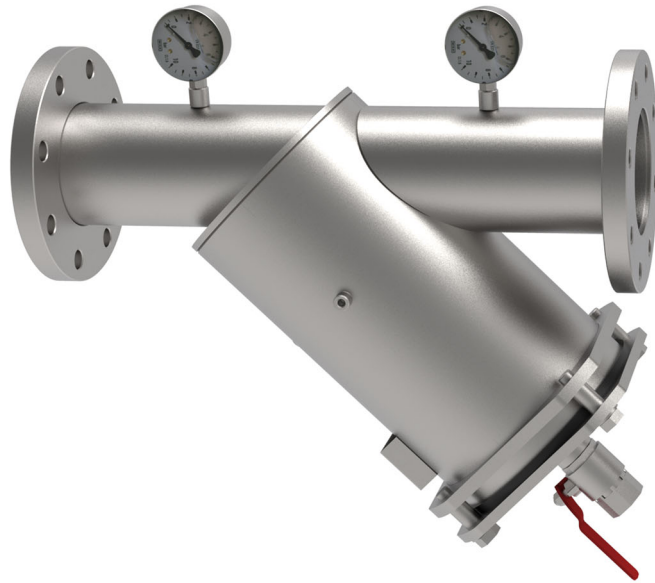




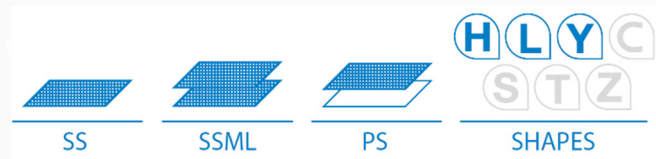
ASF filters

Brochure

alfawater™

Solid ideas made in steel

ASF filters



The simple manual screen filter with stainless steel housing: durable, economic and easy to maintain.

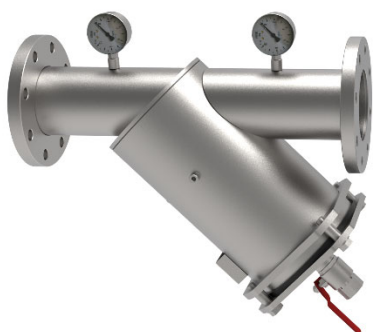
The simple manual screen filter with stainless steel housing: durable, economic and easy to maintain.

- Stainless steel housing and filter cartridge
- Interchangeable screens with several filtration degrees
- No mechanical moving parts
- Very durable and economic filtration choice
- Easy to install, maintain and clean/change cartridges
- Low pressure loss

ASF filters can support flow rates of up to 1400 m³/h (6164 US gpm) with five sizes of screens up to 19800 cm², with several multi-layers screens covering the range of filtration degree between 2000 and 10 µm and with different range of inlet/outlet connections between 2" and 16".

ASF filters can be equipped with automatic drain valve and magnetic kit to capture any particulate metal present in the water.

Il filtro a rete a pulizia manuale con corpo in acciaio inox: duraturo, economico e di semplice manutenzione.



- *Corpo e cartuccia filtrante in acciaio inox*
- *Reti intercambiabili con ampia gamma di gradi di filtrazione*
- *Nessuna parte meccanica in movimento*
- *Molto economico e di notevole durata*
- *Facilità di installazione, manutenzione e pulizia/sostituzione della cartuccia*
- *Perdite di carico minime*

I filtri ASF riescono a trattare una portata fino a 1400 m³/h (6164 US gpm) con cinque taglie di cartucce filtranti multistrato e un'area filtrante fino a 19800 cm², con un ampio range di filtrazione da 2000 a 10 µm e con connessioni flangiate di ingresso ed uscita comprese tra 2" e 16".

I filtri ASF possono essere integrati con valvola automatica di svuotamento e kit di magneti per captare eventuale particolato metallico presente nell'acqua.

