

Filters Technical Specifications

Applications:

- Water filtration for AG, Turf,
- Domestic and industrial application

Features

- Easy maintenance.
- **Unique:** swivel quick installation.
- Chemical and fertilizer resistant.
- Interchangeable filtration elements:
Disk and Screen elements fit same filter body.

Unique: Swivel Connectors



Disc Filter

Technical Specifications

- Max. Working pressure:
¾-1" – 8 bar (116 psi).
1½-2" -10 bar (140 psi).
- Threads: B.S.P.T or N.P.T.
- Available Sizes: 20-50 mm (¾"-2").
- Flow rates: 3-20 m³/hr. (13-88 gpm).
- Filtration elements:
Disk,
- Filtration range: 40-200 mesh



Screen Filter

All Filters are available in male and swivel connections.

Technical Data

Metric units

Model	20 mm (3/4")	25 mm (1")	40 mm (1 1/2")	50 mm (2")
Flow rate m ³ /h	3	5	15	20
Screen Filter Area Cm ²	96	96	552	670
Disc Filter Area Cm ²	180	180	385	488
Polyester Screen Mesh Range	40-200	40-200		
Stainless Steel Mesh Range	80-200	80-200	80-200	80-200
Disc Mesh Range	80-140	80-140	40-140	40-140
Weight with screen (kg)	0.21	0.205	1.1	1.13
Weight with discs (kg)	0.305	0.3	1.35	1.5

US Units

Model	3/4"	1"	1 1/2"	2"
Flow rate gpm	13	22	66	89
Screen Filter Area inch ²	14.88	14.88	85.56	104
Disc Filter Area inch ²	27.90	27.90	59.68	75.60
Polyester Screen Mesh Range	40-200	40-200		
Stainless Steel Mesh Range	80-200	80-200	80-200	80-200
Disc Mesh Range	80-140	80-140	40-140	40-140
Weight with screen (lb)	0.46	0.45	2.4	2.5
Weight with discs (lb)	0.67	0.66	3	3.3

Element Type and Mesh color code

Mesh/Micron	40/425	80/200	120/120	140/105	155/90	200/70
Polyester Screen						
Stainless Steel Screen						
Discs						

Mesh Count per Square inch.

Microns in approximate values and may vary between element types

Head loss at 120 mesh in meters, 0.1 bar (psi)

Screen Filters

Flow Rate	3/4" (20 mm)	1" (25mm)
m ³ /h (gpm)	meter, 0.1 Bar (psi)	
1 (4.4)	0.05 (0.07)	0.02 (0.03)
2 (8.8)	0.11 (0.16)	0.06 (0.09)
3 (13.2)	0.17 (0.25)	0.10 (0.15)
4 (17.6)	0.30 (0.44)	0.18 (0.26)
5 (22)	0.47 (0.68)	0.30 (0.44)
6 (26.4)	0.70 (1.02)	0.45 (0.65)
Flow Rate (m ³ /h)	1 1/2" (40 mm)	2" (50mm)
m ³ /h (gpm)	meter, 0.1 Bar (psi)	
5 (22)	0.30 (0.44)	
6 (26.4)	0.4 (0.58)	
7 (31)	0.6 (0.87)	0.30 (0.44)
8 (35.2)	0.8 (1.16)	0.35 (0.51)
9 (40)	0.95 (1.38)	0.5 (0.73)
10 (44)	1.2 (1.74)	0.65 (0.94)
12 (53)	1.4 (2.0)	0.8 (1.16)
14 (61.6)	1.7 (2.47)	1(1.45)
16 (70.4)	2.2 (3.19)	1.3 (1.89)
18 (79.2)	2.8 (4.06)	1.6 (2.32)
20 (88)	3.5 (5.08)	2 (2.90)

Head loss at 120 mesh in meters, 0.1 bar (psi)

