



Model F76

WATER FILTER



- Patented impeller cleaning system backwashes the filter with a 'pulsating' high pressure stream direction through the filter screen
- No shut off required during backwash cycle
- Built-in secondary filter provides an uninterrupted supply of filtered water during backwashing
- Internal bypass construction eliminates stagnant water in seldom used bypass lines
- In-line cleaning without disassembly
- Automatic backwash option available

The Cla-Val F76 removes harmful dirt and debris from water supply to valve pilot system. The F76 is easily and effectively cleaned. It can be used even where high sediment content makes use of common filters impossible. The F76 has an extremely efficient built-in backwashing device. It also supplies filtered water on demand even while backwashing. No longer must the water supply be interrupted to clean the filter.

The F76 is backwashed by simply opening the ball valve on the lower portion of the device. This causes water to flow in reverse direction through the filter. To increase the effectiveness of cleaning, water is propelled through the filter in a powerful jet stream from the rotating impeller. This patented device completely cleans the filter of build-up, restoring full flow in a few seconds.

Dimensions

Dimensions

Size	L [△]	I [△]	D [△]	H [△]	h [△]	Weight [△]
1/2 inch	6-11/16 (170)	4-5/16 (110)	3-13/16 (97)	17-11/16 (449)	13-13/16 (350)	6.4 (2.9)
3/4 inch	7 (178)	4-5/16 (110)	3-13/16 (97)	17-11/16 (449)	13-13/16 (350)	6.4 (2.9)
1 inch	8-1/14 (209)	5/8 (130)	3-13/16 (97)	17-7/8 (453)	13-13/16 (350)	6.8 (3.1)

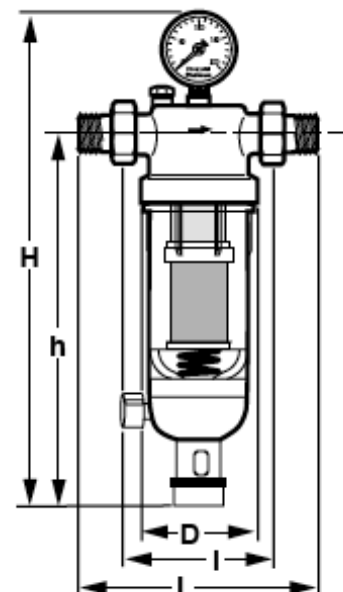
[△]Dimensions in inches and (millimeters).

[△]Weight in pounds and (kilograms).



Optional Automatic Backwashing Assembly

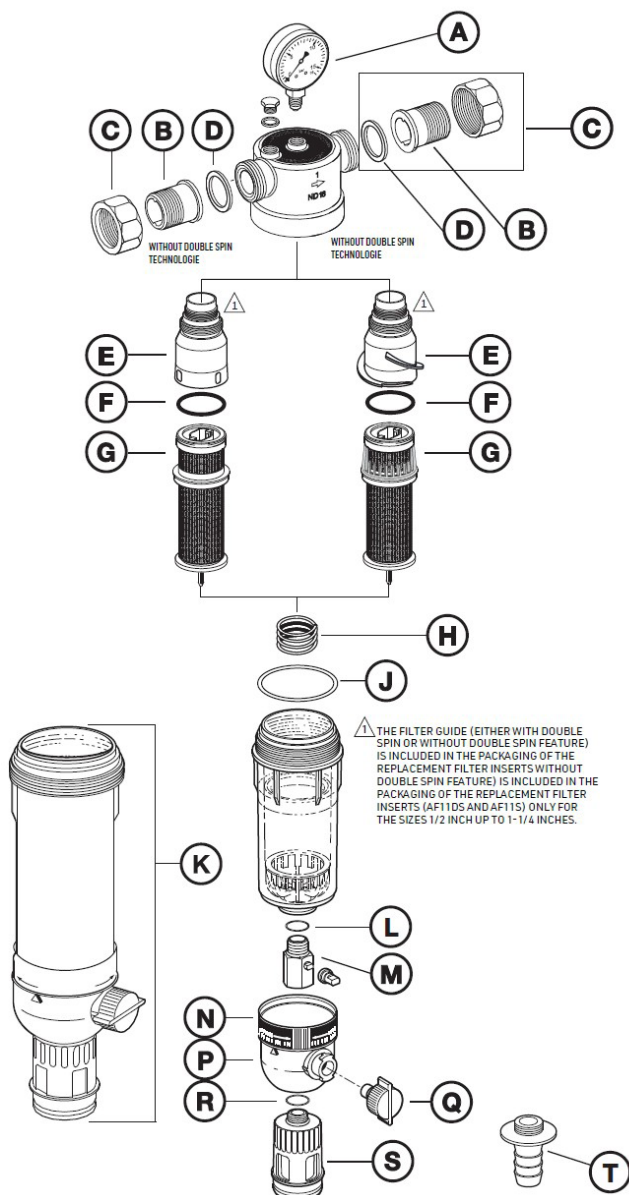
Valve with motor and timer replaces ball valve drain port for automatic backflushing at pre-programmed intervals. Power required 24 VAC, 50/60 Hz, 4 watts, battery backup.



Specifications

Sizes 1/2", 3/4", 1"	Internals Acetal Copolymer	Max. Temperature 180° F
Connection Threaded NPT	Seals NBR	Mesh 100 microns standard (50 or 200 also available)
Body Brass	Ball Valve Stainless Steel With PTFE Seals	Gauge Included
Sump Brass	Max. Inlet PSI 400 psi	Automatic Backwash 24VAC, 50/60Hz (optional)
Filter Mesh Stainless Steel	Min. Required Inlet PSI 21 psi	

50 microns = 350 mesh approx.
100 microns = 175 mesh approx.
200 microns = 70 mesh approx.



Description
(A) Pressure Gauge (new style F76S only) Standard Pressure (230 psi) High Pressure (400 psi)
(B) Tailpieces (same for new and old style) Sweat Threaded (shown)
(C) Union Nuts
(D) Tailpiece Gaskets (sold in packs of 10)
(E) Guide Barrel
Screen Insert Complete (new style only) With Double Spin
Includes: 20 Micron (F), (G), (J) 50 Micron 100 Micron 200 Micron
Without Double Spin
Includes: 20 Micron (F), (G), (J) 50 Micron 100 Micron 200 Micron
(H) Base Spring
(J) Chamber O Ring (sold in packs of 10)
Filter Sump Kits (new style only) Clear Plastic Bronze
Includes: (J) Chamber O-Ring (K) Sump (L) Ball Valve O-Ring (M) Integrated Ball Valve (N) Memory Ring (P) Ball Valve Bowl (Q) Ball Valve Knob (R) Joint Ring Seal (S) Drain Connector
Ball Valve Assembly (new style only)
Includes: (M) Ball Valve (L) Ball Valve O-Ring
Sump Wrench

