

Compact Filters 1½" - 2"

TAVLIT expands its filters line with two new filter sizes which combine high quality filtration and a compact body.

The filters are offered in 1½" and 2" size and with male threads or swivel connections.

Applications:

- Water filtration for AG, Turf.
- Applicable when medium - low flow rates are used.
- Domestic and industrial application.

Features:

- Easy maintenance.
- Unique: swivel quick installation.
- Filters are supplied with drain cap and two pressure testing ports.
- Filters can be supplied with drain valve.
- Chemical and fertilizer resistant.
- Interchangeable filtration elements:
- Disk and Screen elements fit same filter body.
- A special handle for easy opening and closing the filters can be supplied.



Technical Specifications

- Max. Working pressure:
1 ½-2" - 10 bar (140 psi).
- Threads: B.S.P.T or N.P.T.
- Available Sizes: 40 - 50 mm (1½"-2").
- Flow rates: 15-20 m³/h (66 - 88 gpm).
- Filtration elements:
Screen, Discs.
- Filtration range: 40 - 200 mesh.



Unique: Swivel Connectors

Technical Data

	Metric Units		US Units	
Model	40 mm (1½")	50 mm (2")	1½"	2"
Flow rate	15 (m³/h)	20 (m³/hr)	66 (gpm)	89 (gpm)
Screen Filter Area	420 (cm²)	420 (cm²)	65 (inch²)	65 (inch²)
Disc Filter Area	290 (cm²)	290 (cm²)	45 (inch²)	45 (inch²)
Stainless Steel Mesh Range	80 - 200	80 - 200	80 - 200	80 - 200
Disc Mesh Range	40 - 140	40 - 140	40 - 140	40 - 140
Weight with screen	0.85 (kg)	1.00 (kg)	1.90 (lb)	2.20 (lb)
Weight with discs	1.10 (kg)	1.25 (kg)	2.40 (lb)	2.80 (lb)

Element Type and Mesh color code

Mesh/Micron	40/425	80/200	120/120	140/105	155/90	200/70
Stainless Steel screen		Light blue	Brown		Green	Purple
Discs	Light blue	Yellow	Red	Black		

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 (m³/h)	1½" (40mm)	2" (50 mm)
m³/h (gpm)	Meter, 0.1 Bar (psi)	
5 (22)	0	0
8 (35)	0.4 (0.6)	0.1 (0.14)
12 (53)	1.3 (1.9)	0.3 (0.40)
15 (66)	2.4 (3.5)	0.8 (1.20)
18 (79)	2.5 (3.6)	1.0 (1.40)
20 (88)	4.5 (6.5)	1.3 (1.90)
25 (110)		1.9 (2.70)
28 (123)		3.3 (4.80)

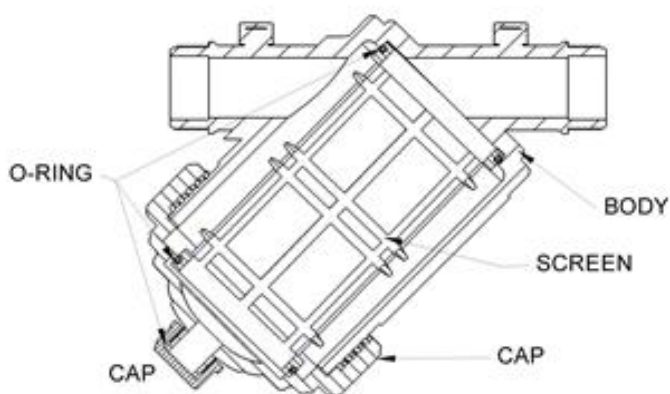
Disc Filters:

Flow rate (m ³ /h)		1½" (40 mm)	2" (50 mm)
m ³ /h	(gpm)	Meter, 0.1 Bar (psi)	
5	(22)	0	0
8	(35)	0.6 (0.9)	0.2 (0.3)
12	(53)	2.3 (3.3)	1.5 (2.2)
15	(66)	4.0 (5.8)	2.5 (3.6)
18	(79)	6.0 (8.7)	4.0 (5.8)
20	(88)	7.5 (11.0)	5.0 (7.2)
25	(110)		7.4 (11.0)
28	(123)		9.0 (13.0)

Materials

Screen Filter:

