

ASA Series Metal sand filter

Features

- The double chamber construction allows a backflush with clean water without interrupting normal operation of the filter
- Automatic or manual backflush
- The inspection caps give access to individual chamber
- To filter the following water sources: canals, rivers, lakes, open cisterns, well with a heavy sludge load



Specifications

- 2" and 3" model: female thread
- 4" Model: flanged coupling
- Max working pressure:
 - 2" and 3" model: 10 bar
 - 4" model: 8 bar
- Flow rate: 35,0-69,0 m³/h
- Epoxy coated steel (ECS) or galvanized steel (GALV) coating
- Siliceous sand from 0,7 to 1,2 mm (1 bag = 25 Kg)

*The filters cannot be purchased without sand

Guideline to sand filter sizing

Level of sludge	Concentration	Design flow rate (m ³ /h/m ²)	Design flow rate (l/min/m ²)
Light	0 - 10 ppm	60 - 70	1000 - 1170
Medium	10 - 100 ppm	50 - 60	830 - 1000
Elevated	100 - 400 ppm	40 - 50	660 - 830



Performance

Model	Flow Rate ¹ (m ³ /h)	Flow area (m ²)	Max working pressure (bar)	Backflush time			Weight ² (Kg)	Sand capacity (Kg)
				Flow rate (m ³ /h)	Min (min)	Max (min)		
ASA 2"	35	0,49	10	11	1	5	92	150
ASA 3"	44	0,60	10	13	1	5	100	200
ASA 4"	69	0,96	8	21	1	5	250	400

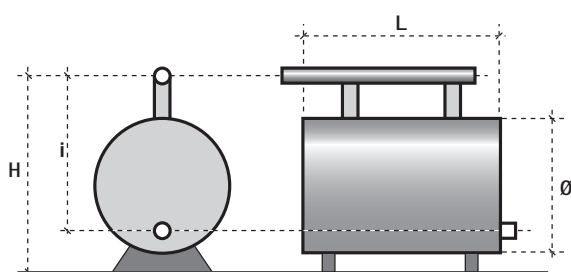
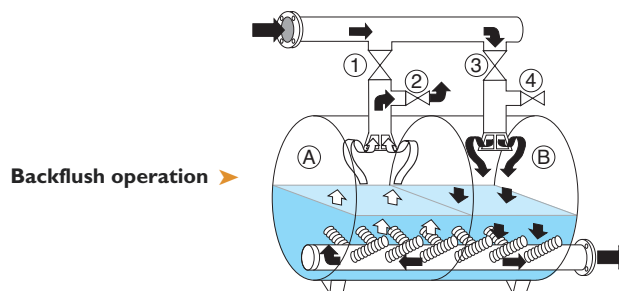
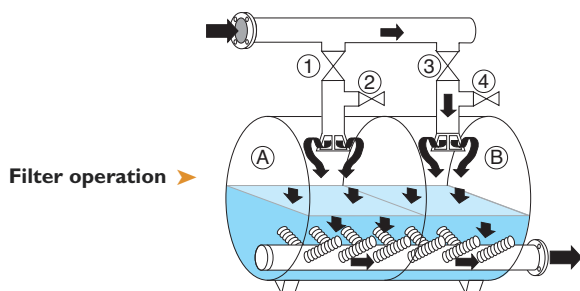
¹ASA sand filters are designed for flows of around 1200 litres/minute

²The filters weight is approximate

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Sand filter double chamber

Operation	Position 1	Position 2	Position 3	Position 4
Filtering	○	●	○	●
Backflush A	●	○	○	●
Backflush B	○	●	●	○



Dimensions (cm)

Model	H	Ø	L	i
ASA 2"	109	52	105	86
ASA 3"	117	60	110	93
ASA 4"	134	77	136	113

H = Filter height
 Ø = Filter diameter
 L = Filter length
 i = Distance between inlet and outlet hole

Codification

Code	Description
Manual ASA	
IT-ASA1150	2" female, Epoxy coated body, sand not included PN10
IT-ASA1150-6	2" female, Galvanized body, sand not included PN10
IT-ASA1180	3" female, Epoxy coated body, sand not included PN10
IT-ASA1180-6	3" female, Galvanized body, sand not included PN10
IT-ASA0100-1	4" flanged, Epoxy coated body, sand not included PN8
IT-ASA0100-6	4" flanged, Galvanized body, sand not included PN8
Automatic ASA	
IT-AFSFOMAC-2	2" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, AC power, (flow rate 35 m³/h), PN10
IT-AFSFOMAC-3	3" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, AC power, (flow rate 44 m³/h), PN10
IT-AFSFOMAC-4	4" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, AC power, (flow rate 69 m³/h), PN8
IT-AFSFOMDC-2	2" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, DC power, (flow rate 35 m³/h), PN10
IT-AFSFOMDC-3	3" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, DC power, (flow rate 44 m³/h), PN10
IT-AFSFOMDC-4	4" female, Galvanized Body, with automatic backflush, Filcom controller 2st. included, DC power, (flow rate 69 m³/h), PN8