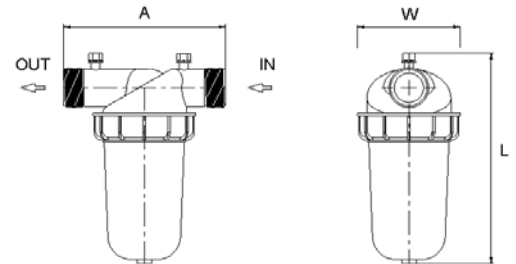


# Arkal 1½” Short Filter

Catalog No. 1150 0\_ \_ \_

## Features

- A “T” shaped filter with two 1½” male threads.
- A “T” volume filter for in-line installation on 1½” 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.
- A sealing spring keeps the discs compressed.
- Screw-on filter cover.
- Filter discs are available in various filtration grades.



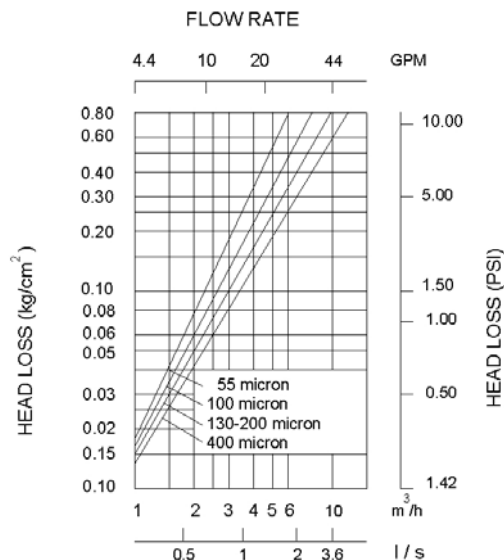
## Technical Data

Inlet/outlet diameter	1½” BSPT (male)	1½” NPT (male)
	40 mm – nominal diameter	
	48.2 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m <sup>3</sup> /h (2.22 l/sec)	36 gpm
General filtration area	316 cm <sup>2</sup>	49 in <sup>2</sup>
Filtration volume	379 cm <sup>3</sup>	23 in <sup>3</sup>
Filter length L	250 mm	9 27/32”
Filter width W	130 mm	5 3/32”
Distance between end connections A	200 mm	7 7/8”
Weight	1.3 kg	2.9 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)

## Head Loss 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	2511 0103	GAUGE PORT NUT (SINGLE UNIT)	R.P.P.
2	5006 0004	GAUGE PORT SEAL (SINGLE UNIT)	EPDM
3	2500 0150	FILTER BODY (BSP)	R.P.A.
	2500 0151	FILTER BODY (NPT)	R.P.A.
4	2507 0100	FILTER ADAPTOR RING	R.P.A.
5	2507 0102	ELEMENT RETAINING RING	PBT
6	2010 1_ _ _	DISC SET	P.P.
7	2502 0100	SPINE	R.P.A.
8	5002 9004	90x4 O-RING	N.R.
9	5044 0010	COMPRESSION SPRING	S.S.
10	2501 0100	FILTER COVER	R.P.A.
	2501 9110	TRANSPARENT COVER	P.C.
11	2506 0100	FIXING NUT	R.P.A.
12	5054 0008	1/4" TAP (*)	BRASS
13	2110 1_ _ _	FILTER ELEMENT	P.P.
14	2530 0115	1" FILTER WRENCH	R.P.A.
15	2208 0003	FILTER BODY COMPLEX BSP	
	2208 0004	FILTER BODY COMPLEX NPT	

(\*) - OPTIONAL

### Materials

R.P.P. – REINFORCED POLYPROPYLENE  
 R.P.A. – REINFORCED POLYAMIDE  
 S.S. – STAINLESS STEEL  
 P.P. – POLYPROPYLENE  
 N.R. – NITRILE RUBBER  
 P.C. - POLYCARBONAT

