



ABK filters

Brochure



Solid ideas made in steel

ABK filters



The pre-filtration strainer with reusable stainless steel basket designed for long life.

- Stainless steel housing and basket
- Reusable baskets
- No mechanical moving parts
- Easy to install, maintain and clean basket

Alfa Water ABK filters can support flow rates of up to 600 m³/h (2642 US gpm) with five sizes of screens up to 8100 cm², with basket screens covering the range of filtration degree between 100 µm to 5000 µm and with different range of inlet/outlet flanged connections between 2" and 10".

ABK filter is provided with supporting legs, manual drain valve, manual vent valve and pressure gauges.

ABK filters can be equipped with a magnetic kit to capture any particulate metal present in the water.

Il pre-filtro manuale con cestello riutilizzabile in acciaio inox progettato per lunga durata.

- Corpo e cestello in acciaio inox
- Cestelli riutilizzabili
- Nessuna parte meccanica in movimento
- Facile da installare, facile manutenzione e pulizia cestello

I filtri Alfa Water ABK sono in grado di trattare portate fino a 600 m³/h (2642 US gpm) con cinque taglie di cestelli con area filtrante fino a 8100 cm², coprendo un range di filtrazione tra 100 µm e 5000 µm e connessioni flangiate di ingresso e di uscita disponibili da 2" a 10".

I filtri ABK vengono forniti completi di piedi di supporto, valvola manuale di svuotamento, valvola manuale di sfiato e manometri.

I filtri ABK possono essere integrati con un kit di magneti per captare eventuale particolato metallico presente nell'acqua.

TECHNICAL DATA - DATI TECNICI

Filter size - Taglia filtro	16	23	35	55	81
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General data - Dati generali

Inlet/outlet diameter Diametro connessioni IN/OUT	2" / 3" / 4" flanged EN 1092-1	3" / 4" / 6" flanged EN 1092-1	4" / 6" / 8" flanged EN 1092-1	4" / 6" / 8" flanged EN 1092-1	6" / 8" / 10" flanged EN 1092-1
Max flow rate(*) Portata massima	100 m³/h 440 US gpm	180 m³/h 793 US gpm	270 m³/h 1189 US gpm	390 m³/h 1717 US gpm	600 m³/h 2642 US gpm
Max working pressure Pressione massima	10 bar 145 psi				
Max working temperature Temperatura massima	80 °C 140 °F				

(*)Flow rates are referred to filters with 100 µm filtering mesh and water with temperature of 20 °C and NTU < 1
Le portate sono riferite a rete filtrante da 100 µm e acqua con temperatura di 20 °C

