

1" Short Filter

Catalog No. 012001-****

Features

- A "T" shaped filter with two 1" male threads.
- A "T" volume filter for in-line installation on 1" pipelines.
- The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- · Manufactured entirely from fiber-reinforced plastic.
- A cylindrical column of grooved discs constitutes the filter element.
- · Spring keeps the discs compressed.
- · Screw-on filter cover.
- Filter discs available in various filtration grades.



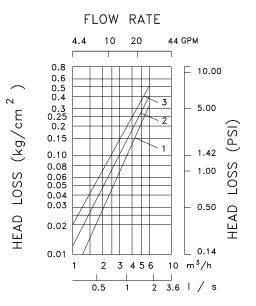
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Inlet/Outlet diameter	1" BSPT (male)	1" NPT (male)
	25 mm – nominal diameter	
	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 bar	145 psi
Maximum flow rate	6 m ³ /h (1.7 l/sec)	26 gpm
Total filtration area	316 cm ²	49 in ²
Total filtration volume	379 cm ³	23 in ³
Filter length L	233 mm	9 3/16"
Filter width H	130 mm	5 3/32"
Distance between connections W	158 mm	6 7/32"
Weight	1.1 Kg	2.4 lbs
Maximum temperature	70° C	158º F
рН	5-11	5-11



Blue (400 micron / 40 mesh)
Yellow (200 micron / 80 mesh)
Red (130 micron / 120 mesh)
Black (100 micron /140 mesh)

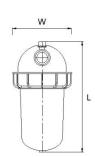
Green (55 micron)

Headloss Chart





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Installation

- 1. Filter may be installed either vertically or horizontally.
- 2. Use Teflon tape on filter end connections.
- 3. Never use spanners for tightening the filter cover.

Maintenance

If the filter discs are covered with lime deposits then remove the element and treat with chloric acid.

Dismantling

- 1. Turn off the water.
- 2. Make sure that the pressure is released from the filter.
- 3. Unscrew the nut cover from the filter body.
- 4. Pull out the filter element.
- 5. Move the stop ring to the end of the spine.
- 6. Flush the discs with the water jet.

1' COUPLING 1' SUPER ARKAL FILTER 1' UNION 1' MANUAL VALVE 1'*3/4'1' Tee 1' ELBOW 1' PIPE 180[7 3/32"] 130[5 1/8"]

Assembly

- 1. Verify that the tightening spring is placed in the bottom of the filter cover.
- 2. Assemble in reverse order.
- 3. Tighten the cover by turning the fixing nut clockwise and don't over tighten.

Part List - 1" Short Filter

No.	Cat. No.	Description	Materials
1.	710101-000148	Gauge ports nut	R.PP
2.	770104-000045	Gauge ports seal	EPDM
3.	710101-000854	Filter adaptor ring	R.PP
4.	710101-000131	Stop ring for element	PBT
5.	700101-****	Disc set	PP / PE
6.	710101-000068	Spine	R.PP
7.	770101-000012	90x4 O-ring	N.R
8.	760107-000003	Filter spring	S.S.
9.	710101-000843	Filter cover	R.PA
10.	730104-000006	1/4" ball valve	BRASS
11.	710101-000849	Fixing nut	R.PA
12.	700101-****	Filter element	
13.	710101-000853	1" - 1½" Filter wrench	R.PA
14.	700190-000070	Filter body complex BSP	
	700190-000071	Filter body complex NPT	

Materials

PBT - Polyester

S.S. - Stainless steel

PP – Polypropylene

PE - Polyethylene

N.R. - Nitrile rubber

R.PP - Reinforced polypropylene

