

2" & 3" Plastic Disc Filters

Micro-Irrigation

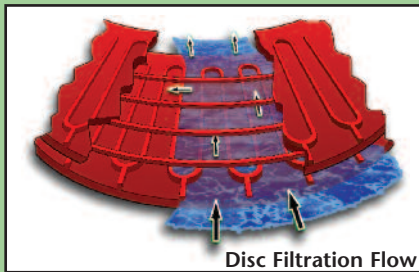


Application:

- Designed for use as a primary or secondary filter
- Can be installed upright or downward
- For use with water containing high amounts of organic or inorganic matter

Features	Benefits
Body constructed of glass reinforced Nylon.	Provides durability/reliability that will extend product life.
Two downstream exit ports.	Filter can be installed in a angle or globe configuration, reducing the need to re-do piping.
Specially designed disc rings. (XD Models)	Provides greater surface area resulting in a longer time between cleanings, less filter maintenance and extended product life.
O-ring between cover and body.	Prevents leakage.
Easy to tighten Ring-Nut.	Saves time and provides a tight seal.
Pre-molded threaded holes for pressure gauges.	Location to install pressure gauges to read up and downstream pressures.

XD Disc Rings



Disc Characteristics:

- The specially designed two-sided disc ring features:
 - On one side, a sinusoidal (~~~~) disc pattern
 - And on the other side, grooves in concentric (⊙) circles
- Both sides working together gives a surface area that is unachievable by any other standard disc ring. This results in longer periods between cleanings, less filter maintenance and prolonged product life.
- Available in 50, 85, 120, 150, and 200 mesh.

SD Disc Rings



Disc Characteristics:

- Narrowing, cross-hatched grooves trap particles and debris between and on the outside of the disc rings:
 - Each side of the standard disc ring has opposite running tapered grooves, thereby creating an interweaving labyrinth among the discs.
- The standard disc rings press together and utilize the cross-hatched groove design, allowing only clean water to flow through.
- Available in 120 and 150 mesh.

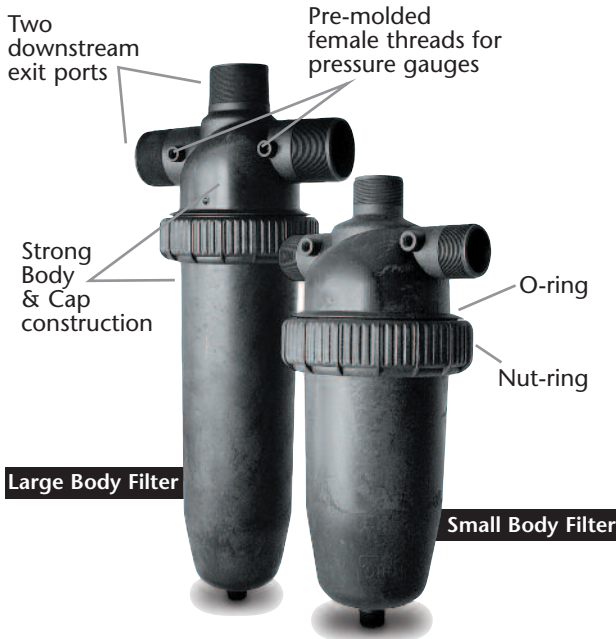
2" & 3" Plastic Disc Filters

Part Numbers & Specifications				
Description	2" Short Body Filter	2" Long Body Filter	3" Short Body Filter	3" Long Body Filter
XD Filter Part Number (NPT Thread)	IT-ABF50xx-3X-N	IT-ABF50xx-3XLN	IT-ABF75xx-3XSN	IT-ABF75xx-3X-N
XD Filter Part Number (BSP Thread)	IT-ABF50xx-3X	N/A	IT-ABF75xx-3XS	IT-ABF75xx-3X
SD Filter Part Number (NPT Thread)	IT-ABF50xx-3SN	IT-ABF50xx-3SLN	IT-ABF75xx-3SSN	IT-ABF75xx-3SN
XD Filtration Area	1,674 in ² (10,800 cm ²)	2,790 in ² (18,000 cm ²)	1,674 in ² (10,800 cm ²)	2,790 in ² (18,000 cm ²)
SD Filtration Area	186 in ² (1,200 cm ²)	310 in ² (2,000 cm ²)	186 in ² (1,200 cm ²)	310 in ² (2,000 cm ²)
Maximum Flow Rate	110 gpm (25 m3/h)	110 gpm (25 m3/h)	170 gpm (32 m3/h)	220 gpm (50 m3/h)
Maximum Pressure	145 psi (10 bars)			
Connection Size	2 in. (50 mm)	2 in. (50 mm)	3 in. (76 mm)	3 in. (76 mm)
Height	18.5 in. (470 mm)	30.9 in. (785 mm)	18.5 in. (470 mm)	30.9 in. (785 mm)
Width	10.8 in. (274 mm)	12.6 in. (320 mm)	10.8 in. (274 mm)	12.6 in. (320 mm)
Weight	14.1 lbs (6.4 kgs)	14.8 lbs (6.7 kgs)	15.0 lbs (6.8 kgs)	18.1 lbs (8.2 kgs)

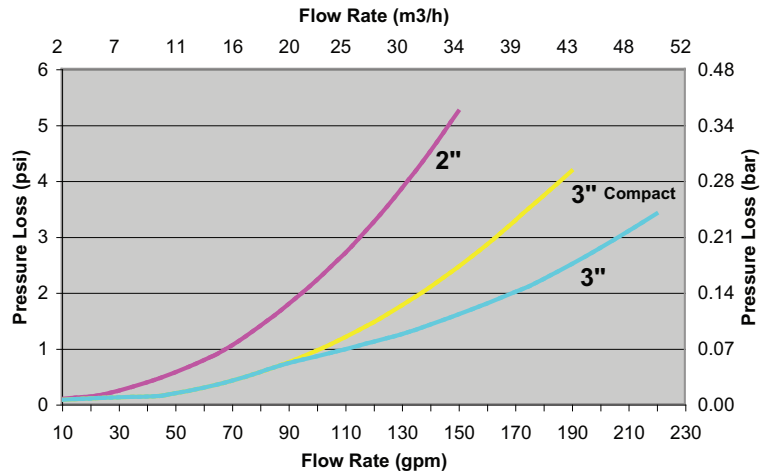
Note: To order, insert required mesh size in place of xx in Part Number: 50 mesh = 50; 85 mesh = 85; 120 mesh = 12; 150 mesh = 15; 200 mesh = 20

Disc Ring Color				
Color	Mesh	Micron	XD	SD
Yellow	50	297	✓	–
Gray	85	170	✓	–
Blue	120	125	✓	✓
Red	150	100	✓	✓
Brown	200	75	✓	–

Filter Body Parts:



Head Loss Chart - XD & SD Filters



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