TECHNICAL DATA - DATI TECNICI

Filter size - Taglia filtro	16	23	35	55
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General data - Dati generali

Inlet/outlet diameter <i>Diametro connessioni IN/OUT</i>	2" / 3" / 4" flanged EN 1092-1	2" / 3" / 4" / 6" flanged EN 1092-1	2" / 3" / 4" / 6" / 8" flanged EN 1092-1	3" / 4" / 6" / 8" flanged EN 1092-1
Max flow rate * <i>Portata massima</i>	100 m³/h 440 US gpm	180 m³/h 793 US gpm	270 m³/h 1188 US gpm	390 m³/h 1717 US gpm
Max working pressure <i>Pressione massima</i>	10 bar 145 psi			
Max working temperature <i>Temperatura massima</i>	80 °C 176 °F			

* Flow rates are referred to 100µm filter screen, water with NTU < 1 and temperature of 20°C
Portate riferite a filtri con rete filtrante da 100µm, acqua con NTU < 1 e temperatura di 20°C

Screen elements - Elementi filtranti

Screen Area <i>Area filtrante</i>	1.600 cm² 248 in²	2.300 cm² 357 in²	3.500 cm² 543 in²	5.500 cm² 853 in²
Filtration degrees <i>Gradi di filtrazione</i>	1000 / 800 / 500 / 400 / 200 / 100 / 50 / 25 / 10 µm			
Screen types <i>Tipologia elementi filtranti</i>	Screens: Stainless Steel AISI 316 or Multi-layers SS AISI316 + PETP (Polyester) Reti: Acciaio inox AISI 316 oppure multistrato Inox AISI316 + Poliestere PETP			

Filter size - Taglia filtro	81	110	198
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General data - Dati generali

Inlet/outlet diameter <i>Diametro connessioni IN/OUT</i>	6" / 8" / 10" flanged EN 1092-1	8" / 10" / 12" flanged EN 1092-1	10" / 12" / 16" flanged EN 1092-1
Max flow rate <i>Portata massima</i>	600 m³/h 2642 US gpm	800 m³/h 3522 US gpm	1400 m³/h 6164 US gpm
Max working pressure <i>Pressione massima</i>	10 bar 145 psi		
Max working temperature <i>Temperatura massima</i>	80 °C 176 °F		

* Flow rates are referred to 100µm filter screen, water with NTU < 1 and temperature of 20°C
Portate riferite a filtri con rete filtrante da 100µm, acqua con NTU < 1 e temperatura di 20°C

