

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



1210 Activity Drive
Vista, CA 92081 USA

www.digcorp.com
e-mail: dig@digcorp.com
022818 26-037 © 2018 DIG Corp



INSTALLATION INSTRUCTIONS



Series P75 and P80 1 1/2" and 2" 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 (or BSP) Inlet and Outlet
- 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 in² (548 cm²)
- Total screen filtration surface area 2": 103 in² (665 cm²)
- Total disc filtration surface area 1 1/2": 60 in² (387 cm²)
- Total disc filtration surface area 2": 75 in² (483 cm²)
- Maximum recommended flow rate for 1 1/2": 50 gpm (11.3 m³/h)
- Maximum recommended flow rate for 2": 80 gpm (18.1 m³/h)
- Filter length-inlet to outlet 1 1/2": 10.1" (257 mm)
- Filter length-inlet to outlet 2": 10.1" (257 mm)

Filter Materials:

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

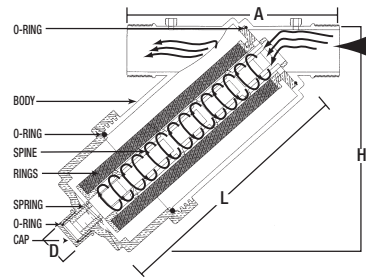
| DIMENSIONS AND WEIGHT | | | | | | | | | |
|-----------------------|------|-----|-----|----|------|-----|------|-----|-----|
| Size | A | D | L | H | Wt | | | | |
| Inch | in | mm | in | mm | lb | | | | |
| 1 1/2" long | 10.1 | 257 | 3.1 | 80 | 8.6 | 220 | 9.4 | 240 | 2.3 |
| 2" | 10.1 | 257 | 3.1 |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

SCREEN



Screen Materials:

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



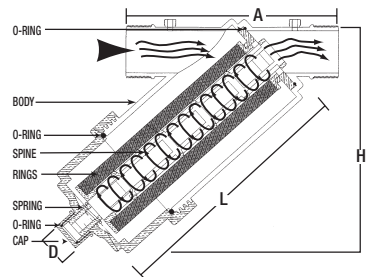
| MODEL | DESCRIPTION | MICRON | MATERIAL | COLOR |
|---------|-----------------------|--------|-----------------|----------|
| 17-080L | 80 mesh, 1 1/2" long | 180 | stainless steel | blue |
| 17-120L | 120 mesh, 1 1/2" long | 130 | stainless steel | brown |
| 17-155L | 155 mesh, 1 1/2" long | 100 | 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:

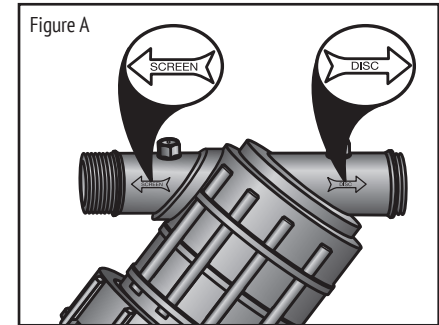
- Grooved Discs: Polypropylene
- Disc Cylinder Assembly: PBT
- Tightening Spring: Stainless Steel 304



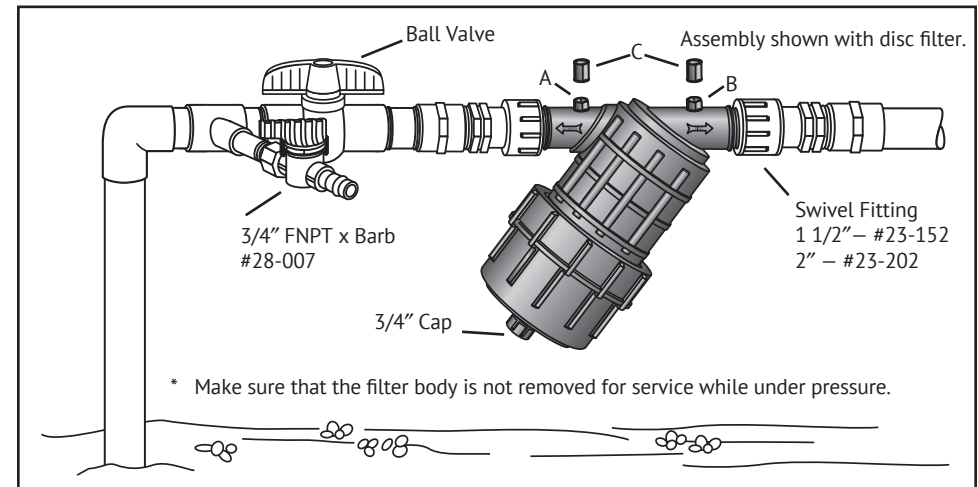
| MODEL | DESCRIPTION | MICRON | MATERIAL | COLOR |
|---------|--------------------------------|--------|---------------|--------|
| 17-040D | 40 mesh, 1 1/2" long disc set | 400 | polypropylene | blue |
| 17-041D | 80 mesh, 1 1/2" long disc set | 180 | polypropylene | yellow |
| 17-042D | 120 mesh, 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 a 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 the ball valve at the filter inlet.
2. Open the 3/4" FPT cap to release pressure.
3. Unscrew the cover counter clockwise. Remove the disc or screen elements and rinse 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 the screen or disc elements and screw the cover back on.
note: use the tool, part # 17-034, to open the over

