Manual Disc Filters

Reliable, Efficient Plastic Discs
Create Superior Filtration

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 desired 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.

Applications
• Protection of irrigation systems from clogging and/or abrasion
• Working conditions of 1 to 350 GPM
• Temperatures from -40˚ to 160˚

Materials
Filter Body and Cover: Reinforced Polyamide
Disc Rings: Polypropylene
O-Rings: EPDM Rubber
Clamps: Stainless Steel

MICRON EQUIVALENT

<table>
<thead>
<tr>
<th>Mesh Size</th>
<th>Micron Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>400</td>
</tr>
<tr>
<td>080</td>
<td>200</td>
</tr>
<tr>
<td>120</td>
<td>130</td>
</tr>
<tr>
<td>140</td>
<td>115</td>
</tr>
<tr>
<td>200</td>
<td>75</td>
</tr>
</tbody>
</table>

DISC COLOR

<table>
<thead>
<tr>
<th>Mesh Size</th>
<th>Disc Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>Blue</td>
</tr>
<tr>
<td>080</td>
<td>Yellow</td>
</tr>
<tr>
<td>120</td>
<td>Red</td>
</tr>
<tr>
<td>140</td>
<td>Black</td>
</tr>
<tr>
<td>200</td>
<td>Green</td>
</tr>
</tbody>
</table>

NETAFIM USA
5470 E. Home Ave. • Fresno, CA 93727
888.638.2346 • 559.453.6800
FAX 800.695.4753
www.netafimusa.com
3/4" Filter

Flow range: 1-12 GPM
Maximum pressure: 140 psi
Filtering surface area: 24.8 sq. in.
Filtering volume: 5.8 cu. in.
Length: 8 1/16"
Width: 9 5/6"
Weight: .8 lbs.
Distance between end connections: 6"
Inlet/outlet diameter: 3/4" male
Part Number: 25A45-XXX

1" Filter

Flow range: 5-26 GPM
Maximum pressure: 140 psi
Filtering surface area: 48.91 sq. in.
Filtering volume: 26.8 cu. in.
Length: 8 7/8"
Width: 5 1/8"
Weight: 2.4 lbs.
Distance between end connections: 6 7/32"
Inlet/outlet diameter: 1" male
Part Number: 25A47-XXX

2" Super Filter

Flow range: 40-120 GPM
Maximum pressure: 140 psi
Filtering surface area: 148 sq. in.
Filtering volume: 75 cu. in.
Length: 19 13/32"
Width: 5 1/8"
Weight: 13.2 lbs.
Distance between end connections: 7 7/8"
Inlet/outlet diameter: 2" male
Part Number: 25A94-XXXXDS

1" Super Filter

Flow range: 10-35 GPM
Maximum pressure: 140 psi
Filtering surface area: 77.78 sq. in.
Filtering volume: 36.1 cu. in.
Length: 13 13/16"
Width: 5 1/8"
Weight: 3.13 lbs.
Distance between end connections: 6 7/32"
Inlet/outlet diameter: 1" male
Part Number: 25A48-XXX

3" Twin Filter - Flanged

Flow range: 80-175 GPM
Maximum pressure: 140 psi
Filtering surface area: 291 sq. in.
Filtering volume: 150 cu. in.
Length: 11 13/16"
Width: 11 13/16"
Weight: 77.8 sq. in.
Distance between end connections: 12 19/32"
Inlet/outlet diameter: 3" flanged
Part Number: 25A50-XXXF

3" Twin Filter - Grooved

Flow range: 80-175 GPM
Maximum pressure: 140 psi
Filtering surface area: 291 sq. in.
Filtering volume: 150 cu. in.
Length: 11 13/16"
Width: 25.4 lbs.
Distance between end connections: 12 19/32"
Inlet/outlet diameter: 3" grooved
Part Number: 25A50-XXXG

4" Twin Filter

Flow range: 160-450 GPM
Maximum pressure: 140 psi
Filtering surface area: 574 sq. in.
Filtering volume: 108 cu. in.
Length: 47"
Width: 13"
Weight: 52.8 lbs.
Distance between end connections: 17 17/32"
Inlet/outlet diameter: 4" flanged
Part Number: 25A78-XXXF

Substitute XXX with proper mesh size.
### 1 1/2" Filter

- **Flow range:** 10-35 GPM
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 49 sq. in.
- **Filtering volume:** 26.8 cu. in.
- **Length:** 8 2/32" (2.07 mm)
- **Width:** 5 1/16" (12.7 mm)
- **Weight:** 2.9 lbs.
- **Distance between end connections:** 7 7/8" (20.4 mm)
- **Inlet/outlet diameter:** 1 1/2" male
- **Part Number:** 25A15-XXX

### 1 1/2" Super Filter

- **Flow range:** 10-52 GPM
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 77.8 sq. in.
- **Filtering volume:** 36.1 cu. in.
- **Length:** 14 1/16" (357.1 mm)
- **Width:** 5 1/16" (12.7 mm)
- **Weight:** 3.32 lbs.
- **Distance between end connections:** 7 7/8" (20.4 mm)
- **Inlet/outlet diameter:** 1 1/2" male
- **Part Number:** 25A17-XXX

