SCAN FILTERS

Automatic screen filters " SCAN FILTERS" are available with 25 to 450 mch flow-rates, connections from 2'' to 10'' (dn250), with different filtration levels. The fully autonomous operation allows its installation even in remote areas lacking electricity. The automatic washing of the screen is achieved through a small quantity of water collected from the main flow avoiding the total interruption of the system flow.

How it works

Water enters a pre-filtration chamber retaining the bigger particles bodies that could block the operation mechanism. Then it flows through the special thin stainless steel filtration screen retaining dirty. The accumulation of substances on the screen surface generates an inlet-outlet pressure difference. When such difference reaches the set point (adjustable from 0.2 to 07 bar) the control unit activates the discharge valve. This is when the flushing starts. The flux of discharge water generates the helical rotation of the rotor arm where the suction nozzles are installed. The special configuration of the rotor arm ensures that the whole filtering area is perfectly cleaned by the suction nozzles. At the end of the cycle (lasting 10/20 seconds), the discharge valve goes back to the closing position and the rotor arm to its initial position, ready for the following flushing process.

SFV

self-cleaning automatic screen filter SCAN FILTER - vertical

Ref.	Model	G - dn	Connections	m^3/h	area fil.cm^3	Box	Stock
IFSFVV03LH12E	3" Large	3"	threaded F.	55	2.250	1	●
IFSFVV040F12E	4" Standard	dn 100	flanged	80	2.250	1	●

SFH

self-cleaning automatic screen filter SCAN FILTER - horizontal

Ref.	Model	G - dn	Connections	m^3/h	area fil.cm^3	Box	Stock
IFSFHV040F12E	4" Standard	dn 100	flanged	100	4.500	1	●
IFSFHV04LF12E	4" Large	dn 100	flanged	120	6.800	1	●
IFSFHV050F12E	5" Standard	dn 125	flanged	140	4.500	1	●
IFSFHV060F12E	6" Standard	dn 150	flanged	150	4.500	1	●
IFSFHV06LF12E	6" Large	dn 150	flanged	180	6.800	1	●
IFSFHV080F12E	8" Standard	dn 200	flanged	235	6.800	1	●
IFSFHV08LF12E	8" Large	dn 200	flanged	320	9.000	1	●
IFSFHV100F12E	10" Standard	dn 250	flanged	400	9.000	1	●
IFSFHV10LF12E	10" Large	dn 250	flanged	500	13.600	1	●

For the correct operation of SFV and SFH filters, the installation of an outlet pressure-relief valve is recommended

VSO

cast iron hydraulic valve with
plastic 3-way pressure-relief pilot

Ref.	G - dn	Connections	Box	Stock
IAVSO00000263	2"	threaded	1	●
IAVSO00000275	2" ½	threaded	1	●
IAVSO0000029A	3" A (323)	threaded	1	●
IAVSO0000029C	3" C	threaded	1	●
IAVSO00000211	dn 80 P	flanged	1	●
IAVSO0000019P	4"	threaded	1	●
IAVSO00000111	dn 100	flanged	1	●
IAVSO00000112	dn 125	flanged	1	●
IAVSO00000115	dn 150	flanged	1	●
IAVSO00000120	dn 200	flanged	1	●
IAVSO00000125	dn 250	flanged	1	●