



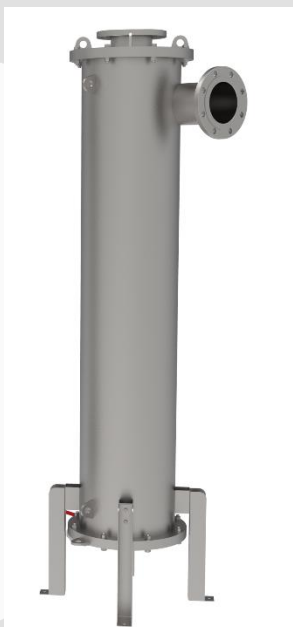
AHC filters

Brochure



Solid ideas made in steel

AHC filters



The liquid-solid separator filter with High Efficiency and limited pressure loss.

- High efficiency to remove sand and heavy suspended solids
- No interruption flow
- No filtration screen or internal moving parts
- Zero maintenance
- Very low water loss

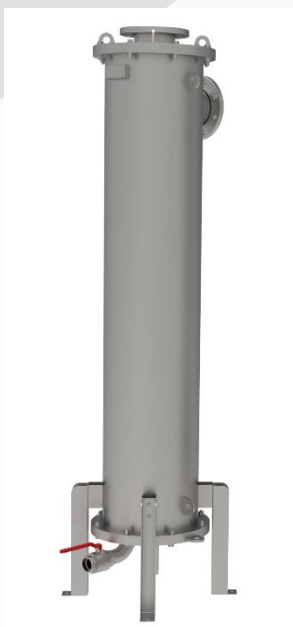
Alfa Water AHC filters are centrifugal separator used widely in different industry especially for cooling tower. They can remove 98% of sand and/or suspended solids size larger than 50 μm .

AHC filters support flow rates of up to 2750 m³/h (12100 US gpm), with different range of inlet/outlet flanged connections between 2" and 20".

AHC filters can be integrated with automatic drain valve.

Il filtro separatore di liquido-solido con alta efficienza e limitata perdita di carico.

- Alta efficienza per rimuovere sabbia e pesanti solidi sospesi
- Continuità di flusso
- Nessuna rete filtrante o parti interni in movimento
- Zero manutenzione
- Ridotto volume d'acqua scaricato durante la pulizia



I filtri Alfa Water AHC separatori centrifughi ampiamente utilizzati in diversi campi industriali, soprattutto nelle torri di raffreddamento.

Rimuovono il 98% di sabbia e/o solidi sospesi di dimensione maggiore di 50 μm .

I filtri AHC trattano portate fino a 2750 m³/h (12100 US gpm), con gamma di connessioni flangiate di ingresso/uscita tra 2" e 20".

I filtri AHC possono essere integrati con valvola di scarico automatica.

TECHNICAL DATA - DATI TECNICI

Filter size - Taglia filtro	AHC L11/2	AHC L2	AHC L3	AHC L4	AHC L6
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General data - Dati generali

Inlet/outlet diameter Diametro connessioni IN/OUT	1"½ flanged EN 1092-1	2" flanged EN 1092-1	3" flanged EN 1092-1	4" flanged EN 1092-1	6" flanged EN 1092-1
Max flow rate Portata massima	20 m³/h 88 US gpm	30 m³/h 132 US gpm	70 m³/h 308 US gpm	120 m³/h 528 US gpm	280 m³/h 1232 US gpm
Min flow rate Portata minima	10 m³/h 44 US gpm	20 m³/h 88 US gpm	30 m³/h 132 US gpm	60 m³/h 264 US gpm	120 m³/h 528 US gpm
Max working pressure Pressione massima	10 bar 145 psi				
Max working temperature Temperatura massima	60 °C 140 °F				