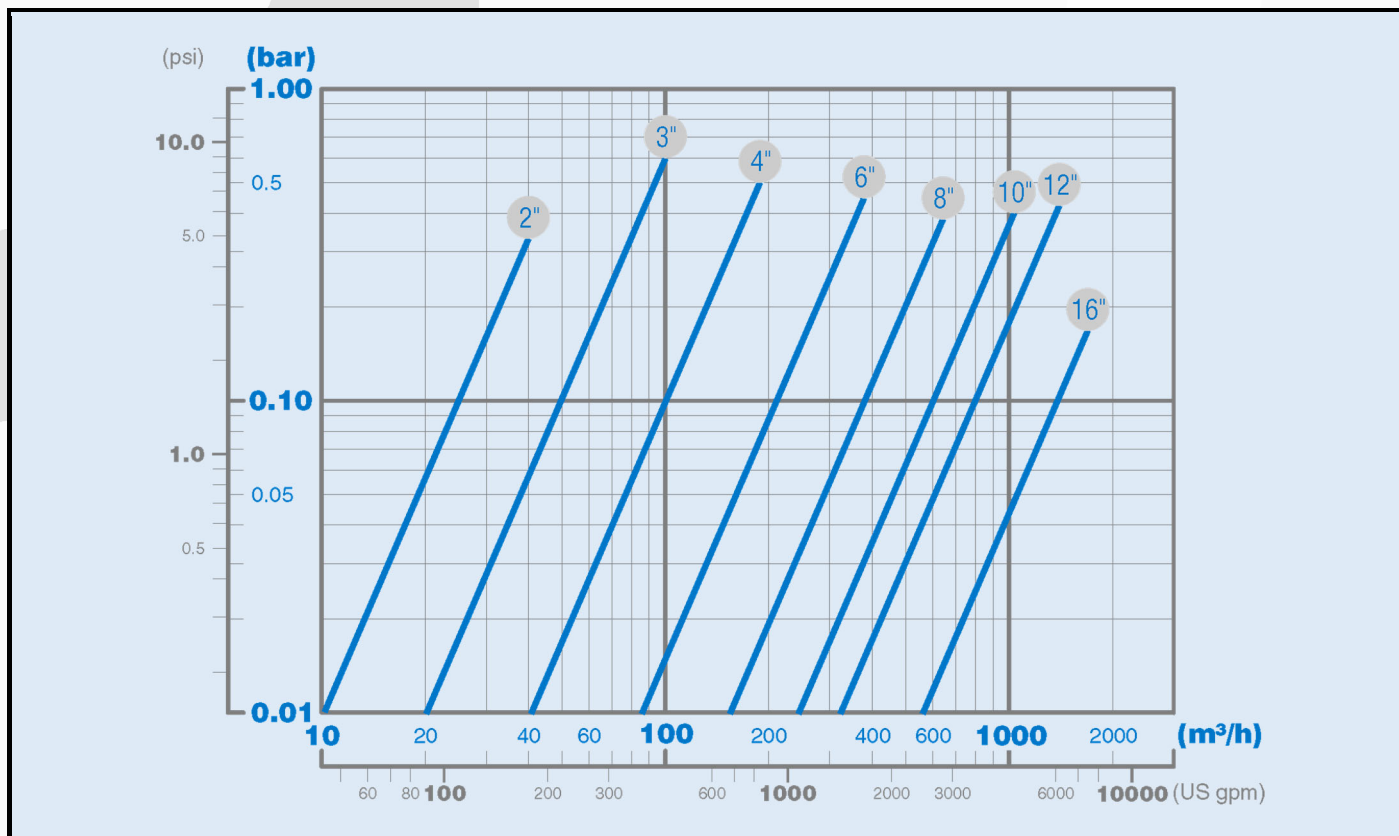
Screen elements - Elementi filtranti

Screen Area <i>Area filtrante</i>	8.100 cm² 1256 in²	11.000 cm² 1705 in²	19.800 cm² 3069 in²
Filtration degrees <i>Gradi di filtrazione</i>	1000 / 800 / 500 / 400 / 200 / 100 / 50 / 25 / 10 µm		
Screen types <i>Tipologia elementi filtranti</i>	Screens: Stainless Steel AISI 316 or Multi-layers SS AISI316 + PETP (Polyester) Reti: Acciaio inox AISI 316 oppure multistrato Inox AISI316 + Poliestere PETP		

Materials - Materiali

Filter Body <i>Corpo filtro</i>	AISI 304 / AISI 316 / SAF 2205 / 254 SMO
Cover <i>Coperchio</i>	AISI 304 / AISI 316 / SAF 2205 / 254 SMO
Screen support <i>Supporto rete</i>	AISI 316 / SAF 2205
Gasket <i>Guarnizioni</i>	EPDM - NBR