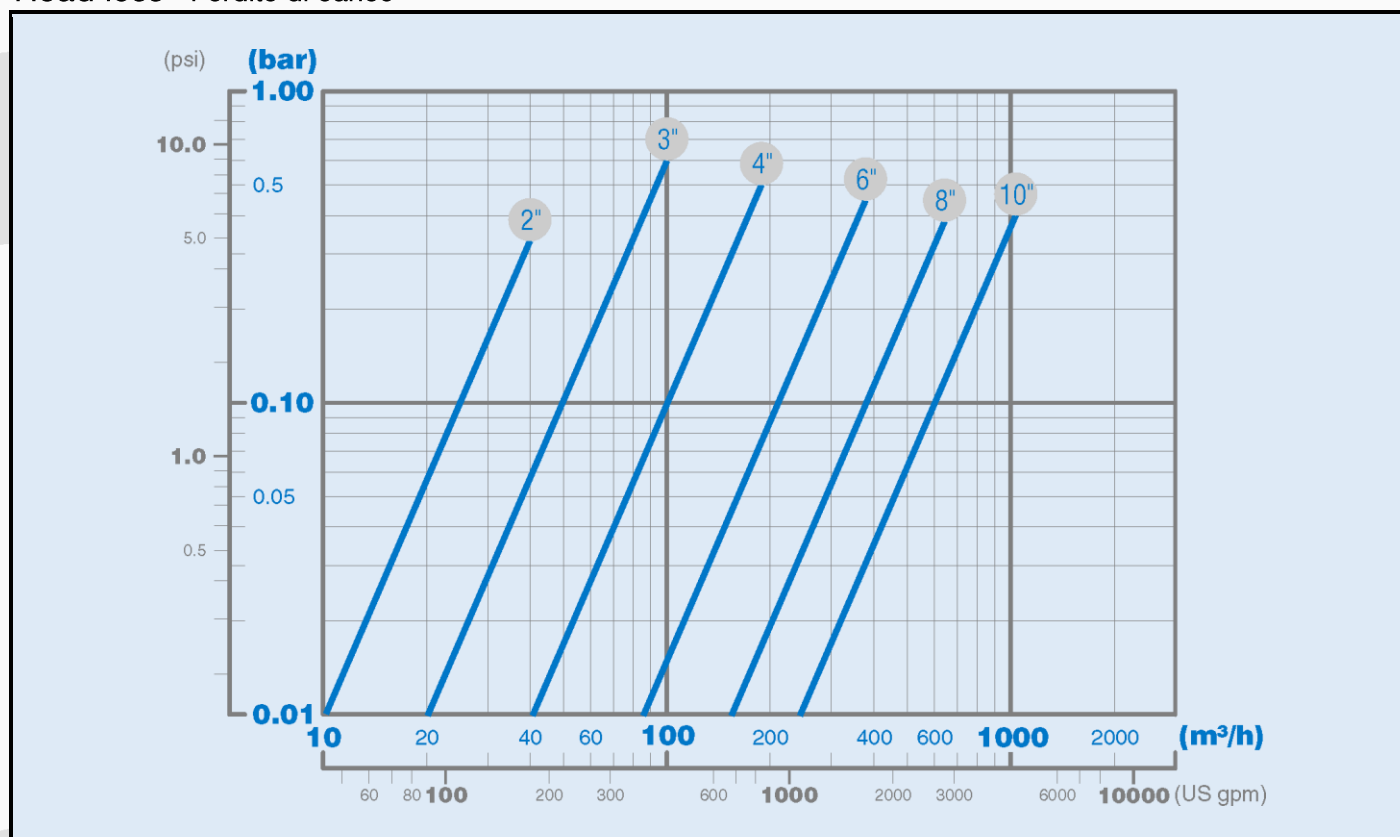
Screen elements - Elementi filtranti

Screen Area Area filtrante	1600 cm² 248 in²	2300 cm² 357 in²	3500 cm² 543 in²	5500 cm² 853 in²	8100 cm² 853 in²
Filtration degrees Gradi di filtrazione	5000 / 2000 / 1000 / 500 / 200 / 100 µm				
Screen types Tipologia elementi filtranti	Basket: Perforated sheet or Multi-layers in Stainless Steel AISI 316 Cestello: lamiera forata o multi strato in Acciaio inox AISI 316				

Materials - Materiali

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

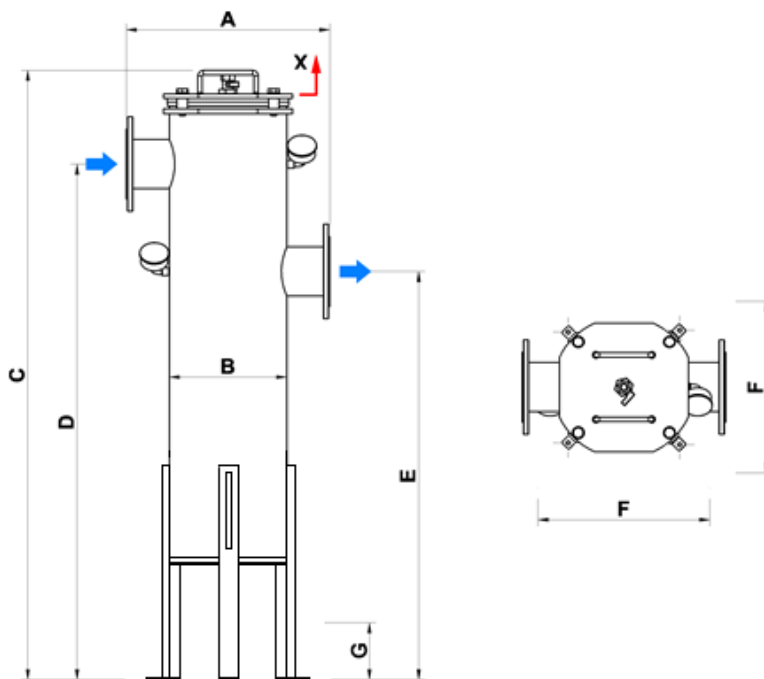
Head loss - Perdite di carico



Head losses are referred to filters with 100µm filtrating mesh and clean water – Perdite di carico riferite a filtri con rete filtrante da 100µm e acqua pulita

DIMENSIONS - DIMENSIONI

Shape Z – Forma Z



Filter Model Modello filtro	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]	F [mm]	G [mm]	X [mm]	Weight [Kg]
ABK 16Z2	2" flg	1" thrdF	1600	30	405	206	950 1050	700 800	450 550	250	100 200	400	37
ABK 16Z3	3" flg	1" thrdF	1600	60	405	206	950 1050	700 800	450 550	250	100 200	400	38
ABK 16Z4	4" flg	1" thrdF	1600	100	405	206	950 1050	700 800	450 550	250	100 200	400	39
ABK 23Z3	3" flg	1" thrdF	2300	60	405	206	1150 1250	900 1000	500 600	250	100 200	600	42
ABK 23Z4	4" flg	1" thrdF	2300	100	405	206	1150 1250	900 1000	500 600	250	100 200	600	45
ABK 23Z6	6" flg	1" thrdF	2300	180	405	206	1150 1250	900 1000	500 600	250	100 200	600	48
ABK 35Z4	4" flg	1" thrdF	3500	100	475	273	1200 1300	950 1050	650 750	250	100 200	600	47
ABK 35Z6	6" flg	1" thrdF	3500	220	475	273	1200 1300	950 1050	650 750	250	100 200	600	50
ABK 35Z8	8" flg	1" thrdF	3500	270	475	273	1200 1300	950 1050	650 750	250	100 200	600	55

Filter Model Modello filtro	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]	F [mm]	G [mm]	X [mm]	Weight [Kg]
ABK 55Z4	4" flg	1" thrdF	5500	100	475	273	1500 1600	1250 1350	950 1050	250	100 200	900	55
ABK 55Z6	6" flg	1" thrdF	5500	220	475	273	1500 1600	1250 1350	950 1050	250	100 200	900	60
ABK 55Z8	8" flg	1" thrdF	5500	390	475	273	1500 1600	1250 1350	950 1050	250	100 200	900	65
ABK 81Z6	6" flg	1" thrdF	8100	220	650	406	1700	1300	650	450	150	900	95
ABK 81Z8	8" flg	1" thrdF	8100	390	650	406	1700	1300	650	450	150	900	100
ABK 81Z10	10" flg	1" thrdF	8100	600	650	406	1700	1300	650	450	150	900	105

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