

## Manual Disc Filters

### Product Advantages

- Engineered for efficient operation - year after year with practically zero maintenance.
- Flat, grooved plastic rings stack together to form a cylindrical filter element.
- Easy cleaning - no scrubbing is necessary.
- Greater holding capacity - filters through the entire ring depth - not just the surface.
- During filtration, pressure increases and compresses the rings increasing efficiency and protecting the system from clogging.
- Constructed of the highest quality UV protected reinforced polymer plastic.
- Degree of filtration is easily changed - replace disc rings with desire mesh size.
- Available in a range of sizes, degrees of filtration and flow capacities.
- Works well as stand-alone units or combined to form modular filter batteries.



### Manual Disc Filters

| Mesh | Filter Size |    |          |        |             |          |         |          |      |
|------|-------------|----|----------|--------|-------------|----------|---------|----------|------|
|      | 3/4"        | 1" | 1" Super | 1 1/2" | 1 1/2 Super | 2" Super | 3" Twin | 3" Angle | 4" V |
| 040  | O           | O  | O        | O      | O           | O        | O       | O        | O    |
| 080  | X           | X  | X        | X      | X           | X        | X       | X        | X    |
| 120  | X           | X  | X        | X      | X           | X        | X       | X        | X    |
| 140  | X           | X  | X        | X      | X           | X        | X       | X        | X    |
| 200  | N/A         | O  | O        | O      | O           | O        | O       | O        | O    |

X = Standard

O = Optional

n/a = Not Available

### Application

Protection of irrigation systems from clogging and/or abrasion

Working conditions of 1 to 350 GPM

Temperature from minus 40° to 160°

### Materials

**Filter Body and Cover:** Reinforced Polyamide

**Disc Rings:** Polypropylene

**O-Rings:** EPDM Rubber

**Clamps:** Stainless Steel

Available from:

**BI Pure Water (Canada) Inc.**

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|   |   |  |
|---|---|--|
|    |    |   |
| <p><b>3/4" Filter</b></p> <p>Flow range: 1-18 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 24.8 sq.in.<br/> Filtering Volume: 5.8 cu.in<br/> Length: 8 1/16"<br/> Width: 9 5/8"<br/> Weight: .8 lbs<br/> Distance between end Connections: 6"<br/> Inlet/Outlet Diameter: 3/4" male</p>                          | <p><b>1" Filter</b></p> <p>Flow range: 5-26 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 48.91 sq.in.<br/> Filtering Volume: 26.8 cu.in<br/> Length: 8 7/8"<br/> Width: 5 1/8"<br/> Weight: 2.4 lbs<br/> Distance between end Connections: 6 7/32"<br/> Inlet/Outlet Diameter: 1" male</p>                 | <p><b>1" Super Filter</b></p> <p>Flow range: 10-35 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 77.78 sq.in.<br/> Filtering Volume: 36.1 cu.in<br/> Length: 13 11/16"<br/> Width: 5 1/8"<br/> Weight: 3.13 lbs<br/> Distance between end Connections: 6 7/32"<br/> Inlet/Outlet Diameter: 1" male</p> |
|    |    |   |
| <p><b>1 1/2" Filter</b></p> <p>Flow range: 10-35 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 49 sq.in.<br/> Filtering Volume: 26.8 cu.in<br/> Length: 8 25/32"<br/> Width: 5 1/8"<br/> Weight: 2.9 lbs<br/> Distance between end Connections: 7 7/8"<br/> Inlet/Outlet Diameter: 1 1/2" male</p>                | <p><b>1 1/2" Super Filter</b></p> <p>Flow range: 10-52 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 77.8 sq.in.<br/> Filtering Volume: 36.1 cu.in<br/> Length: 14 1/16"<br/> Width: 5 1/8"<br/> Weight: 3.32 lbs<br/> Distance between end Connections: 7 7/8"<br/> Inlet/Outlet Diameter: 1 1/2" male</p> | <p><b>2" Super Filter</b></p> <p>Flow range: 40-120 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 148 sq.in.<br/> Filtering Volume: 75 cu.in<br/> Length: 19 19/32"<br/> Width: 5 1/8"<br/> Weight: 13.2 lbs<br/> Distance between end Connections: 7 7/8"<br/> Inlet/Outlet Diameter: 2" male</p>     |
|    |    |   |
| <p><b>3" Twin Filter</b></p> <p>Flow range: 80-175 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 291 sq.in.<br/> Filtering Volume: 150 cu.in<br/> Length: 35.3"<br/> Width: 11 11/16"<br/> Weight: 26.8 lbs<br/> Distance between end Connections: 12 19/32"<br/> Inlet/Outlet Diameter: 3" flanged or groove</p> | <p><b>3" Angle Filter</b></p> <p>Flow range: 80-220 GPM<br/> Max Pressure: 140 psi<br/> Filtering Surface Area: 287 sq.in.<br/> Filtering Volume: 54 cu.in<br/> Length: 25 7/32"<br/> Width: 11 11/16"<br/> Weight: 26 lbs<br/> Inlet/Outlet Diameter: 3/4" flanged or groove</p>   | <p><b>4" V Filter</b></p> <p>Flow range: 160-350 GPM<br/> Max Pressure: 110 psi<br/> Filtering Surface Area: 574 sq.in.<br/> Filtering Volume: 108 cu.in<br/> Length: 41 1/2"<br/> Width: 44.7"<br/> Weight: .8lbs<br/> Distance between end Connections: 16 9/32"<br/> Inlet/Outlet Diameter: 4" grooved</p>        |