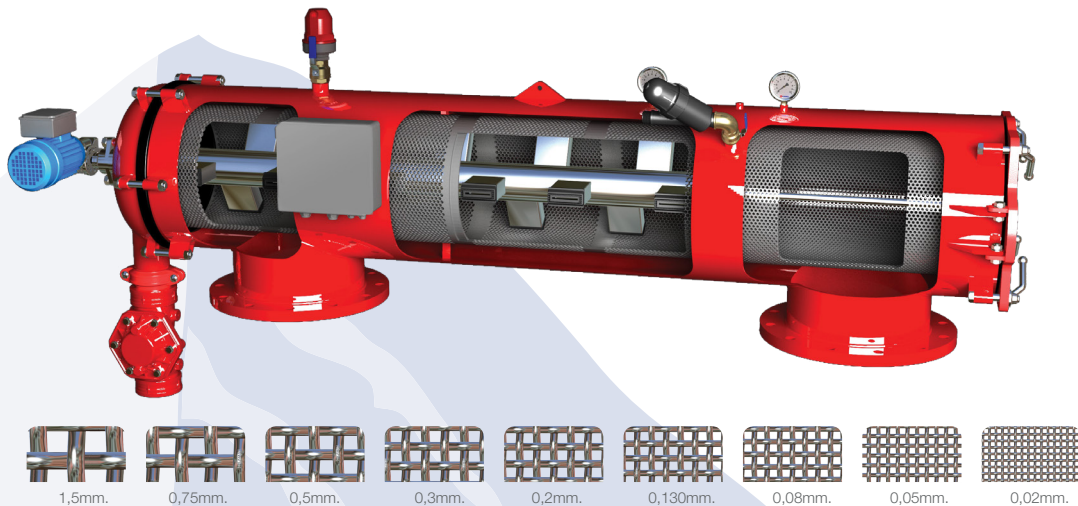


AUTOMESH SCREEN FILTERS

Offering the largest effective screen surface area with the most efficient effective backwash functionality, making this filter the leader in Automatic Backwash Self Cleaning Filters.



TECHNICAL DATA

SYSTEM / FEATURES

Raw water enters the filter inlet via a coarse screen which protects the backwashing mechanism from large solids. The water then passes through the fine screen, trapping sediments and dirt particles. Filtered water then flows through the filter outlet. As the foreign particles buildup on the inner screen surface this causes a pressure differential across the screen. A pressure differential switch monitors the pressure difference initiating a backwash when the set point is reached.

STEEL SURFACE TREATMENT

The steel elements are treated internally and externally and an impregnation of NANOTECHNOLOGY. The surfaces are then painted by electrostatic spraying powder paint epoxy polyester.

FILTERING ELEMENT

All Automatic filters are fitted with the standard screen 190micron, also available from 20micron to 1500micron.

CLEANING

The cleaning process is performed using a unique set of rubber suction nozzles which cover the entire screen surface area. In a single rotation of the backwash mechanism the system has been effectively backwashed, reducing backwash water waste.

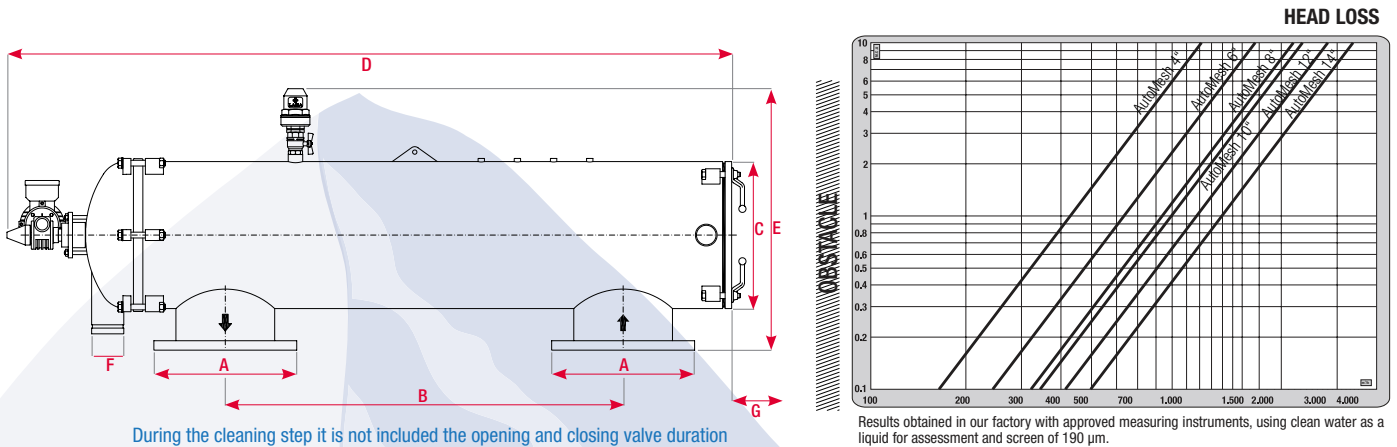
PRESSURES

Max Pressure: 10 kg/cm²
Min Pressure: 1 kg/cm²
Min Cleaning Pressure: 1 kg/cm²
Testing Pressure: 15 kg/cm²
Available Pressure: 16 kg/cm²

CONSTRUCTION MATERIALS

Body: Carbon Steel.
Joints: Synthetic Rubber Nitrile 60° Shore.
Screws: Stainless Steel.
Screen: PVC Cartridge and Stainless Steel Heat-welded Screen.
Suction Mechanism: Stainless Steel.

AUTOMESH-AUTOMATIC ELECTRIC SCREEN FILTER



A (Ø)	B (mm)	C (mm)	D (mm)	E (mm)	F (Ø)	*G (mm)	Net Weight (Kg)	Package size (mm)	Package Weight (Kg)	Package Volume (m³)	Code
4" flange	450	406	1,360	730	2"	560	140	1400 x 700 x 770	160	0.69	AutoMesh4
6" flange	800	406	1,622	730	2"	800	160	1650 x 700 x 770	180	0.90	AutoMesh6
8" flange	1,100	406	1,940	730	3"	1,045	259	2050 x 700 x 770	298	1.00	AutoMesh8
10" flange	1,100	406	2,004	730	3"	1,115	285	2150 x 700 x 770	320	1.05	AutoMesh10
12" flange	1,370	406	2,355	730	3"	1,400	322	2550 x 700 x 770	364	1.90	AutoMesh12
14" flange	1,370	406/500	2,615	825	3"	1,650	395	2950 x 700 x 770	443	1.92	AutoMesh14

* Security area for the cartridge removal

Flow Limit 3m. P.D.	Diameter Inch	Max. recommended flow (m³/h)		Filtration Surface (cm²)	Wash Pressure (Kg/cm²)	Wash Flow (m³/h)	Wash Water Quantity (ℓ)	Wash Duration (minimum)	Code	
		< 50ppm	50/100ppm							
670	4" flange	227	137	8,532	1	47	65.28	5"	A4ETMBI	
1,010	6" flange	343	207	10,757	1	71	98.6	5"	A6ETMBI	
1,321	8" flange	449	271	14,071	1	91	126.4	5"	A8ETMBI	
1,408	10" flange	479	289	14,560	1	97	134.7	5"	A10ETBI	
1,719	12" flange	584	353	17,761	1	117	162.5	5"	A12ETBI	
2,030	14" flange	690	417	21,313	1	143	198.6	5"	A14ETBI	
Rubber Nozzle									New	BAAG
Electric motor with control box 220V										MOEL