

# Arkalg 3/4" Filter

Catalog No. 1070 0 \_ \_ \_

## Features

- "All plastic", with two 3/4" male connections.
- The filter element consists of grooved discs, mounted on a spine, forming a cylindrical filter element. The discs are compressed together by a spring located at the bottom of the filter cover.
- Screw-on filter cover.
- Filter discs available in various filtration grades.
- Resistant to chemicals and liquid fertilizers.



## Technical Data

Inlet/Outlet diameter	3/4" BSPT (male) 20 mm - nominal diameter 26.7 mm - pipe diameter (O. D.)	3/4" BSPT (male)
Maximum pressure	10 bar	145 psi
Maximum flow rate	4 m <sup>3</sup> /h (1.1 l/sec)	18 gpm
Total filtration area	160 cm <sup>2</sup>	24 <sup>13</sup> / <sub>16</sub> in <sup>2</sup>
Total filtration volume	95 cm <sup>3</sup>	5 <sup>13</sup> / <sub>16</sub> in <sup>3</sup>
Filter length L	144 mm	5 11/16"
Filter width W	74 mm	2 29/32"
Distance between connections A	150 mm	5 29/32"
Weight	0.37 Kg	0.8 lbs
Maximum temperature	60 C	140 F
pH	3-12	3-12

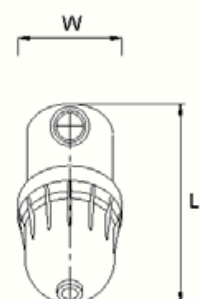
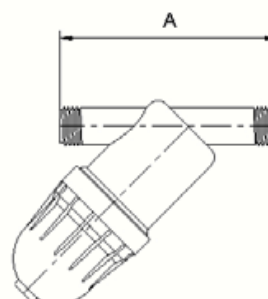
## Filtration Grades

**Blue** 400 micron / 40 mesh

**Yellow** 200 micron / 80 mesh

**Red** 130 micron / 120 mesh

**Black** 100 micron / 140 mesh



### Installation

1. Use Teflon tape on filter threads.
2. Ensure correct inlet/outlet direction.
3. When connecting filter to pipe do not over tighten.

### Dismantling

1. Make certain that no pressure remains in pipeline
2. Unscrew cover at bottom of filter.
3. Pull out entire filter element.
4. Move tightening ring to end of spine and flush discs with pressurized water

### Assembly

1. Verify that spring is in place inside the filter cover.
2. Assemble in reverse order.
3. Tighten filter cover securely. Do not over tighten.

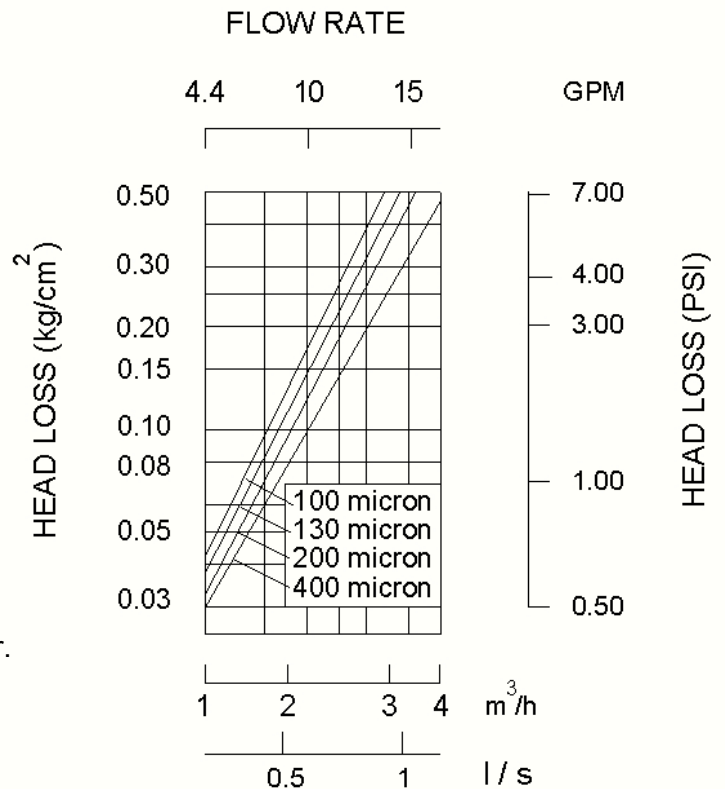
### Winterization

Drain all the water from filter to avoid cracking due to freezing.

### Part List - 3/4" Filter, Catalog No. 1070 0\_\_ \_

No.	Cat. No.	Description	Materials
-----	----------	-------------	-----------

1	2500 0070	Filter body	PBT
	5002 5436	Cover o-ring	NR
2	5001 5436	Cover o-ring	VITON
3	2507 0070	Stopper ring	PP
4	2507 0071	Spine tightening ring	PP
5	2502 0070	Filter spine	PP
6	2007 1__ _	Disc set	PP
7	5044 0008	Compression spring	SS
8	2501 0070	Filter cover	PBT
9	2107 1__ _	Filter element	PP



### Materials:

PBT - Polyester PP - Polypropylene NR - Nitrile rubber SS - Stainless steel