

# Arkal 4" Super Leader Filter

Catalog No. 1440 5\_ \_ \_



## Features

- High corrosion resistance
- High flow capacity
- Pressure differential disc compression
- Large filtration area
- Detachable spine
- Robust design
- Drain valve
- Available in seven filtration grades

## Dismantling

1. Make sure that the water inlet is turned off and pressure is released.
2. Drain the filter through the drainage valve.
3. Open the cover by pulling the safety pin out and lifting the clamp lever.
4. Remove the filter cover with a slight anticlockwise rotation.
5. Remove the filter element.
6. Release the spine-tightening nut.
7. Pull the cap's telescopic extension to decompress the discs.
8. Rinse using a high-pressure water jet.

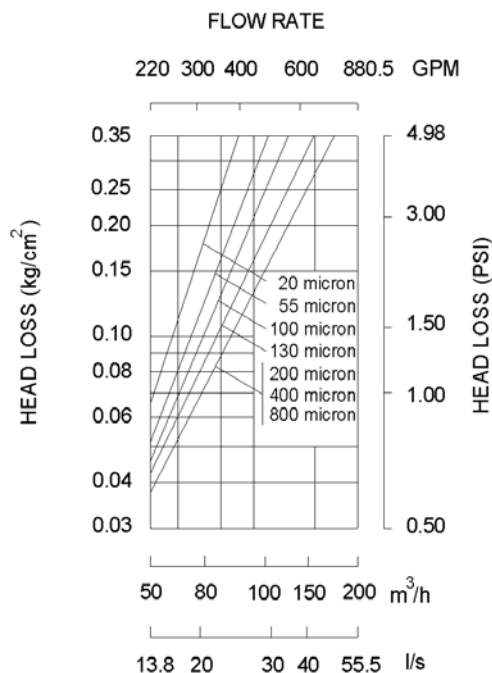
## Assembly

1. Close the spine tightening nut until the discs are tightly compressed.
2. Position the filter element back in place.
3. Place the filter cover on the filter body and secure it with a slight clockwise rotation.
4. Secure the clamp onto the cover and close using the lever, insert the safety pin.

## Filtration Grades

- Off-white (800 micron / 18 mesh)
- Blue (400 micron / 40 mesh)
- Yellow (200 micron / 80 mesh)
- Red (130 micron / 120 mesh)
- Black (100 micron / 140 mesh)
- Green (55 micron)
- Grey (20 micron)

## Head Loss Chart



## Comments

1. Flange: Bolt length – recommended 5/8" 100-110mm. Use standard washers.
2. 3/4" drain valve to be assembled by the user. The valve is sealed by an o-ring. No need for additional sealing materials.

### Technical Data

Inlet/Outlet diameter	110 mm	4"
Max. pressure	10 bar	145 psi
Max. flow rate 400-100 micron	100 m <sup>3</sup> /h	440 gpm
Filtration area	3704 cm <sup>2</sup>	574 in <sup>2</sup>
Filtration volume	3548 cm <sup>3</sup>	216 in <sup>3</sup>
Filter length	1190 mm	47"
Filter width	330 mm	13"
Distance between connections *	445 mm	17.5"
Weight	FL. 24 Kg	52.8 lbs
	VIC. 22 Kg	48.4 lbs
Maximum temperature	60° C	140° F
pH	2-13 (at 20°C)	2-13 (at 68°F)

\* Optional – 415 mm / 16.3" for old version **Grooved ends**

### Part List

No.	Cat. No.	Description	Materials
1.	2501 0601	Filter cover	PP
2.	5005 0004	Hydraulic seal	EPDM
3.	5042 0060	Clamp	SS
4.	2506 0302	3"-4" spine tightening nut	RPP
5.	2506 0304	3"-4" spine cap	RPP
6.	2033 2_ _ _	Disc set	PP
7.	5003 2220	O-ring 2-220	EPDM
8.	2502 0302	3"-4" spine 99	RPP
9.	5003 2311	O-ring 2-311	EPDM
10.	5054 0112	3/4" tap	BRASS
11.	5006 0004	Gauge port seal	EPDM
12.	2511 0103	Gauge port nut	RPP
13.	2510 0425	4" AK flange	RPA
14.	2507 0402	Flange clamp ring	POM
15.	5005 2014	Gasket 4" style 90	EPDM
16.	2140 2_ _ _	3"-4" filter element 99	
	2199 0043	3"-4" spine 99 (w/o disc set)	
17.	2245 0001	4" body complex <b>Grooved ends</b>	
18.	2245 0002	4" short body complex <b>Grooved ends</b>	

### Materials:

- RPP - Reinforced polypropylene
- PP - Polypropylene
- RPA - Polyamide
- POM - Polyacetal
- SS - Stainless Steel