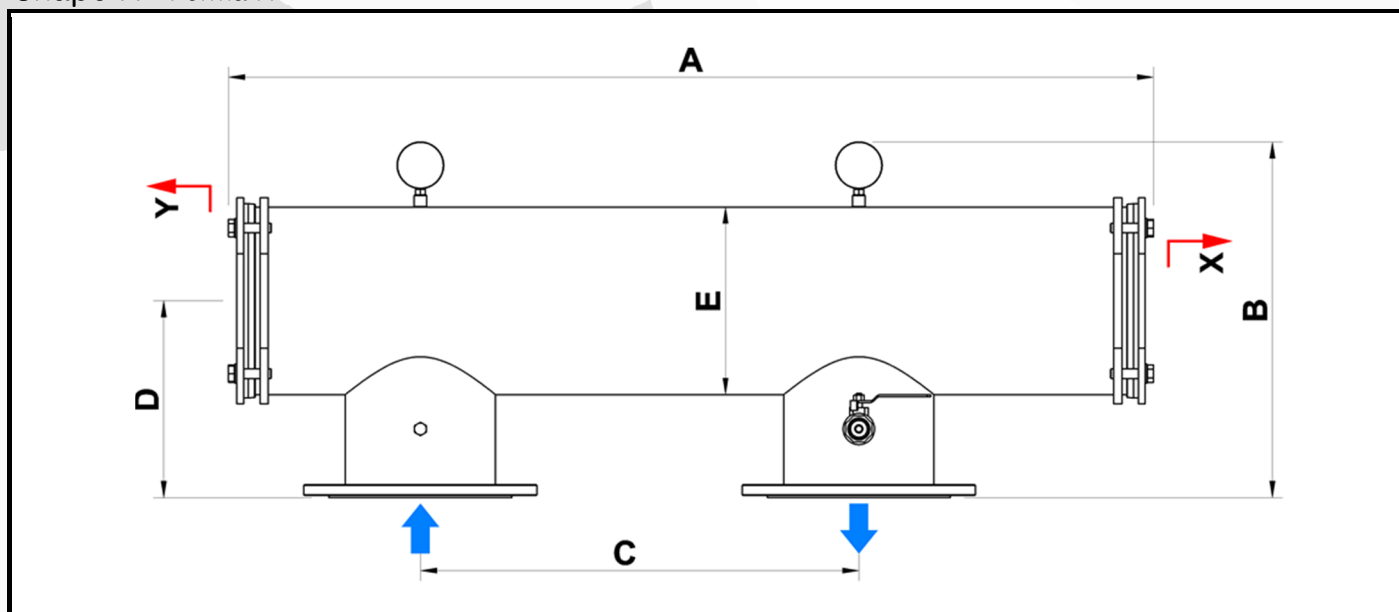
Head loss - Perdite di carico*



* Head loss are referred to filtrating screen 100 µm, water with NTU<1 and temperature of 20°C
 Perdite di carico riferita a filtri con rete filtrante da 100 µm, acqua con NTU<1 e temperatura di 20°C

