

Arkal 2" Super Filter with a detachable spine

Catalog No. 1212 0 _ _ _

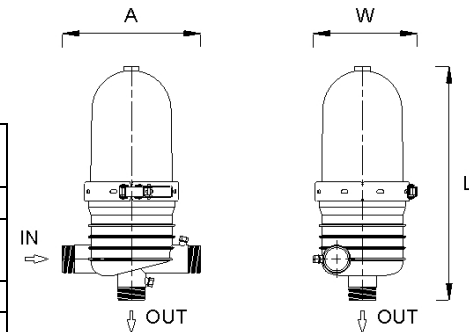


Features

- A right angle filter with three 2" male end connections.
- Two main options:
 1. Right angle – normal use.
 2. Tangential inlet right angle for automatic backwashing.
- Non-corrosive.
- Robust design.
- Optional: bottom drain valve.
- Clamp on filter cover.
- High volume filter with an increased flow capacity (25 m³/h or 110 gpm).
- Pressure testing ports at filter's inlet and outlet.
- Available in various filtration grades.

Technical Data

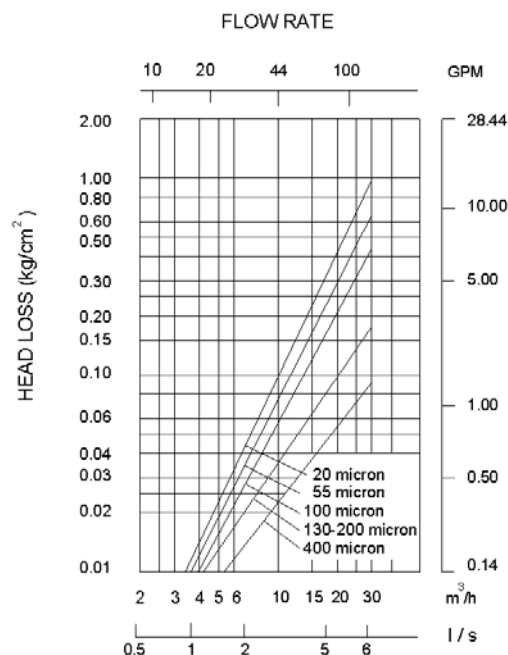
Inlet/outlet diameter	2" BSPT / NPT (male)	2" BSPT / NPT(male)
	50.0 mm – nominal diameter	
Maximum pressure	10 atm	145 psi
Flow rate:	25 m ³ /h	110 gpm
40-140 mesh (400-100 micron)		
55 micron	16 m ³ /h	70 gpm
20 micron	8 m ³ /h	35 gpm
General filtration area	950 cm ²	148 in ²
Filtration volume	1225 cm ³	87 in ³
Filter length L	495 mm	19 1/2"
Filter width W	200 mm	7 7/8"
Distance between end connections A	290 mm	11 13/32"
Outer diameter of filter element	115 mm	4 17/34"
Length of filter element	264 mm	10 13/32"
Weight	6 kg.	13.2 pounds
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)
- Grey (20 micron)

Head Loss Chart



Dismantling

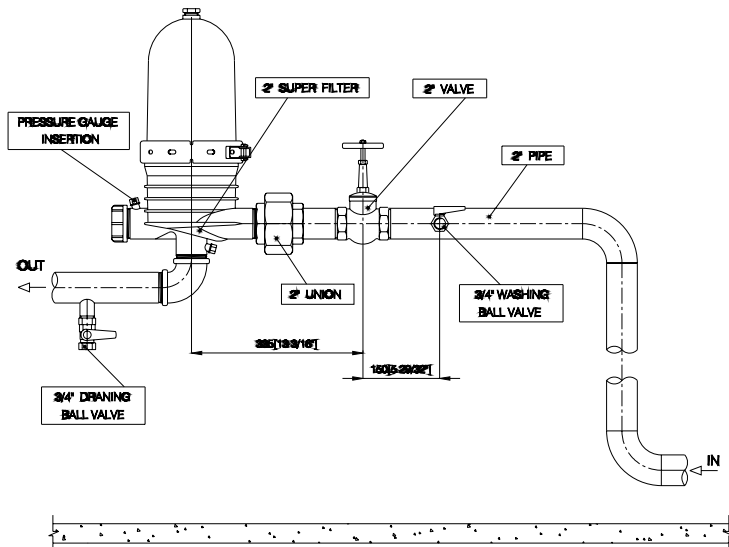
1. Turn off water pressure.
2. If drain valve is at the bottom of the filter, open to drain.
3. Open clamp and remove filter cover from filter body.
4. Release the tightening nut slightly.
5. Pull the detachable spine out.
6. Unscrew the tightening nut.
7. Pull out the spine extension.
8. The filter is ready for flushing.
9. If the filter discs require acid treatment: separate the element from the spine by loosening the end bolt of the inner cross.

Standard Configuration for the 2" Arkal Filter

1. Mount filter horizontally for normal filtration purposes.
2. Mount filter vertically when bleeding is practiced.
3. Add drain valve.
4. Two inlets are available:
 - a. Right angle inlet.
 - b. Tangential inlet.
5. Backwashing configuration: At least 2 filters are required to backwash.
6. Use Teflon tape for filter threads

Assembly

1. Place the discs into position on the disc spine.
2. Turn fixing nut clockwise to tighten discs.
3. Reinsert the detachable spine into its' seat.
4. Again, turn tightening nut clockwise to complete disc tightening.
5. Place filter cover on body.
6. Secure the clamp onto the cover and close using the lever.



Part List

No.	Cat. No.	Description	Materials
1	2511 0200	2" Cap	RPA
2	5006 0004	Gauge port seal	EPDM
3	2511 0103	Gauge port nut	RPP
4	5003 2146	O-ring 2-146	EPDM
5	2503 0210	Spine base	RPP
6	5040 1027	Fastening bolts (per screw)	SS
7	5003 2234	O-ring 2-234	EPDM
8	2502 0212	Spine	RPP
9	2021 1_ _ _	Disc set	PP
10	2502 0214	Spine extension	PP
11	2506 0211	Fixing nut	RPP
12	5040 1010	Fastening screw	SS
13	5042 0030	Clamp	SS
14	5005 0002	Cover seal	EPDM
15	2501 0220	Filter cover with stopper	RPA
	2202 0022	Filter cover with stopper 1/2" threaded	RPA
	2501 9220	Transparent cover with stopper	PC
16	5054 0212	1/2" x 1/4" Tap (*)	BRASS
17	2121 1_ _ _	Filter element	
18	2222 0002	Filter body complex	

(*) Optional

Materials

RPP - REINFORCED POLYPROPYLENE
 RPA - REINFORCED POLYAMIDE
 PP - POLYPROPYLENE
 SS - STAINLESS STEEL
 PC - POLYCARBONATE

