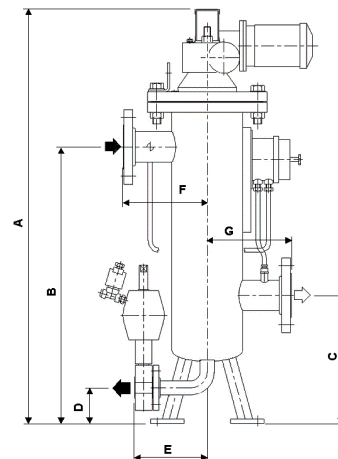


FILTROMATIC SM

AUTOMATIC WATER SELF-CLEANING FILTERS

FLOW RATE UP TO 185 m³/h

SIZE	DIMENSIONS mm.								IN-OUT	DRAIN
	A	B	C	D	E	F	G			
SM-2004-ANSI	1082	753	350	85	173	200	200	2 1/2" ANSI 150 RF	1" ANSI 150 RF	
SM-2004-UNI								DN 65 PN 16 UNI 2278/29	DN 25 PN 16 UNI 2278/29	
SM-2008-ANSI	1200	810	385	100	243	280	280	4" ANSI 150 RF	1" ANSI 150 RF	
SM-2008-UNI								DN 100 PN 16 UNI 2278/29	DN 25 PN 16 UNI 2278/29	
SM-3005-ANSI	1530	1045	420	100	296	300	300	6" ANSI 150 RF	1 1/2" ANSI 150 RF	
SM-3005-UNI								DN 150 PN 16 UNI 2278/29	DN 40 PN 16 UNI 2278/29	



AUTOMATIC SYSTEM

FILTROMATIC is equipped with a high reliable control system able to manage automatically the backwashing cycle to regenerate the filter elements.

The progressive accumulation of the retained debris causes an increase of differential pressure drops between inlet and outlet fluid pressure; when the pre-determinate set point is reached, the differential pressure switch activates the backwashing cycle which calls for the opening of the drain valve and the rotation of the backwashing arm.

The slide valve mounted on the arm seals off each filter elements from the filtration phase and put it in communication with atmospheric pressure: a small part of filtered water is forced in reverse direction carrying away the debris previously retained by the filter element through the opened drain valve.

The clean water pressure must exceed 1 bar in order to obtain an effective regeneration of the backwashing operation.

BENEFITS

- Backwashing without flow interruption
- Effective restore by backwashing
- Larger effective filtering surface reduces the frequency of backwashing cycles
- Rugged corrosion-proof filter elements
- Low water usage for backwashing operation
- Simply design provides lower maintenance cost

AVAILABLE FILTRATION RATINGS

Standard: 125-250-500-1000 micrometers
Upon request: 50-75 micrometers

EUROPEAN DIRECTIVES

The FILTROMATIC SM meets Machinery Directive 98/37/CE (and its updating) and is supplied with the installation and maintenance manuals with all the prescriptions for a safe handling of the equipment. Other Directives like PED & ATEX can be met, whenever applicable.

Data contained in this bulletin are informative and subject to change without prior notice.

User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.