

Arkal 1" Super Filter

Catalog No. 012002-*****

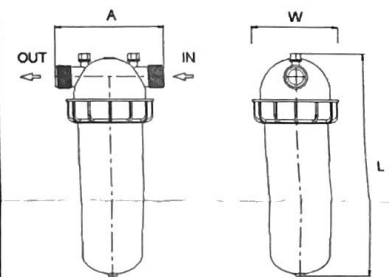
Features

- ◆ 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 are available in various filtration grades.



Technical Data

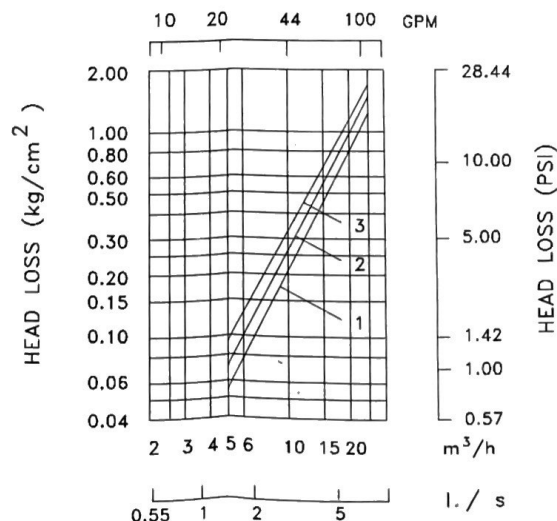
Inlet/outlet diameter	1" BSPT (male)	1" NPT (male)
	25.0 mm – nominal diameter	
	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m ³ /h (1.7 l/sec)	35 gpm
General filtration area	500 cm ²	77.5 in ²
Filtration volume	600 cm ³	37 in ³
Filter length L	340 mm	13 13/32"
Filter width W	130 mm	5 3/32"
Distance between end connections A	158 mm	6 7/32"
Weight	1.420 kg	3.13 lbs.
Maximum temperature	70° C	158 °F
pH	5-11	5-11



Filtration Grades

- 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



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 cover from the filter body.
4. Pull out the filter element.
5. Move the sealing ring to the end of the spine.
6. Flush the discs with the water jet.

Assembly

1. Verify that the tightening spring is placed at 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

No.	Cat. No.	Description	Materials
1	710101-000148	Gauge port nut (single unit)	RPP
2	770104-000045	Gauge port seal (single unit)	EPDM
3	710101-000845	Filter body (BSP)	RPA
	710101-000848	Filter body (NPT)	RPA
4	710101-000854	Filter adaptor ring	RPA
5	710101-000131	Element retaining ring	PBT
6	700101-*****	Disc set	PP / PE
7	710101-000069	Spine	RPA
8	770101-000012	O-ring 90x4	NR
9	760107-000005	Compression spring	SS
10	710101-000048	Filter cover	RPA
11	710101-000849	Fixing nut	RPA
12	730104-000006	1/4" ball valve	BRASS
13	700101-*****	Filter element	PP / PE
14	710101-000853	1"-1 1/2" Filter wrench	RPA
15	700190-000070	Filter body complex BSP	
	700190-000071	Filter body complex NPT	

Materials:

R.P.P. - Reinforced Polypropylene
 R.P.A. - Reinforced Polyamide
 S.S. - Stainless Steel
 PP - Polypropylene
 PE - Polyethylene
 N.R. - Nitrile Rubber
 P.C. - Polycarbonat