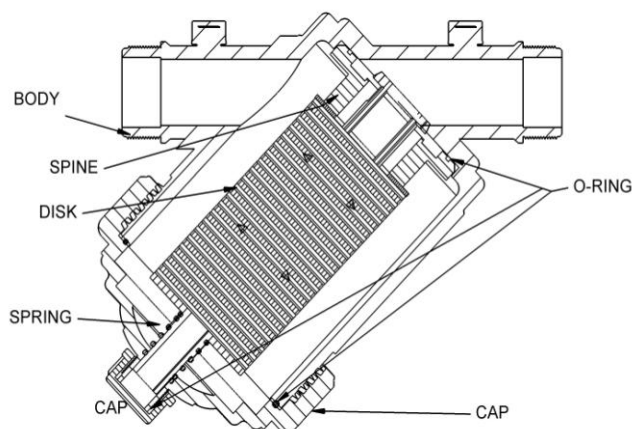
- Body: P.P.
- Screen: Stainless steel 316.
- O-Rings: EPDM.



Screen Filter 1½" - 2"

Disc Filters:

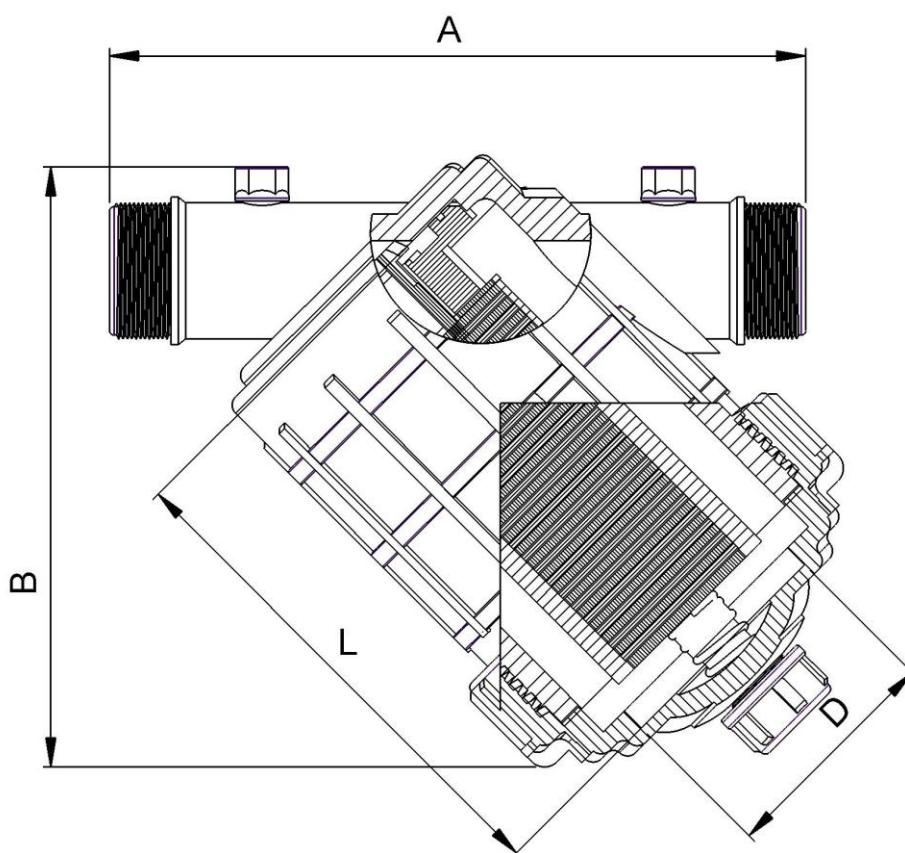
- Body: P.P.
- Spin: P.P.
- Cup: P.P.
- Disk: P.P.
- Sleeve: P.P.
- Spring: Stainless Steel 316.
- O-Rings: EPDM.



Disc Filters 1½" - 2"

Physical Dimensions

Physical Dimensions	A		B		L		D	
Model	mm	inch	mm	inch	mm	inch	mm	inch
1½" (40 mm)	257	10.10	220	8.70	170	6.70	80	3.15
2" (50 mm)	257	10.10	220	8.70	170	6.70	80	3.15



Screen Filter 1½" - 2"