

BRAVOMAX M

Semi-automatic self cleaning filter



Finality

Impurities such as sand, rust flakes, lime deposits and coarse material can damage the water distribution line and household appliances (pipes, valves, mixers, faucets, washing machines, etc.). The installation of a protection filter is the most simple and efficient alternative to avoid such problems. BravoMAX M is a semi-automatic self cleaning filter with brushing system for cartridge cleaning and discharge valve for dirt. The filter is complete with pressure gauges for checking pressure drop across the filtering cartridge. BravoMAX M is designed with a standard filtration rating of 150 micron which retains coarse impurities from water preventing them from damaging the system..

Operation

Raw water entering BravoMAX M flows from the outside toward the inside of the filtering cartridge.



BravoMAX M patented system of cleaning is composed by two different actions: brushing of the filtering cartridge and high speed discharge. This method allows an efficient and thorough cleaning both of the filtering cartridge and the filter bowl. The cleaning is started by rotating clockwise the upper green knob: this movement activates, at each click, the brushing system and the opening of the discharge valve which creates an high speed tangential flow which removes impurities accumulated in the filter bowl.

Key Features

BravoMAX M is completely made in stainless steel. The filtering surface is in stainless steel soldered on a stretched wire netting. The particular structure of the filtering cartridge makes it resistant to mechanical shocks and pressure gradients eliminating deformation and crushing of the filtering cartridge.



BravoMAX M is the ideal solution for the filtration of high water flow rates. BravoMAX M meets TECHNICAL DATASHEET 127 Rev.1 del 09.15 Page 2 Italian requirements for drinking water treatment. The standard filtration rating of BravoMAX M is 150 microns; other filtration ratings are available upon request (100 and 200 microns). BravoMAX M is available with both threaded and flanged connections. BravoMAX M is equipped with two pressure gauges to monitor pressure drop across the filtering cartridge enabling one to easily determine the degree of clogging.

Intended use, use conditions

BravoMAX M has been specifically designed for the filtration of cold drinking water predominantly in civil applications but it may also be used for the protection of water distribution lines

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in technological applications (heating and cooling systems, industrial installations, etc.).

Maintenance and duration

BravoMAX M requires the periodic cleaning operation. BravoMAX M must be included in the periodic sanitization program planned for the distribution system (who has built the distribution system is in charge of this planning). As a consequence any time the distribution system is sanitized BravoMAX M must be sanitized too. For a proper maintenance two annual inspections are recommended.

Installation

Install in agreement with local regulations. Install only in hygienically suitable places. BravoMAX M should be installed in the cold water line upstream of the appliance (boiler, heat exchanger, etc.) to be protected. Do not install in the hot water line or downstream of the appliance to be protected. Install by-pass valves. Read the Installation Manual supplied with BravoMAX M.

Warnings

Cleaning and self-cleaning filters are protection filters and they are not suitable for the filtration of water containing silt, large amounts of sand and/or suspended material. In these cases it is necessary to use other types of filters.

Raw water

BravoMATIC M has been designed to treat only drinking water.

Conformity and Regulatory references

Acqua Brevetti applies a Quality Management System certified according to UNI EN ISO 9001 regulation, as per certificate issued by TÜV Italia SRL. The equipment complies with the Italian D.M. 174/04 and D.M. 25/12.

Endowment

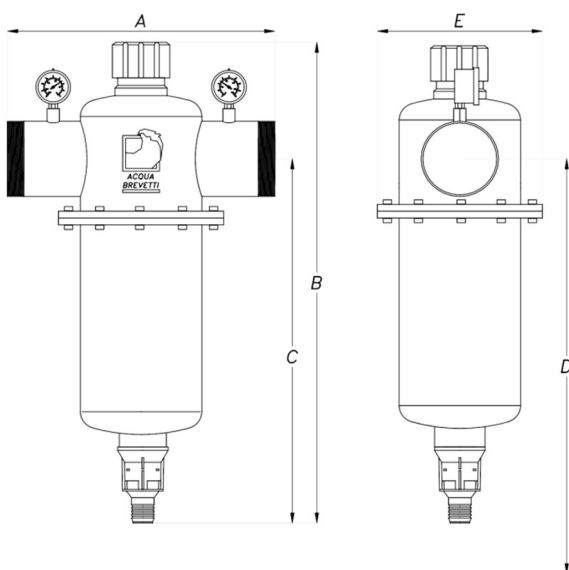
BravoMAX M is packaged in a wood box. The standard endowment includes: BravoMAX M filter, N°2 flanges (for flanged BravoMAX M), instruction manual (including the conformity declaration), warranty certification

