

Industrial self cleaning filters

SELF CLEANING FILTERS WITH SUCTION NOZZLES

SCFa-MH20-H-FRP-01

[Link to product's PDF drawing](#)



TECHNICAL FEATURES:

Type	SCFa-MH20-H-FRP-01
Material	FRP (Fiberglass)
In/Out	2" VICTAULIC, 3" VICTAULIC, 4" VICTAULIC, 5" VICTAULIC, 6" VICTAULIC
Continuous flow	Yes
Micron	50, 80, 125, 200, 300, 500, 800
Efficiency	90%
Efficiency on non compressible particles	High
Efficiency on compressible particles	Medium
Efficiency on light particles	Medium

DESIGN DATA

Min working pressure - filtration phase	0.5 bar
Min working pressure - regeneration cycle	2.5 bar
Max working pressure	6 bar
Hydraulic test pressure	9 bar
Max working temperature	50°C
pH min	5
pH max	8
Max diameter inlet particles	0 mm
Max total suspended solids	50 mg/l (50-80µm) - 100 mg/l (125-200-300-500µm)
Max pressure difference	1 bar

POWER

Electric power	12 Volt DC 10A / 120 Watt
Electric power solenoid valve	12 Volt DC
Air pressure min	2 bar
Air pressure max	8 bar



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APPLICATIONS

Water
Sea water
Prefiltration for water treatment plants
Process water
Evaporative cooling towers
Heat exchangers
Irrigation
Aquaculture
Protection of spray nozzles
Prefiltration for ultrafiltration (UF) plants
Prefiltration for reverse osmosis (RO) plants

Code	Description	Filtering surface	Connection In/Out	Connection drain	Micron	Flow rate	Cleaning flow rate at 2 bar(m3/h)"	Cleaning time (sec)	Power needed (Watt)	Quantity box	€/each
SCFaMH20HFRP200VI50WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	50	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI80WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	80	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI125WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	125	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI200WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	200	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI300WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	300	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI500WH	SCFa-MH20-H-FRP-01	0.15 m ²	2"	1" 1/4 BSP F	500	25.000	9,00	10	120	1	-
SCFaMH20HFRP200VI800WH	SCFa-MH20-H-FRP-01	0.8 m ²	2"	1" 1/4 BSP F	800	25.000	9,00	10	120	1	-
SCFaMH20HFRP300VI50WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	50	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI80WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	80	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI125WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	125	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI200WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	200	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI300WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	300	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI500WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	500	60.000	9,00	10	120	1	-
SCFaMH20HFRP300VI800WH	SCFa-MH20-H-FRP-01	0.8 m ²	3"	1" 1/4 BSP F	800	60.000	9,00	10	120	1	-
SCFaMH20HFRP400VI50WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	50	90.000	12,00	10	120	1	-
SCFaMH20HFRP400VI80WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	80	90.000	12,00	10	120	1	-
			VICTAULIC								



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Code	Description	Filtering surface	Connection In/Out	Connection on drain	Micron	Flow rate	Cleaning flow rate at 2 bar(m3/h)"	Cleaning time (sec)	Power needed (Watt)	Quantity box	€/each
SCFaMH20HFRP400VI125WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	125	90.000	12,00	10	120	1	-
SCFaMH20HFRP400VI200WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	200	90.000	12,00	10	120	1	-
SCFaMH20HFRP400VI300WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	300	90.000	12,00	10	120	1	-
SCFaMH20HFRP400VI500WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	500	90.000	12,00	10	120	1	-
SCFaMH20HFRP400VI800WH	SCFa-MH20-H-FRP-01	0.45 m ²	4"	1" 1/4 BSP F	800	90.000	12,00	10	120	1	-
SCFaMH20HFRP500VI50WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	50	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI80WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	80	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI125WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	125	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI200WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	200	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI300WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	300	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI500WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	500	140.000	12,00	10	120	1	-
SCFaMH20HFRP500VI800WH	SCFa-MH20-H-FRP-01	0.45 m ²	5"	1" 1/4 BSP F	800	140.000	12,00	10	120	1	-
SCFaMH20HFRP600VI50WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	50	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI80WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	80	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI125WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	125	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI200WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	200	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI300WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	300	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI500WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	500	200.000	12,00	10	120	1	-
SCFaMH20HFRP600VI800WH	SCFa-MH20-H-FRP-01	0.45 m ²	6"	1" 1/4 BSP F	800	200.000	12,00	10	120	1	-
				VICTAULIC							

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SELF CLEANING FILTERS CODE LIST

Model	Material		Connection IN/OUT		Micron		Specs and finishing	
SCFaMH20H	FRP (Fiberglass)	FRP	2" VICTAULIC 3" VICTAULIC 4" VICTAULIC 5" VICTAULIC 6" VICTAULIC	200VI 300VI 400VI 500VI 600VI	50 µm 80 µm 125 µm 200 µm 300 µm 500 µm 800 µm	50 80 125 200 300 500 800	White	WH



*Approximate picture. End caps and height's choice will lead to the assembly of a product which could differ from those shown in figure
Flow rate chart available on products.oltremaremembrane.com by choosing microns gradient and connections and selecting specific product data sheet*