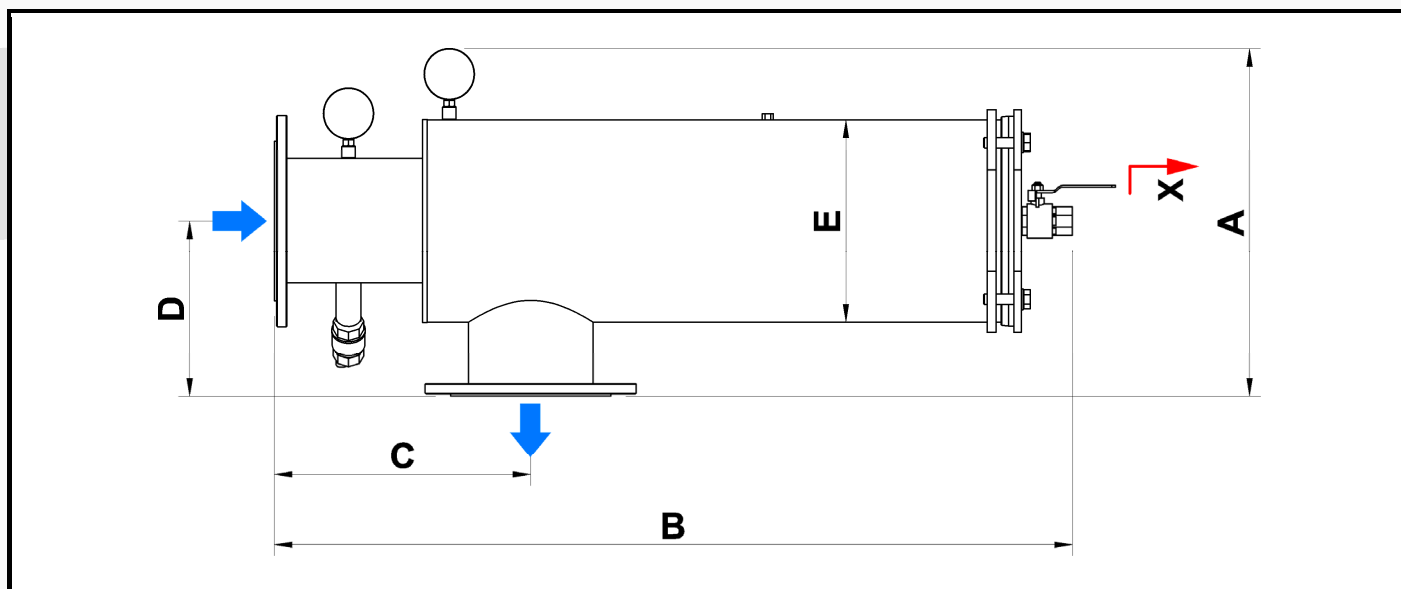
DIMENSIONS - DIMENSIONI

Shape H - Forma H



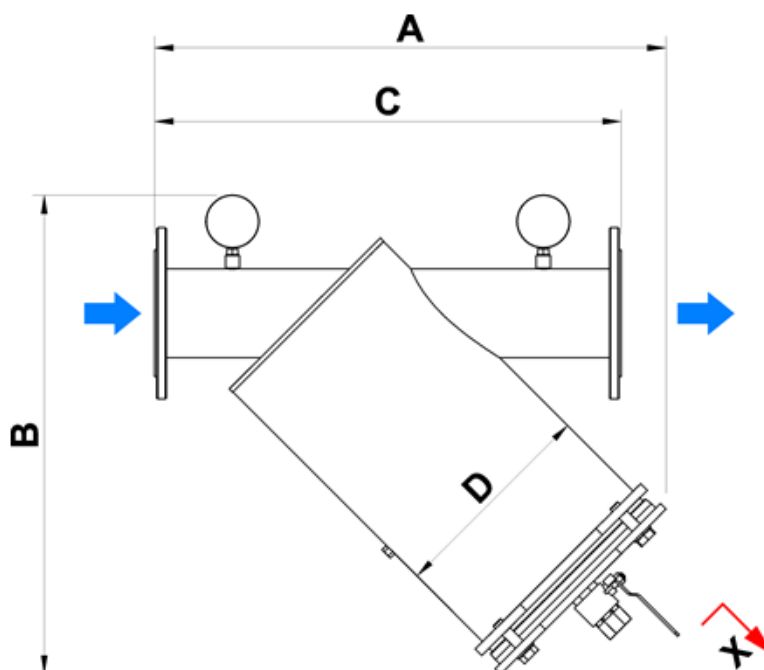
Filter Model <i>Modello filtro</i>	In/Out Conn.	Drain Conn.	Filter Area [cm ²]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Y [mm]	Weight [Kg]
ASF 16H2	2" flg	1" thrdF	1600	30	1065	410	450	215	206	400	600	35
ASF 16H3	3" flg	1" thrdF	1600	60	1065	410	450	215	206	400	600	38
ASF 16H4	4" flg	1" thrdF	1600	100	1065	410	450	215	206	400	600	40
ASF 23H2	2" flg	1" thrdF	2300	30	1065	410	450	215	206	600	400	35
ASF 23H3	3" flg	1" thrdF	2300	60	1065	410	450	215	206	600	400	38
ASF 23H4	4" flg	1" thrdF	2300	100	1065	410	450	215	206	600	400	41
ASF 23H6	6" flg	1" thrdF	2300	180	1065	410	450	215	206	600	400	47
ASF 35H2	2" flg	1" thrdF	3500	30	1525	510	640	280	237	600	900	57
ASF 35H3	3" flg	1" thrdF	3500	60	1525	510	640	280	237	600	900	61
ASF 35H4	4" flg	1" thrdF	3500	100	1525	510	640	280	237	600	900	66
ASF 35H6	6" flg	1" thrdF	3500	220	1525	510	640	280	237	600	900	72
ASF 35H8	8" flg	1" thrdF	3500	270	1525	510	640	280	237	600	900	78
ASF 55H3	3" flg	1" thrdF	5500	60	1525	510	640	280	237	900	600	61
ASF 55H4	4" flg	1" thrdF	5500	100	1525	510	640	280	237	900	600	67
ASF 55H6	6" flg	1" thrdF	5500	220	1525	510	640	280	237	900	600	73
ASF 55H8	8" flg	1" thrdF	5500	390	1525	510	640	280	237	900	600	78

