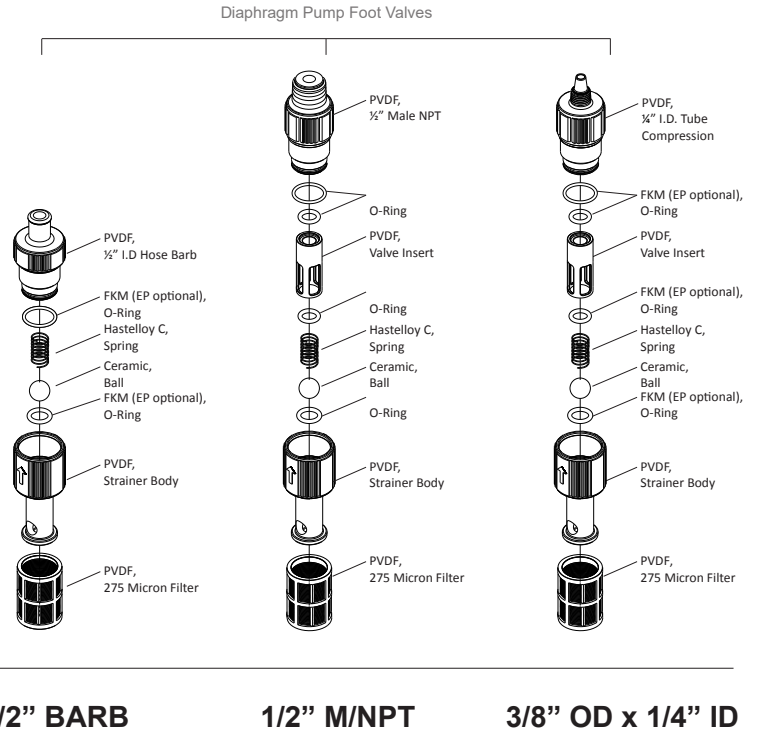
Diaphragm pumps:

The **Foot Valve** with Filter Strainer prevents loss of prime, and also restricts larger particles from entering into the metering pump, helping to avoid clogs.

Peristaltic pumps:

Peristaltic pumps can easily pump chemicals with particles. However, the use of a **Suction Strainer** can help prevent clogging in the required Injection check valve. For more viscous fluids, removal of the Polypropylene Filter from the Suction Strainer may allow for better flow.

A **Foot Valve** may be considered to prevent loss of prime when performing regular maintenance, such as replacing a Tube Assembly.



ORDERING

Diaphragm Pump Foot Valves

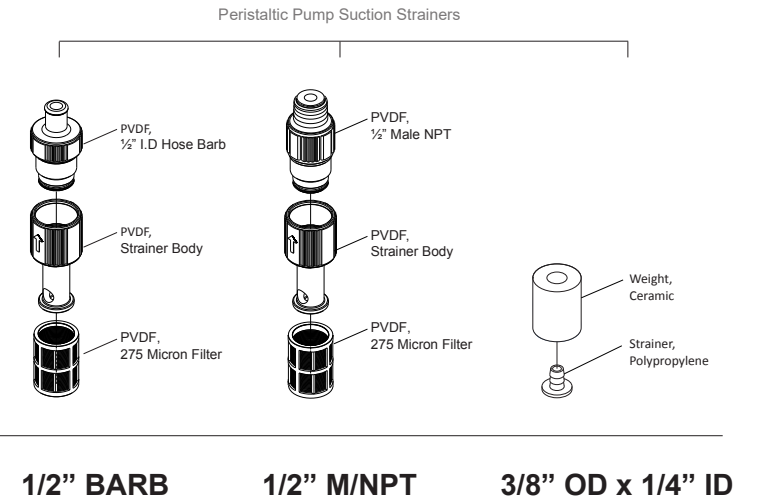
Suggested for Models C2, C3, CD1 & CD3

Part No.	Spring	O-ring	Connections
71000-575	2 lb	FKM	1/2" Barb
71000-576	2 lb	EP	1/2" Barb
71000-849	2 lb	FKM	1/2" M/NPT
71000-850	2 lb	EP	1/2" M/NPT
71001-106	2 lb	FKM	3/8" x 1/4"ID
71001-107	2 lb	EP	3/8" x 1/4"ID