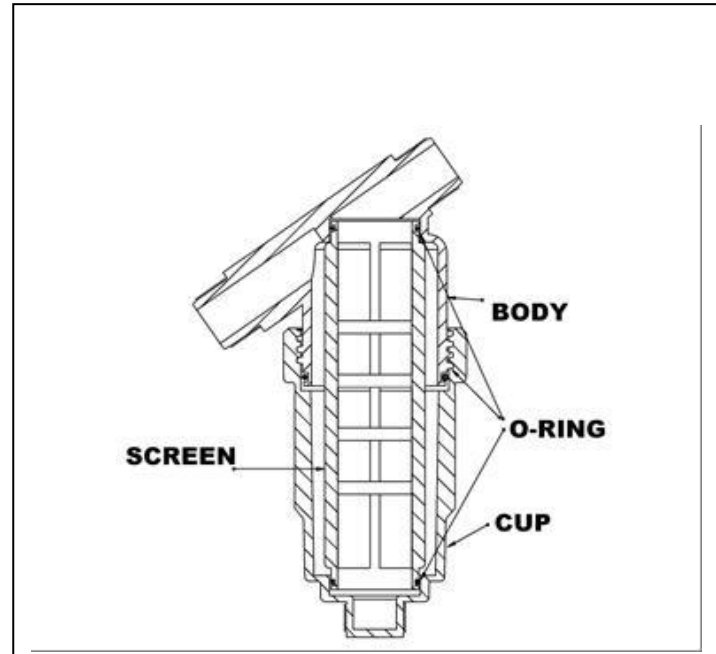
Disc Filters

Flow Rate	3/4" (20 mm)	1" (25mm)
m ³ /h (gpm)	meter, 0.1 Bar (psi)	
1 (4.4)	0.07 (0.10)	
2 (8.8)	0.2 (0.29)	0.1 (0.15)
3 (13.2)	0.4 (0.58)	0.2 (0.29)
4 (17.6)	0.64 (0.93)	0.3 (0.44)
5 (22)	1.0 (1.45)	0.5 (0.73)
6 (26.4)		0.82 (1.19)
Flow Rate	1 1/2" (40 mm)	2" (50mm)
m ³ /h (gpm)	meter, 0.1 Bar (psi)	
2 (8.8)	0.1 (0.15)	
3 (13.2)	0.2 (0.29)	0.1 (0.15)
4 (17.6)	0.35 (0.51)	0.24 (0.350)
5 (22)	0.45 (0.65)	0.38 (0.550)
6 (26.4)	0.8 (1.16)	0.5 (0.73)
7 (31)	1.1 (1.60)	0.7 (1.0)
8 (35.2)	1.5 (2.18)	0.95 (1.38)
9 (40)	1.9 (2.76)	1.25 (1.81)
10 (44)	2.2 (3.19)	1.55 (2.25)
12 (53)	2.9 (4.21)	2 (2.90)
14 (61.6)	3.7 (5.37)	2.4 (3.48)
16 (70.4)	4.5 (6.53)	3 (4.25)
18 (79.2)	6.6 (9.57)	4.3 (6.24)
20 (88)	9 (13.0)	7 (10.15)

Materials

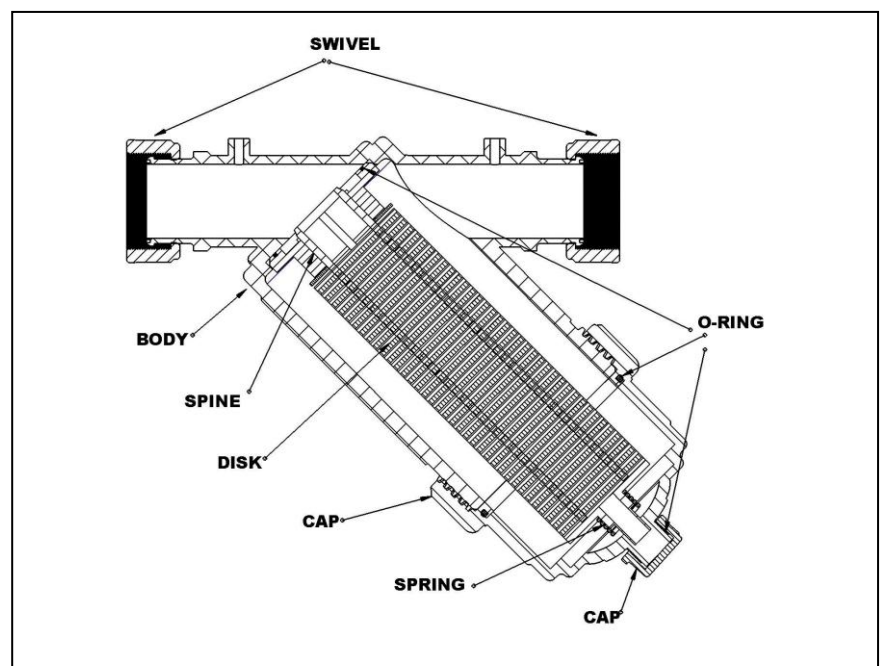
Screen Filters

- Body: P.P.
- Screen: Stainless steel or Polyester.
- O-Rings: EPDM.