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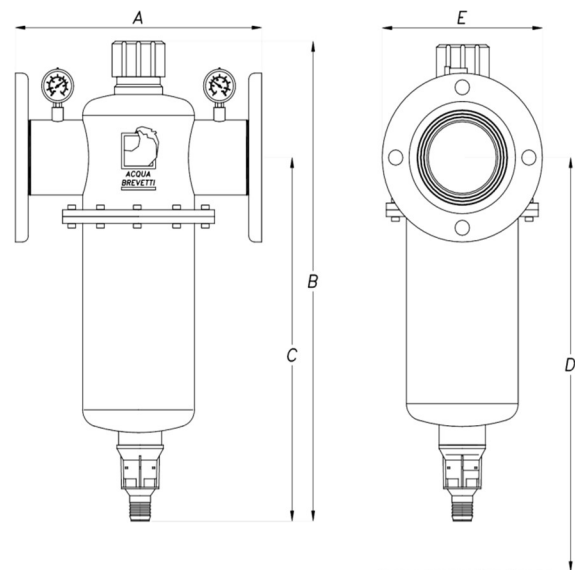
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Technical Datasheet

	Units	FT040 FT140	FT042 FT142	FT044 FT144	FT046 FT146
Connections	Inch DN	1"½ DN40	2" DN50	2"½ DN65	3" DN80
Flow rate ($\Delta P=0.2$ bar)	m ³ /h	18.0	22.4	35.0	40.0
Flow rate ($\Delta P=0.5$ bar)	m ³ /h	30.0	40.0	49.6	54.0
Filtration rating	μ m	150			
Min-max water pressure	bar	1.5 - 10			
Min-max water temperature	°C	5 - 30			
Code		FT040 FT140	FT040 FT140	FT044 FT144	FT046 FT146
A	mm	310			
B	mm	510		578	
C	mm	365		438	
D	mm	500		700	
E	mm	190			



BravoMAX M
cod. FT040 - FT042 - FT044 - FT046

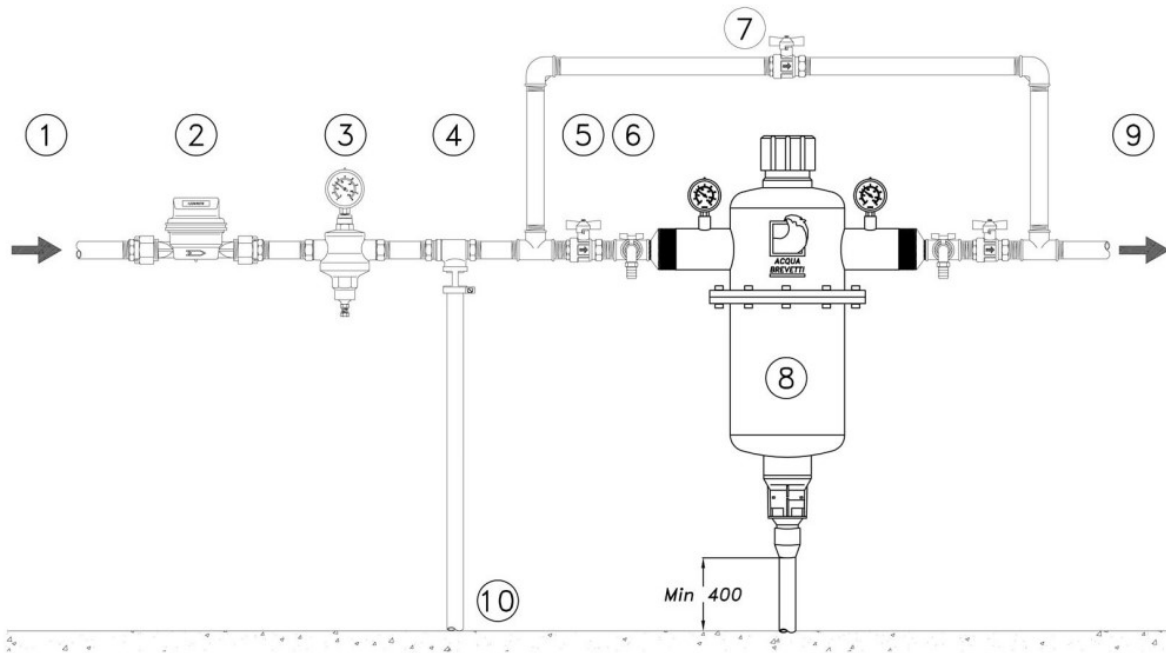


BravoMAX M
cod. FT140 - FT142 - FT144 - FT146

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Installation Scheme



	 <p>ACQUA BREVETTI</p> <p>Via A. Volta, 1/A 35030 Rubano (PD) tel.049/8974006 fax.049/8978649 www.acquabrevetti95.it info@acquabrevetti95.it</p>	<p>Installazione Filtro BravoMax Semi-Automatico Filettato</p> <p>DISSEG. D.Zago</p> <p>DATA 12/02/'09</p> <p><small>CON RIPRODUZIONE ANCHE PARZIALE È LA DENEGAZIONE A TUTTE SOGGE AUTORIZZAZIONE SCRITTA DELLA PROPRIETARIA, SANS' POSSIBILITÀ A TERMI DI LEGGE</small></p>
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Legend

1. Water inlet • 2. Flow meter • 3. Pressure reducer • 4. Backflow preventer • 5. Shut off valve • 6. Sampling tap • 7. By-pass valve • 8. BravoMAX M filter • 9. Cold water outlet • 10. Drain.