



Series P75 and P80 **1 1/2 IN. and 2 IN. Screen and Disc Plastic Filters**

For residential, commercial and nursery applications.

FEATURES

- Low friction loss
- Wide range of stainless steel screens and discs in 40-200-mesh
- Screens and discs have excellent resistance to most common chemicals
- Color-coded replacement screens and discs
- Easy maintenance: screen and discs can be extracted from the filter body for easy cleaning
- Constructed of UV resistant, non-corrosive black plastic
- Interchangeable screen and discs elements with a wide range of filtration degrees

SPECIFICATIONS

- 1 1/2" and 2" MNPT Inlet and Outlet
- Maximum recommended flow rate for 1 1/2": 60 gpm (15 m3/h)
- Maximum recommended flow rate for 2": 80 gpm (20 m3/h)
- Operating Pressure: Up to 120 PSI (8.4 BAR)
- Temperature Range: Up to 130°F (54°C)
- Total screen filtration surface area 1 1/2": 85 sq. inch (552 cm²)
- Total screen filtration surface area 2": 103 sq. inch (670 cm²)
- Total disc filtration surface area 1 1/2": 60 sq. inch (385 cm²)
- Total disc filtration surface area 2": 75 sq. inch (488 cm²)
- Filter length-inlet to outlet 1 1/2": 10.1" (257 mm)
- Filter length-inlet to outlet 2": 10.1" (257 cm)

Filter Materials:

- Housing: Polypropylene
- O-ring: EPDM
- Pressure Testing Ports: Polypropylene
- Pressure Testing Seals: Natural Rubber BR

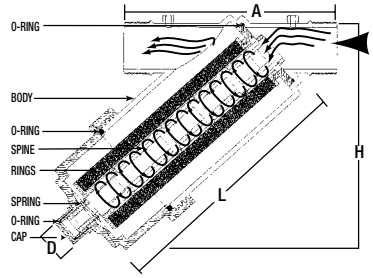
DIMENSIONS AND WEIGHT									
Size	A		D		L		H	Wt	
Inch	in	mm	in	mm	in	mm	in	mm	
1 1/2" long	10.1	257	3.1	80	8.6	220	9.4	240	2.3
2"	10.1	257	3.1	80	10.4	265	10.6	270	2.6

SCREEN



Screen Materials:

- Cylinder: Polyester
- Screen: Polyester or Stainless Steel
- O-ring: EPDM



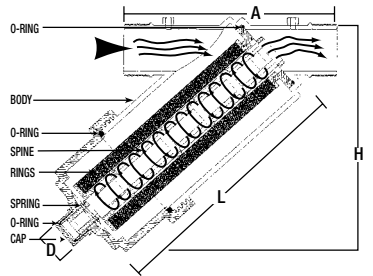
MODEL	DESCRIPTION	MICRON	MATERIAL	COLOR
17-080L	80 mesh, 1 1/2" long	180	stainless steel	blue
17-120L	120 mesh, 1 1/2" long	130	stainless steel	brown
17-155L	155 mesh, 1 1/2" long	100	stainless steel	green
17-200L	200 mesh, 1 1/2" long	80	stainless steel	burgundy
17-085	80 mesh, 2" long	180	stainless steel	blue
17-125	120 mesh, 2" long	130	stainless steel	brown
17-160	155 mesh, 2" long	100	stainless steel	green
17-205	200 mesh, 2" long	80	stainless steel	burgundy

DISC



Disc Materials:

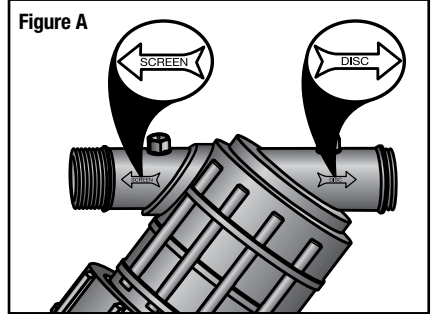
- Grooved Discs: Polypropylene
- Disc Cylinder Assembly: PBT
- Tightening Spring: Stainless Steel 304