Peristaltic Pump Suction Strainers

Suggested for Models A1, A2, A3 & A4

Part No.	Connections
71000-825	1/2" Barb
71000-824	1/2" M/NPT
90002-200 (Strainer Cap)	3/8" OD x 1/4"ID
90008-068 (Ceramic Weight)	3/8" OD x 1/4"ID



INJECTION FITTINGS (CHECK VALVE)

The Injection Fitting is designed to install directly into female pipe threads (NPT). The nose section is designed to inject the chemical.



To seal the connection, wrap PTFE tape on the threads for either installation methods.



Install upward for best results.

Installation options

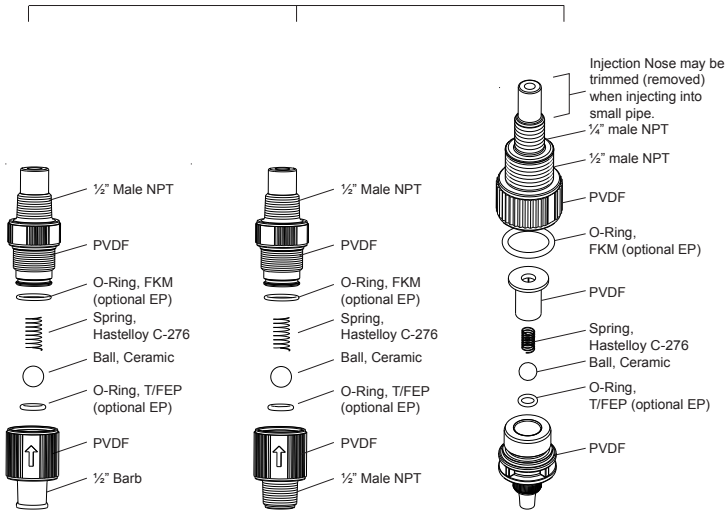
Tee fitting

Install the Injection Fitting directly into a tee fitting. The solution should inject directly into the flow stream.

Pipe

Install the Injection Fitting directly into pipe. Drill the correct size hole and then tap the hole for 1/4" or 1/2" NPT.

Injection Fittings



1/2" BARB

1/2" M/NPT

3/8" OD x 1/4" ID

Suggested for Models A1, A2, A3 & A4

Part No.	Spring	O-ring	Connections
71000-770	2 lb	FKM	1/2" Barb
71000-377	2 lb	EP	1/2" Barb
71000-767	2 lb	FKM	1/2" M/NPT
71000-386	2 lb	EP	1/2" M/NPT
71000-551	0.5 lb	FKM	3/8" OD x 1/4" ID
71000-553	0.5 lb	EP	3/8" OD x 1/4" ID

Suggested for Models C2, C3, CD1 & CD3

Part No.	Spring	O-ring	Connections
71000-579	6 lb	FKM	1/2" Barb
71000-580	6 lb	EP	1/2" Barb
71000-577	6 lb	FKM	1/2" M/NPT
71000-578	6 lb	EP	1/2" M/NPT
71000-555	6 lb	FKM	3/8" OD x 1/4" ID
71000-557	6 lb	EP	3/8" OD x 1/4" ID

FLOW INDICATOR

The Flow Indicator is an excellent diagnostic tool for chemical feed pumps for detecting the following conditions:

- Lost prime
- Stopped motor
- Plugged injection fitting
- Faulty tube or diaphragm
- Plugged or dirty foot valve filter
- Chemical has been exhausted

Benefits

- "Half union" style fittings for quick disassembly, aides in cleaning and/or replacement.
- Annealed cast acrylic for enhanced strength and chemical resistance.
- Dual taper detects for maximum flow range (200:1 turndown).



