

VORTEX



Centrifugal separating filter

AISI 304 - AISI 316

VORTEX is a centrifugal separating filter with a stainless steel body and a manual drain at the bottom. It is particularly indicated to treat water containing sands and/or suspended solids of a specific gravity superior to the water ($P > 1$). The filter is able to remove until 99% of sands and/or suspended solids with dimensions bigger than 75 μm and until the 65% with dimensions bigger than 50 μm . It has been designed to prevent at its best, the drain losses but maintaining the best separating efficiency. **VORTEX** works continuously, it does not contain filtrating elements or parts in movements, it can be inspected and can be provided of an automatic drain.


General informations

Materials	
Body	AISI 304 - 316
Cover	AISI 304 - 316
Cone	Plastic
Deflector	AISI 304
Gasket	Epdm

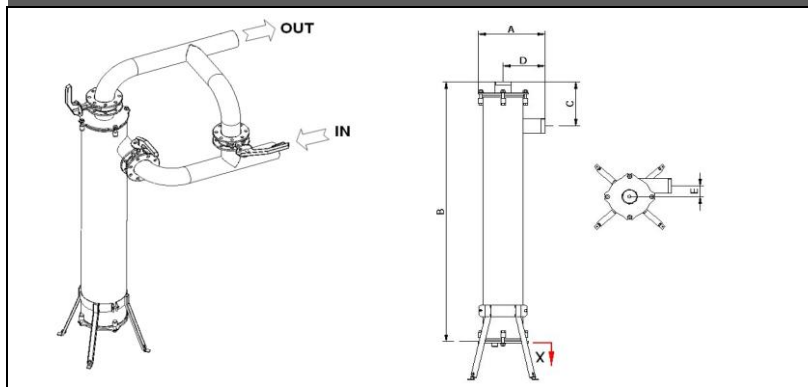
Connections	
DN	Type
3/4"	 BSP ANSI 150 - NPT Male threaded
1"	
1" 1/2	
2"	
3"	
100	 ISO PN 16/10 Flanged
150	

Application limits	
Filtration field	1.000÷50 μm
PN	10 bar
T	< + 60°C

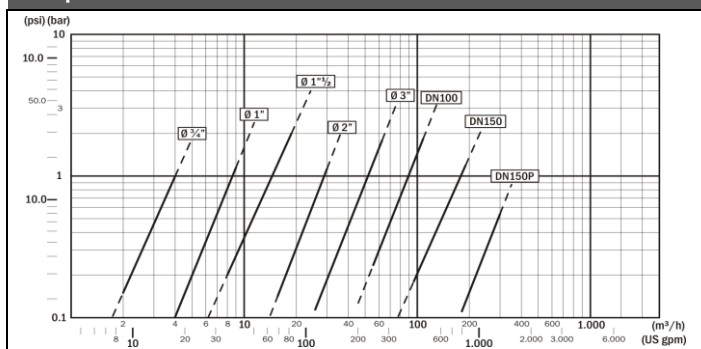
Technical informations

	Model	In/Out [in-mm]	Drain [in-mm]	Q _{min} * [m³/h]	Q _{max} * [m³/h]	Weight [kg]	Dimensions [mm]					
							A	B	C	D	E	X
	VX 3/4"	3/4"	1/2"	2	4	9	180	525	155	110	30	220
	VX 1"	1"	3/4"	4	9	15	205	860	155	120	40	220
	VX 1" 1/2	1" 1/2	3/4"	8	18	23	260	1060	195	160	45	220
	VX 2"	2"	3/4"	15	30	30	300	1200	205	190	55	220
	VX 3"	3"	3/4"	25	60	51	370	1600	265	230	65	220
	VX 100	100	1"	54	105	85	470	1860	315	300	80	250
	VX 150	150	2"	95	190	105	590	2150	335	400	80	300
	VX 150P	150	2"	180	300	130	630	2300	505	405	125	300

Dimensional drawings and typical installations



Head pressure losses



Included elements

Included elements

	Description	Ø [mm-in]	n°	L
	Body support - Ø88.9 - AISI304	88,9	1	VX 3/4"
	Body support - Ø114.3 - AISI304	114,3		VX 1"
	Body support - Ø139.7 - AISI304	139,7		VX 1" 1/2
	Body support - Ø168.3 - AISI304	168,3		VX 2"
	Body support - Ø219 - AISI304	219		VX 3"
	Body support - Ø273 - AISI304	273		VX 100
	Body support - Ø322.9 - AISI304	322,9		VX 150
	Body support - Ø406.4 - AISI304	406,4		VX 150P

Automatic drain device

Automatic valves

For models from VX 3/4" to VX 100:	
Automatic hydrovalve 1" Electric valve 12V to be controlled remotely	
For models VX 150 and VX150P:	
Automatic hydrovalve 2" Electric valve 12V to be controlled remotely	

Control unit

For models from VX 3/4" to VX 100:	
Saticon LM200-VX electronic unit Hydraulic valve 1" with electro valve 12V cc Power 230V ac / 12V cc - 1,2A included Activation for preset times	
For models VX 150 e VX150P:	
Saticon LM200-VX electronic unit Hydraulic valve type 2" with electro valve 12V cc Power 230V ac / 12V cc-1,2A included Activation for preset times	