

# Arkal 3/4" Filter

Catalog No. 012000-\*\*\*\*\*

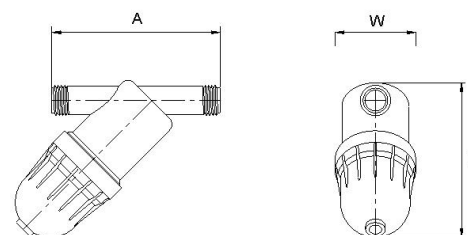
## Features

- "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

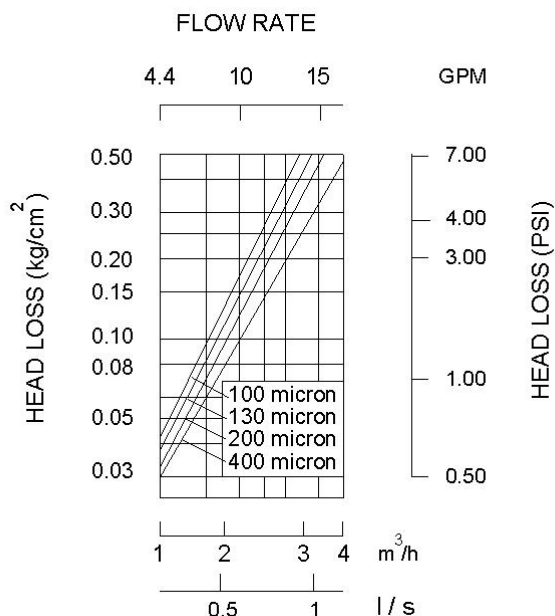
Inlet/Outlet diameter	3/4" BSPT (male)	3/4" BSPT (male)
	20 mm - nominal diameter	
	26.7 mm - pipe diameter (O. D.)	
Maximum pressure	10 bar	145 psi
Maximum flow rate	4 m <sup>3</sup> /h (1.1 l/sec)	18 gpm
Total filtration area	160 cm <sup>2</sup>	24 13/16 in <sup>2</sup>
Total filtration volume	95 cm <sup>3</sup>	5 13/16 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)

## Headloss Chart



## 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

No.	Cat. No.	Description	Materials
1	710101-000844	Filter body	PBT
2	770101-000009	Cover o-ring	NR
	770101-000003	Cover o-ring	VITON
3	710101-000129	Stopper ring	PP
4	710101-000846	Spine tightening ring	PP
5	710101-000851	Filter spine	PP
6	700101-*****	Disc set	PP
7	760107-000001	Compression spring	SS
8	710103-001317	Filter cover	PBT
9	700101-*****	Filter element	PP

## Materials:

PBT - Polyester

SS - Stainless steel

PP - Polypropylene

NR - Nitrile rubber

