FILTRATION

MANUAL DISC FILTERS

RELIABLE, EFFICIENT PLASTIC DISCS CREATE SUPERIOR FILTRATION

PRODUCT ADVANTAGES

- Highly effective multiple disc ring design captures and holds more debris.
- Greater holding capacity of the rings vs. screen filters mean less frequent cleaning.
- Rings are easily removed for fast cleaning without the need for scrubbing.
- Color-coded disc rings make identification of mesh rating fast and easy.

APPLICATIONS

- Primary irrigation filter for relatively clean or average water quality
- Protection of irrigation systems from clogging and/or abrasion

THE FILTERING PROCESS

Grooved, compressed plastic disc rings produce a deep filtration process. As dirty water is pumped into the filter and pressure increases on the outside of the filter, the water pressure compresses the rings together tightly.

Grooves in the disc rings crisscross, forming a three-dimensional network that traps particles. The number of crisscrossed intersection points on each groove varies, depending on filtration grade. The turbulence in the varying paths and the large number of intersections create an environment where particles are eventually trapped.

This design filters the dirty water thoroughly, not only on the outer surface of the cylindrical disc filter, but through the entire depth of every ring’s grooves. The result is a larger, more efficient filtering area (when compared to screen filters) with more debris being captured and cleaner water exiting from the filter.

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Substitute *** in Model Number for proper mesh.
### 3/4” FILTER
- **FLOW RANGE**: 1 - 12 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 25 sq. in.
- **FILTERING VOLUME**: 5.8 cu. in.
- **LENGTH**: 5 22/32”
- **WIDTH**: 7 15/32”
- **WEIGHT**: .66 lbs.
- **DISTANCE BETWEEN ENDS**: 6”
- **INLET/OUTLET DIAMETER**: 3/4” Male
- **MODEL NUMBER**: 25A45-***

### 1” FILTER
- **FLOW RANGE**: 5 - 26 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 49 sq. in.
- **FILTERING VOLUME**: 27 cu. in.
- **LENGTH**: 9 11/32”
- **WIDTH**: 6 7/32”
- **WEIGHT**: 2.2 lbs.
- **DISTANCE BETWEEN ENDS**: 6 7/32”
- **INLET/OUTLET DIAMETER**: 1” Male
- **MODEL NUMBER**: 25A47-***

### 1” SUPER FILTER
- **FLOW RANGE**: 10 - 35 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 78 sq. in.
- **FILTERING VOLUME**: 36 cu. in.
- **LENGTH**: 13 13/32”
- **WIDTH**: 6 7/32”
- **WEIGHT**: 3.11 lbs.
- **DISTANCE BETWEEN ENDS**: 6 7/32”
- **INLET/OUTLET DIAMETER**: 1” Male
- **MODEL NUMBER**: 25A48-***

### 2” DUAL LITE FILTER
- **FLOW RANGE**: 40 - 110 GPM
- **MAXIMUM PRESSURE**: 115 psi
- **FILTERING SURFACE AREA**: 147 sq. in.
- **FILTERING VOLUME**: 75.7 cu. in.
- **LENGTH**: 16 5/16”
- **WIDTH**: 10 1/4”
- **WEIGHT**: 6.6 lbs.
- **DISTANCE BETWEEN ENDS**: 10 1/4”
- **INLET/OUTLET DIAMETER**: 2” Male
- **MODEL NUMBER**: 25A2DL-***

### 3” TWIN LITE FILTER
- **FLOW RANGE**: 80 - 220 GPM
- **MAXIMUM PRESSURE**: 115 psi
- **FILTERING SURFACE AREA**: 294.5 sq. in.
- **FILTERING VOLUME**: 174 cu. in.
- **LENGTH**: 28 3/4”
- **WIDTH**: 9 14/32”
- **WEIGHT**: 17 lbs.
- **DISTANCE BETWEEN ENDS**: 12 19/32”
- **INLET/OUTLET DIAMETER**: 3” Flanged
- **MODEL NUMBER**: 25A3TL-***F
**1 1/2” FILTER**

- **FLOW RANGE**: 10 - 35 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 49 sq. in.
- **FILTERING VOLUME**: 27 cu. in.
- **LENGTH**: 10 5/8”
- **WIDTH**: 7 7/8”
- **WEIGHT**: 2.4 lbs.
- **DISTANCE BETWEEN ENDS**: 7 7/8”
- **INLET/OUTLET DIAMETER**: 1 1/2” Male
- **MODEL NUMBER**: 25A15-***

**1 1/2” SUPER FILTER**

- **FLOW RANGE**: 10 - 52 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 78 sq. in.
- **FILTERING VOLUME**: 36 cu. in.
- **LENGTH**: 14 1/2”
- **WIDTH**: 7 7/8”
- **WEIGHT**: 3.3 lbs.
- **DISTANCE BETWEEN ENDS**: 7 7/8”
- **INLET/OUTLET DIAMETER**: 1 1/2” Male
- **MODEL NUMBER**: 25A17-***

**2” DUAL HP FILTER**

- **FLOW RANGE**: 40 - 120 GPM
- **MAXIMUM PRESSURE**: 174 psi
- **FILTERING SURFACE AREA**: 147 sq. in.
- **FILTERING VOLUME**: 75 cu. in.
- **LENGTH**: 14 3/4”
- **WIDTH**: 10 1/4”
- **WEIGHT**: 51 lbs.
- **DISTANCE BETWEEN ENDS**: 10 1/4”
- **INLET/OUTLET DIAMETER**: 2” Male
- **MODEL NUMBER**: 25A30-***

**3” ANGLE FILTER**

- **FLOW RANGE**: 10 - 35 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 287 sq. in.
- **FILTERING VOLUME**: 108 cu. in.
- **LENGTH**: 24 7/8”
- **WIDTH**: 12 3/32”
- **WEIGHT**: 31 lbs.
- **INLET/OUTLET DIAMETER**: 3”
- **MODEL NUMBER - FLANGED**: 25A53-***FNEW
- **MODEL NUMBER - GROOVED**: 25A53-***GNEW

**4” TWIN FILTER**

- **FLOW RANGE**: 160 - 450 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 574 sq. in.
- **FILTERING VOLUME**: 216 cu. in.
- **LENGTH**: 47”
- **WIDTH**: 13”
- **WEIGHT**: 52.8 lbs.
- **DISTANCE BETWEEN ENDS**: 17 11/32”
- **INLET/OUTLET DIAMETER**: 4” Flanged
- **MODEL NUMBER**: 25A78-***F

**6” TWIN FILTER**

- **FLOW RANGE**: 200 - 600 GPM
- **MAXIMUM PRESSURE**: 140 psi
- **FILTERING SURFACE AREA**: 574 sq. in.
- **FILTERING VOLUME**: 216 cu. in.
- **LENGTH**: 47”
- **WIDTH**: 13”
- **WEIGHT**: 57.2 lbs.
- **DISTANCE BETWEEN ENDS**: 17 11/32”
- **INLET/OUTLET DIAMETER**: 6” Flanged
- **MODEL NUMBER**: 25A80-***F
## MANUAL DISC FILTERS

### FILTER APPLICATION RECOMMENDATIONS

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The losses shown are for filters with 140 Mesh

### MATERIALS
- Disc Rings: Polypropylene
- O-Rings: EPDM Rubber
- Clamp: Stainless Steel (except 2" Dual Lite and 3" Twin Lite which is Plastic)

### ORDERING INFORMATION

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Substitute *** for proper mesh size.