### 3" Angle Filter - Flanged

- **Flow range:** 80-220 GPM
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 287 sq. in.
- **Filtering volume:** 54 cu. in.
- **Length:** 25 7/32" (645.8 mm)
- **Width:** 11 3/16" (283.3 mm)
- **Weight:** 26 lbs.
- **Inlet/outlet diameter:** 3" flanged
- **Part Number:** 25A53-XXXF

### 3" Angle Filter - Grooved

- **Flow range:** 80-220 GPM
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 287 sq. in.
- **Filtering volume:** 54 cu. in.
- **Length:** 25 7/32" (645.8 mm)
- **Width:** 11 3/16" (283.3 mm)
- **Weight:** 26 lbs.
- **Inlet/outlet diameter:** 3" grooved
- **Part Number:** 25A53-XXXG

### 6" Twin Filter

- **Flow range:** 200-600 GPM
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 574 sq. in.
- **Filtering volume:** 108 cu. in.
- **Length:** 47" (1193.8 mm)
- **Width:** 13" (330.2 mm)
- **Weight:** 57.2 lbs.
- **Distance between end connections:** 17 17/32" (444.5 mm)
- **Inlet/outlet diameter:** 6" flanged
- **Part Number:** 25A80-XXXF

### 2" Dual Filter

- **Flow range:** 40-120 GPM
- **Maximum pressure:** 174 psi
- **Filtering surface area:** 148 sq. in.
- **Filtering volume:** 75 cu. in.
- **Length:** 18 5/16" (460.3 mm)
- **Width:** 7 7/8" (200.0 mm)
- **Weight:** 11 lbs.
- **Distance between end connections:** 10 1/4" (259.1 mm)
- **Inlet/outlet diameter:** 2" male
- **Part Number:** 25A30-XXX

### 3" Twin Filter - Flanged

- **Flow range:** 160-450 GP
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 148 sq. in.
- **Filtering volume:** 75 cu. in.
- **Length:** 19 13/16" (502.7 mm)
- **Width:** 3 5/8" (88.9 mm)
- **Weight:** 57.4 lbs.
- **Inlet/outlet diameter:** 2" male
- **Part Number:** 25A75-XXX

### 3" Twin Filter - Grooved

- **Flow range:** 150 GP
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 291 sq. in.
- **Filtering volume:** 115 cu. in.
- **Length:** 12 19/32" (313.7 mm)
- **Width:** 3" groove
- **Weight:** 35.3 lbs.
- **Inlet/outlet diameter:** 2 1/32" (54.6 mm)
- **Part Number:** 25A75-XXXG

### 1" Super Filter

- **Flow range:** 10-52 GP
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 26.8 cu. in.
- **Filtering volume:** 3.13 lbs.
- **Length:** 11 13/16" (293.8 mm)
- **Width:** 1" male
- **Inlet/outlet diameter:** 1" male
- **Part Number:** 25A18-XXX

### 2" Super Filter

- **Flow range:** 10-52 GP
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 26.8 cu. in.
- **Filtering volume:** 3.13 lbs.
- **Length:** 11 13/16" (293.8 mm)
- **Width:** 1" male
- **Inlet/outlet diameter:** 1" male
- **Part Number:** 25A18-XXX

### 3" Angle Filter - Grooved

- **Flow range:** 10-52 GP
- **Maximum pressure:** 140 psi
- **Filtering surface area:** 26.8 cu. in.
- **Filtering volume:** 3.13 lbs.
- **Length:** 11 13/16" (293.8 mm)
- **Width:** 1" male
- **Inlet/outlet diameter:** 1" male
- **Part Number:** 25A18-XXX
**Description of Operation**

As dirty water is pumped into the filter and pressure increases on the outside of the filter element, the water pressure compresses the rings tightly together increasing efficiency. Grooves in the disc rings criss-cross, forming a network that traps both organic and inorganic contaminants from the water source. This design filters the dirty water thoroughly - not only on the outer surface of the cylindrical disc filter element - but through the entire depth of every ring groove. Clean water exits from the inside of the cylinder.

**MANUAL DISC FILTER PARTS**

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>Ring Set with spine</td>
<td>25AP46-XXX</td>
</tr>
<tr>
<td>1&quot; &amp; 1 1/2&quot;</td>
<td>Ring Set with spine</td>
<td>25AP47-XXX</td>
</tr>
<tr>
<td>1&quot; &amp; 1 1/2&quot; Super</td>
<td>Ring Set with spine</td>
<td>25AP1121-XXX</td>
</tr>
<tr>
<td>2&quot; Dual, 2&quot; Super &amp; 3&quot; Twin</td>
<td>Ring Set only</td>
<td>25AP49-XXXS</td>
</tr>
<tr>
<td>2&quot; Dual, 2&quot; Super &amp; 3&quot; Twin</td>
<td>Detachable Spine with rings</td>
<td>25AP49-XXS5S</td>
</tr>
<tr>
<td>3&quot; Angle, 4&quot; Twin &amp; 6&quot; Twin</td>
<td>Ring Set with spine</td>
<td>25AP1341-XXX</td>
</tr>
<tr>
<td>3&quot; Angle, 4&quot; Twin &amp; 6&quot; Twin</td>
<td>Ring Set only</td>
<td>25AP2341-XXX</td>
</tr>
</tbody>
</table>

Substitute XXX with proper mesh size.