

Water Treatment



Engineering & Construction

**Filtration
FAS VRT Mod.**

OVERVIEW

FAS VTR multilayer filters are different from FAS filters in dimensions, tank and filter piping materials. They have been projected for low and medium flow rates of water to be treated (from 700 l/h to 14 m³/h). They are perfect as pre-treatment in our desalination reverse osmosis plants, in order to remove physical impurities in the water to be treated. Thanks to the materials used, they are suitable to sea or brackish water.

WORKING DATA

- Operation pressure min/max 2,5/4 bar
- Project/test pressure 6 bar
- Backwashing pressure 1,5 bar
- Electric power voltage/frequency 220/50 V/Hz



CONSTRUCTION CHARACTERISTICS

FAS VTR M Models

- Tank: in fibreglass.
- Automatic valve for water distribution in working and backwashing phases. Complete with upper and lower distributors and with an outgoing contact in order to sign "filter not available".
- Pressure gauges, diameter 63 mm, scale 0-6 bar, stainless steel box, AISI 316 connections (non mounted).
- Filtration media (anthracite, quartziferous sand and bearing gravel) supplied in bags.

FAS VTR PVC Models

- Tank: in fibreglass
- Water distribution system: composed by an upper PVC/PP distributor, slots 0.5 mm, and by a lower robust PVC/PP filter-nozzle in with holes of 0.5 mm.
- Automatic valve membrane type, NA, in plastic material, to manage the washing and backwashing phases.
- Electronic central plant, controlling the time programming valves. Operating, backwashing and final washing times are adjustable as required according to the real working conditions. An outgoing contact is available to signal "filter not available".
- PVC filter piping with bearing frame in AISI 304 stainless steel.
- Pressure gauges diameter 63 mm, scale 0-6 bar, stainless steel box, AISI 316 connections.
- Filtration media (anthracite, quartziferous sand and bearing gravel) supplied in bags.

TECHNICAL DATA

Model	Flow Rates			
	Operating			Backwashing
	v = 15 m/h m ³ /h	v = 20 m/h m ³ /h	v = 25 m/h m ³ /h	
FAS 25 VTR M	0.7	1.0	1.2	1.0
FAS 33 VTR M	1.3	1.7	2.1	1.7
FAS 40 VTR M	1.9	2.5	3.1	2.5
FAS 50 VTR M	2.9	3.9	4.9	3.9
FAS 50 VTR PVC	2.9	3.9	4.9	3.9
FAS 62 VTR PVC	4.5	6.0	7.5	6.0
FAS 78 VTR PVC	7.2	9.6	11.9	9.6
FAS 94 VTR PVC	10.4	13.9	17.3	13.9

- NB:**
- For constructional reasons dimensions and weights are not binding.
 - The company holds the right to modify the technical and aesthetic characteristics of each equipment.

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Organizzazione con sistema di gestione per la qualità certificato dalla Dasa-Rägister S.p.A.
in conformità alla EN ISO 9001 (2000)