Shape L - Forma L



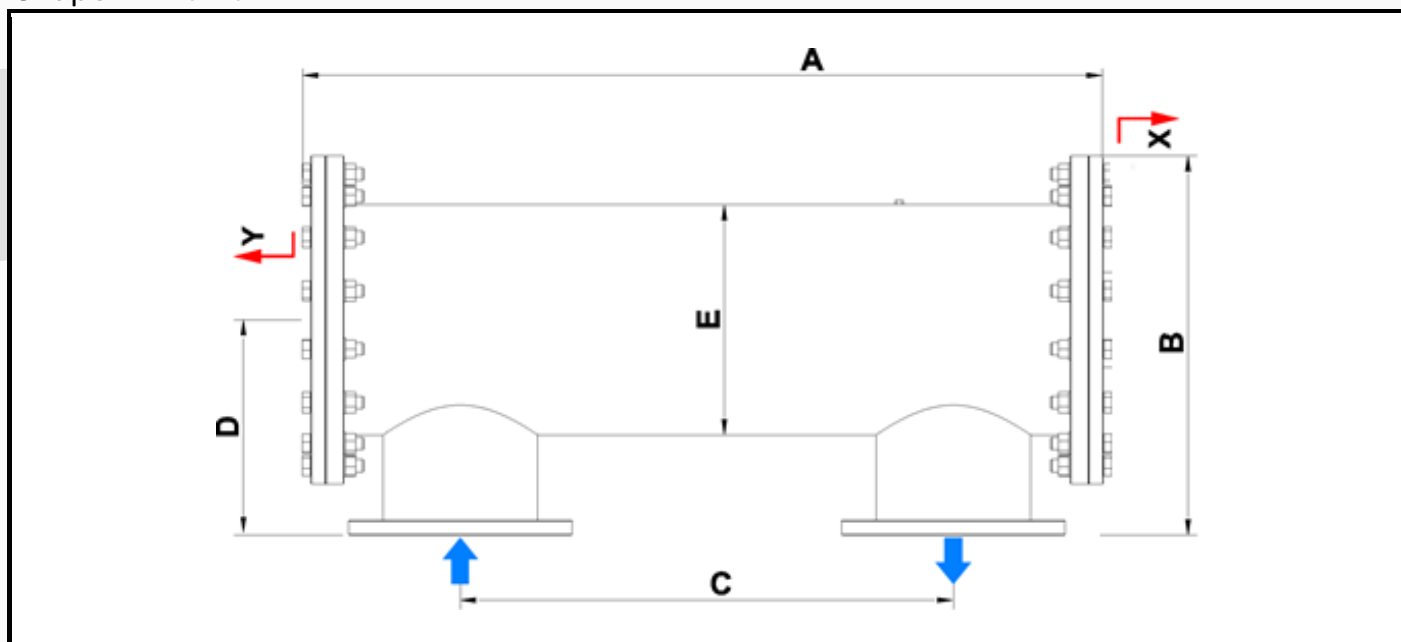
Filter Model <i>Modello filtro</i>	In/Out Conn.	Drain Conn.	Filter Area [cm ²]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Weight [Kg]
ASF 16L2	2" flg	1" thrdF	1600	30	330	670	295	210	206	400	23
ASF 16L3	3" flg	1" thrdF	1600	60	350	670	295	210	206	400	25
ASF 16L4	4" flg	1" thrdF	1600	100	380	670	295	210	206	400	27
ASF 23L2	2" flg	1" thrdF	2300	30	330	840	295	210	206	600	26
ASF 23L3	3" flg	1" thrdF	2300	60	350	840	295	210	206	600	29
ASF 23L4	4" flg	1" thrdF	2300	100	380	840	295	210	206	600	30
ASF 23L6	6" flg	1" thrdF	2300	180	430	840	295	210	206	600	36
ASF 35L2	2" flg	1" thrdF	3500	30	330	890	345	280	273	600	32
ASF 35L3	3" flg	1" thrdF	3500	60	380	890	345	280	273	600	37
ASF 35L4	4" flg	1" thrdF	3500	100	430	890	345	280	273	600	40
ASF 35L6	6" flg	1" thrdF	3500	220	440	890	345	280	273	600	46
ASF 35L8	8" flg	1" thrdF	3500	270	480	890	345	280	273	600	51
ASF 55L3	3" flg	1" thrdF	5500	60	380	1120	345	280	273	900	41
ASF 55L4	4" flg	1" thrdF	5500	100	430	1120	345	280	273	900	47
ASF 55L6	6" flg	1" thrdF	5500	220	440	1120	345	280	273	900	53
ASF 55L8	8" flg	1" thrdF	5500	390	480	1120	345	280	273	900	59