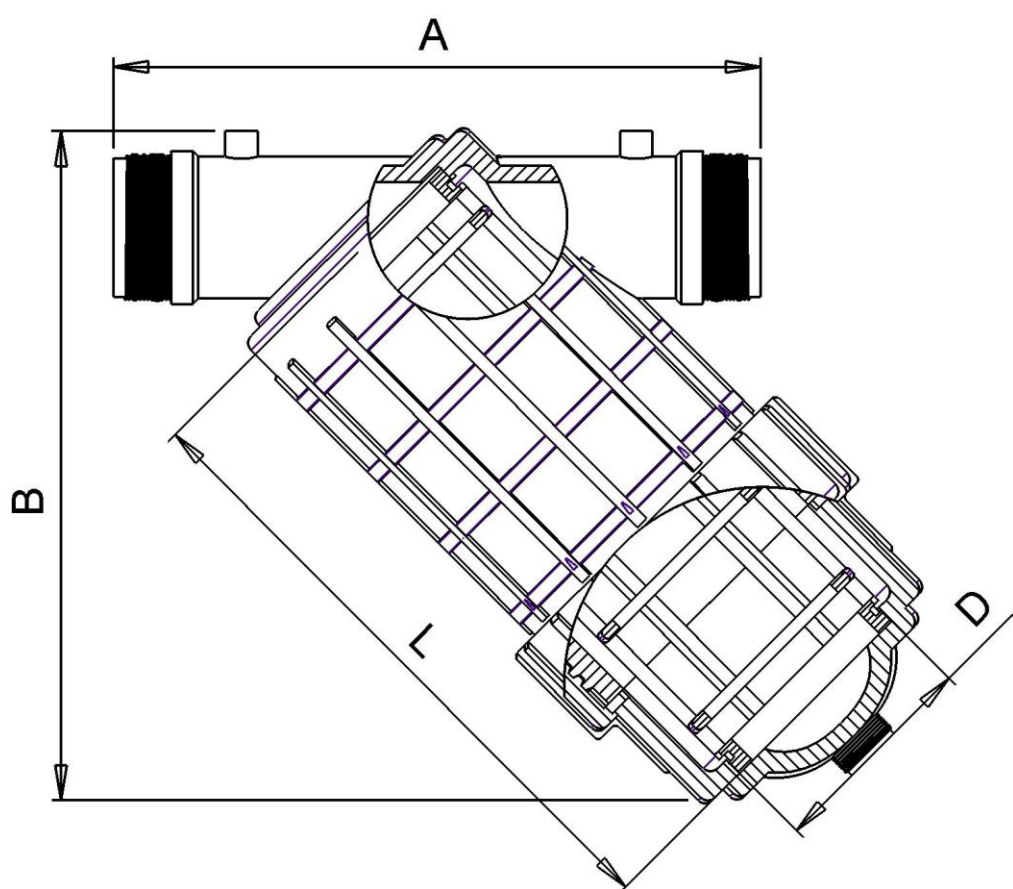
Disc Filters

- Body: P.P.
- Spin: P.P.
- Cup: P.P.
- Disk: P.P.
- Sleeve: P.P.
- Spring: Stainless Steel.
- O-Rings: EPDM.



Physical Dimensions

Physical dimensions								
	A		B		L		D	
Model	mm	inch	mm	inch	mm	inch	mm	inch
3/4"-1" (20-25 mm)	121	4.76	160	6.30	153	6.00	31	1.22
1 1/2" (40 mm)	257	10.10	240	9.45	220	8.70	80	3.15
2" (50 mm)	257	10.10	270	10.60	265	10.40	80	3.15



On Line Filter Connections

On Line Filter Female/Barb Adaptor



M/F Swivel Filter Connector