Suggested for Use With Chemical Injection Pumps

Part No.	O-ring	Connections	Material
FI-100-8SV	FKM	1/2" PVC glue/slip	Clear Cast Acrylic Body, Ceramic Ball
FI-100-8SE	EP	1/2" PVC glue/slip	
FI-100-8MV	FKM	1/2" PVC M/NPT	
FI-100-8ME	EP	1/2" PVC M/NPT	

Detectable flow range Visual indicators

50 ml/min to 10,000 ml/min
0.01 GPH to 160 GPH

- Rhythmic rising and falling of the ball indicates flow.
- Air bubbles indicate chemical has exhausted.
- Stationary ball indicates no flow.

QUICK DISCONNECT

The orange discharge fitting has an automatic (active) functioning check valve, preventing chemical back flow.

The white suction fitting functions as a check valve when tubing is detached, preventing loss of prime and spills while changing the tube assembly. The suction valve is forced open when the tube assembly is attached.

Pumps	Compatible Tube Assemblies
A2	ND, NEE, NGG, G2G
A3	ND, NEE, NGG, NKL, G2G
A4	All listed tube assemblies
CD1	All listed tube assemblies



1/2" BARB

1/2" M/NPT

3/8" OD x 1/4" ID

FLEXIBLE TUBING

Flexible tubing for 3/8" OD and 1/4" ID tube compression connections, as well as 3/4" OD x 1/2" ID hose barb connections can be purchased in various lengths direct from the Blue-White factory.



ORDERING

Suggested for Models A2, A3, A4 & CD1

Part No.	O-ring	Connections
KIT - CQA	TFE/P	1/2" M/NPT, 1/2" Barb, and 3/8" OD, 1/4" ID Tube Compression for CD1
KIT - CQE	EP	1/2" M/NPT, 1/2" Barb, and 3/8" OD, 1/4" ID Tube Compression for CD1
KIT - QBV	FKM	1/2" Barb
KIT - QBE	EP	1/2" Barb
KIT - QBA	TFE/P	1/2" Barb
KIT - QMV	FKM	1/2" M/NPT
KIT - QME	EP	1/2" M/NPT
KIT - QMA	TFE/P	1/2" M/NPT
KIT - QSV	FKM	3/8" OD, 1/4" ID Tube Compression
KIT - QSE	EP	3/8" OD, 1/4" ID Tube Compression
KIT - QSA	TFE/P	3/8" OD, 1/4" ID Tube Compression

Wetted Materials	Temperature	Pressure rating
Body: PVDF	212 °F	125 PSI
Spring: Hasteloy C	100 °C	
O-ring: FKM, EP, TFE/P		

Suction (Inlet)

Part No.	Material	Dimensions	Compatible Fitting	Length
C-334-6	Clear PVC	3/8"OD x 1/4"ID	"S", Tube Comp.	5 ft.
C-334-6-10	Clear PVC	3/8"OD x 1/4"ID	"S", Tube Comp.	10 ft.
C-334-6-25	Clear PVC	3/8"OD x 1/4"ID	"S", Tube Comp.	25 ft.
76001-361	Clear PVC	3/4"OD x 1/2"ID	"B", 1/2" Barb	8 ft.

Discharge (Outlet)

Part No.	Material	Dimensions	Compatible Fitting	Length
C-335-6	Polyethylene (LLDPE)	3/8"OD x 1/4"ID	"S", Tube Comp.	5 ft.
C-335-6-10	Polyethylene (LLDPE)	3/8"OD x 1/4"ID	"S", Tube Comp.	10 ft.
C-335-6-25	Polyethylene (LLDPE)	3/8"OD x 1/4"ID	"S", Tube Comp.	25 ft.
90008-437	Clear, Braided PVC	3/4"OD x 1/2"ID	"B", 1/2" Barb	1 ft.*

NOTE: *Purchased by-the-foot

Compression Nuts & Metal Clamps

Part No.	Description	Compatible Fitting
C-330-6	PVDF Compression Nut, F/NPT Threaded	"S", Tube Comp.
90008-043	316 Stainless Steel, Screw tightened	"B", 1/2" Barb