Shape Y - Forma Y



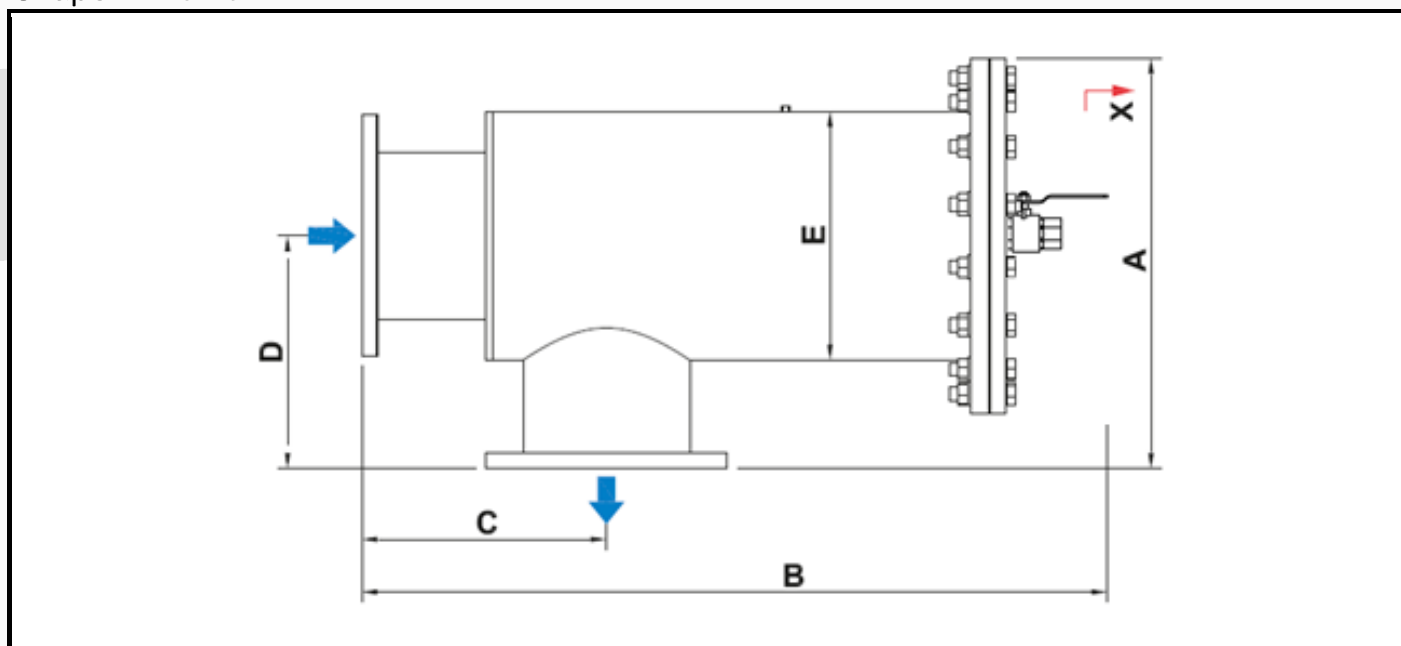
Filter Model <i>Modello filtro</i>	In/Out Conn.	Drain Conn.	Filter Area [cm ²]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	X [mm]	Weight [Kg]
ASF 16Y2	2" flg	1" thrdF	1600	30	465	465	395	206	400	20
ASF 16Y3	3" flg	1" thrdF	1600	60	490	480	450	206	400	24
ASF 16Y4	4" flg	1" thrdF	1600	100	540	490	550	206	400	27
ASF 23Y3	3" flg	1" thrdF	2300	60	610	600	450	206	600	28
ASF 23Y4	4" flg	1" thrdF	2300	100	660	610	550	206	600	30
ASF 35Y4	4" flg	1" thrdF	3500	100	690	640	600	273	600	38
ASF 35Y6	6" flg	1" thrdF	3500	220	765	665	745	273	600	48
ASF 55Y4	4" flg	1" thrdF	5500	100	895	845	600	273	900	47
ASF 55Y6	6" flg	1" thrdF	5500	220	970	870	745	273	900	55

