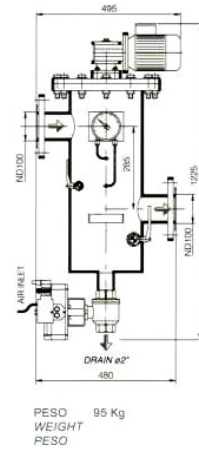


MF Medium Flow Self Cleaning Filter

The MF self cleaning filter is capable of filtering medium liquid volumes with no operating downtime, subject to the types of contamination to be removed.

Technical Specification

Operating Pressure	10 barg
Filtration	50—1500 micron
Design pressure	15 barg
Max operating pressure	70°C
Inlet/outlet flanges	DN100
Discharge ø	2"
Automatic drain valve	24V a.c
Differential pressure gauge	0+0.7 barg
Control unit	230/400V 3 phase –50 HZ
Couplings for back wash	Manual ball valve



Materials

The filter body and all parts in contact with the liquid are 304L stainless steel. 316 st.st is available upon request. Seals are Viton and EPDM—other materials upon request.

Filter cartridge

The type of cartridge depends upon the level of filtration required and the type of contamination.

Types

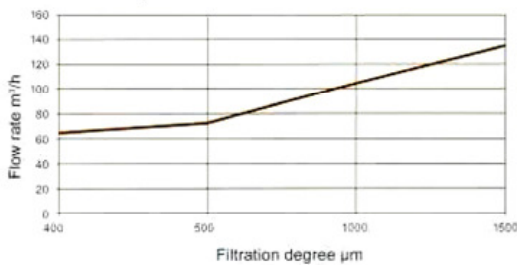
- radial arranged V-shaped bars
- Punched holes

Flow rates

Maximum flow rates (m³/hr) values determined with a pressure drop of 0.2-0.3 barg, depending upon the filter media

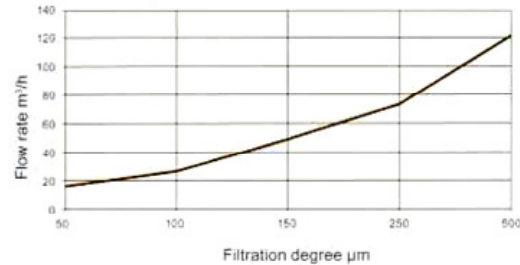
FLOW DIAGRAM WITH 1 GR/LT OF SUSPENDED SOLID PUNCHED HOLE

Data test with H₂O at 20°C



FLOW DIAGRAM WITH 1 GR/LT OF SUSPENDED SOLID VEE BARS

Data test with H₂O at 20°C



MF Maximum flow rates with clean water m³/hr

Filter media	Cartridge Surface Area (dm ²)	1500µ 11 mesh		1000µ 18 mesh		500µ 35 mesh		400µ 40 mesh		250µ 60 mesh		150µ 100 mesh		100µ 150 mesh		50µ 400 mesh	
		Free pas-sage	Flow	Free Pas-sage	Flow	Free pas-sage	Flow	Free pas-sage	Flow	Free pas-sage	Flow	Free Pas-sage	Flow	Free Pas-sage	Flow		
Punched Holes	19	32.4	170	22	130	10	108	6.5	98								
Vee bars	19					33	208			20	100	13	66	9	45	4.7	23



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