

MANUAL DISC FILTERS

APPLICATIONS

- Residential
- Commercial
- Municipal
- Institutional

SPECIFICATIONS

- Maximum pressure:
 - ¾", 1", 1 ½": 140 psi
 - 2" Dual Lite: 115 psi
 - 2" Dual HP: 174 psi
- Flow range:
 - ¾" - 1 to 17 GPM
 - 1" - 5 to 26 GPM
 - 1 ½" - 10 to 35 GPM
 - 1 ½" Long - 10 to 52 GPM
 - 2" Dual Lite - 40 to 110 GPM
 - 2" Dual HP - 40 to 120 GPM

MATERIALS

- Filter body and cover: reinforced polyamide
- Disc rings: polypropylene
- O-Rings: EPDM rubber
- Clamps: stainless steel

FEATURES & BENEFITS

DISC FILTER DESIGN

Collects debris along the depth of the discs, not just at the surface like screen filters. Disc helps filtration with calcium build up.

100% THERMOPLASTIC DISCS

Corrosion resistant. Disc screens prevents element collapsing.

REPLACEMENT FILTER RINGS AVAILABLE

Color-coded for easy mesh identification.

EXTRA LARGE FILTRATION CAPACITY

Requires less cleaning.

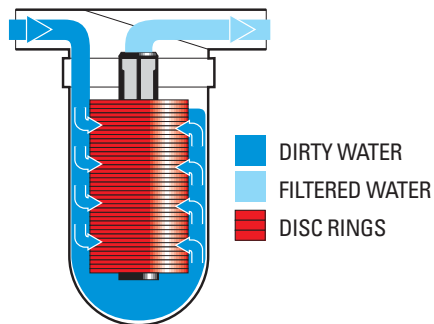


DISC FILTER TECHNOLOGY

Grooves in the disc rings criss-cross to form a network that traps debris between and on the outside of the discs.

HOW IT WORKS

As dirty water is pumped into the filter, and pressure increases, the water compresses the disc rings together tightly. The water is then forced to flow through the grooves of the disc rings, where debris is trapped, releasing only clean water to the irrigation system.



DISC FILTER RINGS



YELLOW

80 MESH
200 MICRON

RED

120 MESH
130 MICRON

BLACK

140 MESH
115 MICRON

GREEN

200 MESH
55 MICRON
(2" ONLY)

DIMENSIONS & WEIGHT

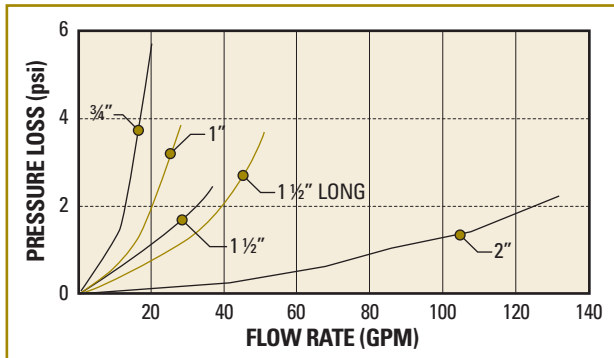
SIZE	LENGTH	WIDTH	WEIGHT (LBS)
3/4"	5 22/32"	7 15/32"	.66
1"	9 11/32"	6 7/32"	2.2
1 1/2"	10 5/8"	7 7/8"	2.4
1 1/2" LONG	14 1/2"	7 7/8"	3.3
2" DUAL LITE	16 5/16"	10 1/4"	6.6
2" DUAL HP	14 3/4"	10 1/4"	11

ORDERING INFORMATION

FILTER SIZE	MESH	DISC FILTER MODEL NUMBER	REPLACEMENT FILTER RINGS MODEL NUMBER
3/4"	40	DF075-040	DFR075040
	80	DF075-080	DFR075080
	120	DF075-120	DFR075120
	140	DF075-140	DFR075140
1"	40	DF100-040	DFR150040*
	80	DF100-080	DFR150080*
	120	DF100-120	DFR150120*
	140	DF100-140	DFR150140*
1 1/2"	40	DF150-040	DFR150040*
	80	DF150-080	DFR150080*
	120	DF150-120	DFR150120*
	140	DF150-140	DFR150140*
1 1/2" LONG	40	DF150S-040	DFR150L040*
	80	DF150S-080	DFR150L080*
	120	DF150S-120	DFR150L120*
	140	DF150S-140	DFR150L140*
2" DUAL LITE	40	DF2DL-040	DFR200040
	80	DF2DL-080	DFR200080
	120	DF2DL-120	DFR200120
	140	DF2DL-140	DFR200140
	200	DF2DL-200	DFR200200
2" DUAL HP	40	DF200-040	DFR200040
	80	DF200-080	DFR200080
	120	DF200-120	DFR200120
	140	DF200-140	DFR200140
	200	DF200-200	DFR200200

* Ring set and filter spine.
140 Mesh: Standard for LVCZ Kit.

FLOW RATE VS. PRESSURE LOSS



FLOW RATE VS. PRESSURE LOSS

FLOW RATE (GPM)	PRESSURE LOSS (psi)					
	3/4"	1"	1 1/2"	1 1/2" LONG	2" DUAL LITE	2" DUAL HP
5	0.60	0.25				
10	2.50	0.60				
13	3.40	1.34				
17	5.87	2.10				
22		3.24	1.10			
26			1.30	1.50		
31			1.70	2.10		
35			2.30	2.50		
44				4.20	0.30	0.30
66					0.63	0.63
88					1.03	1.03
110					1.47	1.47

Losses shown are for filters with 140 mesh.

LEGEND

	River, ditch, lake or reservoir water
	Well water containing sand only
	Municipal supply



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