Shape H - Forma H



Filter Model <i>Modello filtro</i>	In/Out Conn.	Drain Conn.	Filter Area [cm ²]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Y [mm]	Weight [Kg]
ASF 81H6	6" flg	2" flg	8100	220	1511	780	800	350	406	900	600	285
ASF 81H8	8" flg	2" flg	8100	390	1511	780	800	350	406	900	600	290
ASF 81H10	10" flg	2" flg	8100	600	1511	780	800	350	406	900	600	295
ASF 110H8	8" flg	2" flg	11000	390	1794	875	800	380	457	1200	600	350
ASF 110H10	10" flg	2" flg	11000	600	1794	875	800	380	457	1200	600	355
ASF 110H12	12" flg	2" flg	11000	800	1794	875	800	380	457	1200	600	365
ASF 198H10	10" flg	2" flg	19800	600	2050	850	1200	460	610	1500	600	510
ASF 198H12	12" flg	2" flg	19800	800	2050	850	1200	460	610	1500	600	515
ASF 198H16	16" flg	2" flg	19800	1400	2050	850	1200	460	610	1500	600	550

Shape L - Forma L



Filter Model <i>Modello filtro</i>	In/Out Conn.	Drain Conn.	Filter Area [cm ²]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Weight [Kg]
ASF 81L6	6" flg	2" flg	8100	220	730	1236	400	320	406	900	180
ASF 81L8	8" flg	2" flg	8100	390	730	1236	400	320	406	900	185
ASF 81L10	10" flg	2" flg	8100	600	730	1236	400	320	406	900	190
ASF 110L8	8" flg	2" flg	11000	390	810	1533	500	380	457	1200	215
ASF 110L10	10" flg	2" flg	11000	600	810	1533	500	380	457	1200	220
ASF 110L12	12" flg	2" flg	11000	800	810	1533	500	380	457	1200	225
ASF 198L10	10" flg	2" flg	19800	600	980	1838	605	460	614	1500	410
ASF 198L12	12" flg	2" flg	19800	800	980	1838	605	460	614	1500	415
ASF 198L16	16" flg	2" flg	19800	1400	980	1838	605	460	614	1500	435

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