



FMA 1000 E DATA SHEET

MODEL	1002 E	1003 E	1004 E	1006 E
GENERAL DATA				
Inlet/Outlet diameter ⁽¹⁾	DN-50 (2")	DN-80 (3")	DN-100 (4")	DN-150 (6")
Maximum/minimum working pressure	2 bar / 10 bar			
Fluid maximum temperature	50 °C (Up to 95 °C on demand)			
PVC SCREEN DATA				
Maximum flow rate (m ³ /h)	50	90	150	280
Gross filtering surface (cm ²)	910	1.600	2.400	4.800
Net filtering surface (cm ²)	460	1.000	1.600	3.200
Unladen weight (kg)	40	45	60	86
Filtration degrees	1.000, 500, 300, 200, 125,100 microns			
STAINLESS STEEL SCREEN DATA				
Maximum flow rate (m ³ /h)	70	140	200	350
Gross filtering surface (cm ²)	1.000	1.760	2.650	5.300
Net filtering surface (cm ²)	711	1.400	2.200	4.390
Unladen weight (kg)	42	52	67	88
Filtration degrees	From 1.000 up to 100 microns	1.000, 500, 300, 200, 125,100, 80, 50, 25 microns		

BACKWASHING DATA				
Backwashing valve	G-1" thread			
Backwash cycle time	13 seconds	16 seconds	18 seconds	20 seconds
Backwashing flow rate (m ³ /h)	2,4	3,7	3,7	9
Backwashing water consumption (litres)	9	16,4	18,5	50
ELECTRICAL DATA				
Supply voltage	220 V AC 50 Hz Single-phase (Optional 400 V AC Three-phase)			
Control voltage	24 V DC			
Electric motor power	0,18 kW			
Electric motor consumption	0,72 A			
STANDARD MATERIALS				
Filter housing and lids	S-235-JR carbon steel			
Finish treatment	Kiln polymerized epoxy-polyester powder coating			
Suction scanner	AISI-304 stainless steel			
Filtering screen	AISI-316 stainless steel			
Suction nozzles	PVC with AISI 316 stainless steel ring and nylon brushes			
Backwashing valves	Polypropylene			
Separator disk	Aluminium			
Joints and bolts	A2 stainless steel			

Joints	NBR – EPDM - Viton
SPECIAL MATERIALS (OPTIONAL)	
Filter housing and lids	A-516 carbon steel/ AISI 304 stainless steel / AISI 316 / SuperDuplex
Finish treatment	Inside coating suitable for sea water and external coating suitable for sea environment
Suction scanner	Duplex or Superduplex stainless steel
Filtration screen	Avesta 254 SMO stainless steel
Suction nozzles	Duplex or Superduplex stainless steel and nylon brushes
Backwashing valves	Hydraulic, electric or pneumatic drive.
Separator disk	A2 or A4 stainless steel
Joints and bolts	A4 stainless steel
Joints	Ask