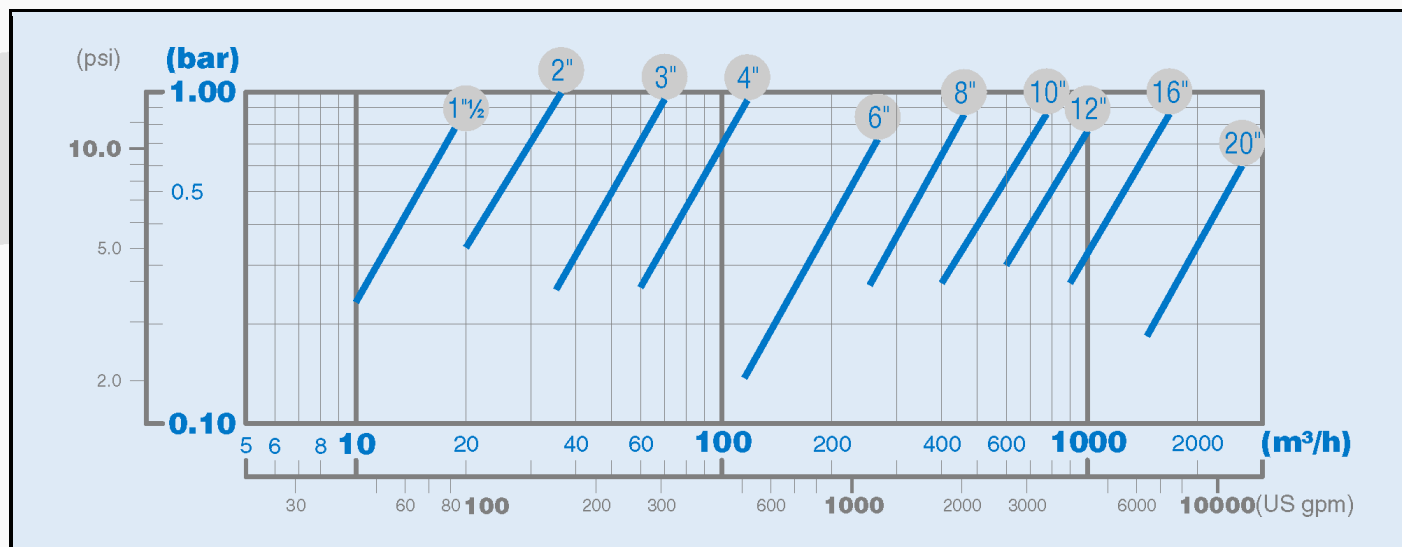
Filter size - Taglia filtro	AHC L8	AHC L10	AHC L12	AHC L16	AHC L20
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Inlet/outlet diameter Diametro connessioni IN/OUT	8" flanged EN 1092-1	10" flanged EN 1092-1	12" flanged EN 1092-1	16" flanged EN 1092-1	20" flanged EN 1092-1
Max flow rate Portata massima	450 m³/h 1980 US gpm	750 m³/h 3300 US gpm	1000 m³/h 4400 US gpm	1600 m³/h 7040 US gpm	2750 m³/h 12100 US gpm
Min flow rate Portata minima	250 m³/h 1100 US gpm	400 m³/h 1760 US gpm	600 m³/h 2640 US gpm	900 m³/h 3960 US gpm	1400 m³/h 6160 US gpm
Max working pressure Pressione massima	10 bar 145 psi				
Max working temperature Temperatura massima	60 °C 140 °F				

Materials - Materiali

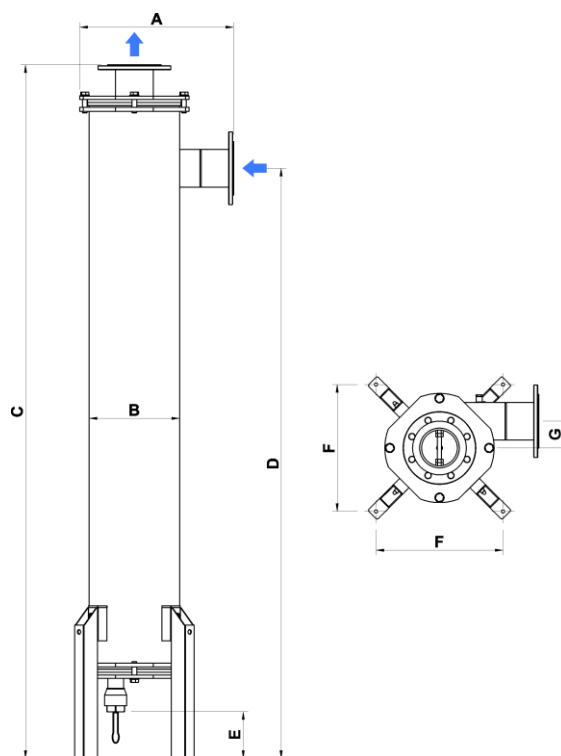
Filter Body Corpo filtro	Painted FeC / AISI 304 / AISI 316
Cover Coperchio	Painted FeC / AISI 304 / AISI 316
Body support Supporto corpo	AISI 304 / AISI 316
Gasket Guarnizioni	EPDM

Head loss - Perdite di carico



DIMENSIONS - DIMENSIONI

Shape L - Forma L



Filter Model Modello filtro	In/Out Conn.	Drain Conn.	Min Flow rate [m ³ /h]	Max Flow rate [m ³ /h]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight [Kg]
AHC L1½	1"½ flg	1" thrdF	10	20	280	140	1200	950	200	280	45	30
AHC L2	2" flg	1" thrdF	20	30	330	168	1400	1150	200	300	55	35
AHC L3	3" flg	1" thrdF	30	70	380	219	1750	1500	250	350	65	55
AHC L4	4" flg	1" thrdF	60	120	460	273	2050	1800	250	400	80	100
AHC L6	6" flg	2" thrdF	120	280	590	406	2400	2100	300	710	120	220
AHC L8	8" flg	2" thrdF	250	450	700	508	2600	2250	150	600	145	290
AHC L10	10" flg	2" thrdF	400	750	800	610	3000	2650	150	705	165	450
AHC L12	12" flg	2" thrdF	600	1000	900	711	3500	3100	150	810	190	550
AHC L16	16" flg	2" thrdF	900	1600	1100	914	4700	4250	150	1020	250	1100
AHC L20	20" flg	2" thrdF	1400	2750	1200	1016	5600	5100	150	1120	250	1900