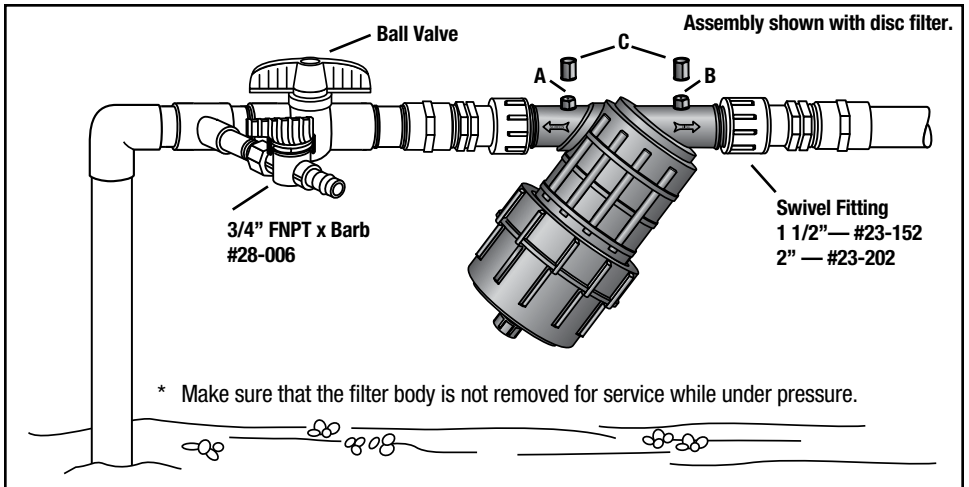
MODEL	DESCRIPTION	MICRON	MATERIAL	COLOR
17-040D	40 mesh, 1 1/2" long disc set	400	polypropylene	blue
17-041D	80 mesh, 1 1/2" long disc set	180	polypropylene	yellow
17-042D	120 mesh, 1 1/2" long disc set	130	polypropylene	red
17-043D	150 mesh, 1 1/2" long disc set	100	polypropylene	black
17-044D	40 mesh, 2" long disc set	400	polypropylene	blue
17-045D	80 mesh, 2" long disc set	180	polypropylene	yellow
17-046D	120 mesh, 2" long disc set	130	polypropylene	red
17-047D	150 mesh, 2" long disc set	100	polypropylene	black

INSTALLATION AND OPERATION

- By reversing the filter body direction a disc element can be substituted for the screen element.
- Use Teflon tape on the inlet and outlet thread connection.
- Water inlet is clearly marked by arrow. Make sure to install the filter according to the inlet/outlet direction. (see Figure A)
- If more than one filter is installed, leave sufficient space between units to facilitate maintenance.
- Normal working conditions are obtained when head loss is less than 4 PSI (0.25 BAR) with clean screen or disc element.
- If head loss exceeds 8-10 PSI (0.55 - 0.68 BAR), filter is either partially clogged or operating under an excessive flow rate.
- Maximum operational pressure should not exceed 120 PSI (8 BAR).
- Verify head loss by inserting pressure gauge with needle into pressure testing ports, (A and B) assembled on top of the filter body inlet and outlet. If threaded pressure gauge is used, remove cap from port A and B, thread on the blue adapters (C), then thread on the pressure gauge.



WARNING: Do not tighten or open cover during operation or while under pressure.



PERIODIC CLEANING

- Periodic service can be accomplished by unscrewing the cover, removing the screen or disc and rinsing under water.
- Clean the filter and check the disc or screen elements when head loss reaches 8-10 PSI (0.55 - 0.68 BAR) or on completion of the irrigation cycle.

STEPS:

- 1 Close valve at the inlet of the filter.
- 2 Open 3/4" FPT cap to release pressure.
- 3 Unscrew the cover counter clockwise and remove, then rinse the disc or screen elements thoroughly using the 3/4" ball valve.
- 4 Verify that the disc or screen elements are undamaged.
- 5 Verify that the O-ring is in position.
- 6 Assemble screen or disc elements.

3 YEAR WARRANTY

DIG CORPORATION warrants these products to be free from defects in material and workmanship for a period of three years from date of purchase. This warranty does not cover damage resulting from accident, misuse, neglect, modification, improper installation or subjection to line pressure in excess of 120 PSI. This warranty shall extend only to the original purchaser of the product for use by the purchaser. This warranty shall not cover any malfunction of the product due to high pressure above 120 PSI. The obligation of DIG CORPORATION under this warranty is limited to repairing or replacing at its factory this product which shall be returned to the factory within two years after the original purchase and which on examination is found to contain defects in material and workmanship.

DIG CORPORATION SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND; THE SOLE OBLIGATION OF DIG BEING LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Unattended use for prolonged periods without inspection to verify proper operation is beyond the intended use of this product, and any damage resulting from such use shall not be the responsibility of DIG CORPORATION. There are no warranties which extend beyond the description on the face hereof. In the case of purchase of the product for use other than, for irrigation purposes, DIG CORPORATION hereby disclaims any implied warranties including any warranties of merchantability and fitness for a particular purpose. In the case of the purchase of the product for personal, family or household purposes, DIG CORPORATION disclaims any such warranties to the extent permitted by law. To the extent that any such disclaimer or implied warranties shall be ineffectual, then any implied warranties shall be limited in duration to a period of one year from the date of the original purchase for use by the purchaser. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

In order to obtain performance under this warranty, the unit must be returned to the factory, along with proof of purchase indicating original date of purchase, shipping prepaid, addressed as follows:

DIG CORPORATION, 1210 Activity Drive, Vista, CA 92081. Repaired or replaced units will be shipped prepaid to the name and address supplied with the unit returned under warranty. Allow four weeks for repairs and shipping time. Repair of damaged units not otherwise within warranty may be refused or done at a reasonable cost or charge at the option of DIG CORPORATION.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

1.800.322.9146 FAX: 760.727.0282



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