C SERIES ANGLE SCREEN FILTERS

F03-C-FT-001

Product data sheet · Metal and automatic filters

Angle filters with metal screen, from 2" to 6", with inlet and outlet at 90°. Single cartridge, or double cartridge for two-stage filtration. Working pressure up to 8 or 10 bar depending on the model.



Technical data

Body	S235JR steel (stainless steel AISI 304 or 316 on request)
Cartridge	PVC-U frame (DIN 8061-8062), stainless steel AISI 304 screen; stainless steel perforated sheet from 6"
Seals	EPDM
Surface treatment	Pickling, phosphating and polyester powder coating (epoxy coating suitable for drinking water on request)
Maximum working pressure	8 bar (10 bar for the 6" super)
Connections	BSP female threaded, DIN 2576 PN10 flanges, grooved on request
Screen	40 mesh (470 µm), 50 mesh (400 µm), 60 mesh (320 µm), 80 mesh (220 µm), 120 mesh (140 µm), 140 mesh (115 µm), 160 mesh (90 µm) or 180 mesh (80 µm); other filtration grades on request

Description

C series filters are suitable for water with a low load of suspended mineral particles, such as sand. They are also used as safety filters after primary filtration (sand filter, hydrocyclone).

The inlet and the outlet form a 90° angle. The water enters the filter, passes through the cartridge and leaves filtered. The particles remain on the screen.

Two versions are available:

- single cartridge;
- double cartridge: a second cartridge placed inside the first one provides two-stage filtration.

Specifications by model

Code	Inlet / outlet	Connection	Filtration area (cm^2)	Min. flow rate (m^3/h)	Max. flow rate (m^3/h)	PN (bar)
Single cartridge						
05-02-200	2"	TF, F, G	972	15	23	8
05-02-202	2" long	TF, F, G	2088	15	30	8
05-02-250	2" 1/2	TF, F, G	1634	22	35	8
05-02-300	3"	TF, F, G	2088	28	40	8
05-02-400	4"	TF, F, G	2350	40	75	8

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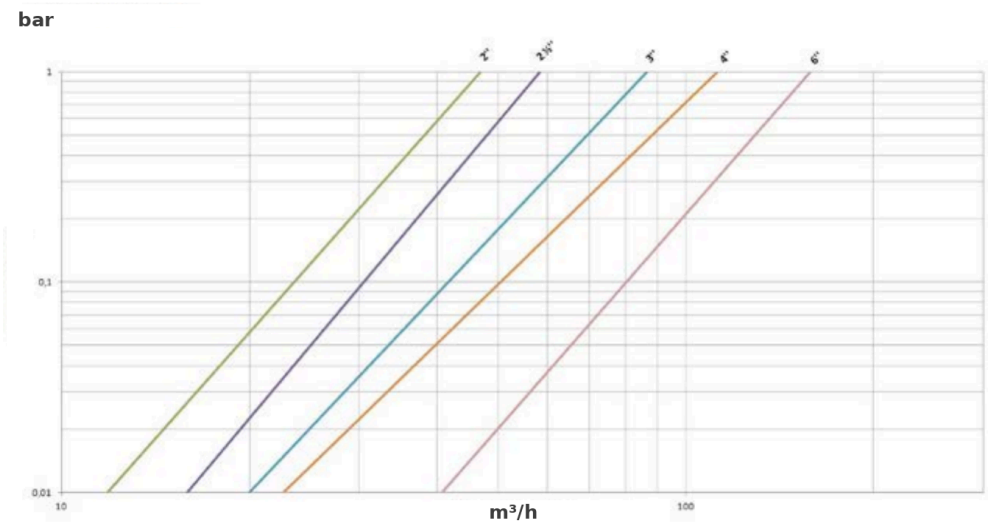
Code	Inlet / outlet	Connection	Filtration area (cm²)	Min. flow rate (m³/h)	Max. flow rate (m³/h)	PN (bar)
05-02-403	4" super (750)	F, G	3525	55	90	8
05-02-600	6" super	F, G	4095	80	150	10
Double cartridge						
05-02-203	2"	TF, F, G	1651	15	23	8
05-02-201	2" long	TF, F, G	3432	15	30	8
05-02-303	3"	TF, F, G	3432	28	40	8
05-02-301	3" super	TF, F, G	4632	28	50	8
05-02-401	4"	TF, F, G	4632	40	75	8

Connection: TF = BSP female threaded, F = DIN 2576 PN10 flanges, G = grooved (on request).

Other version (on request)

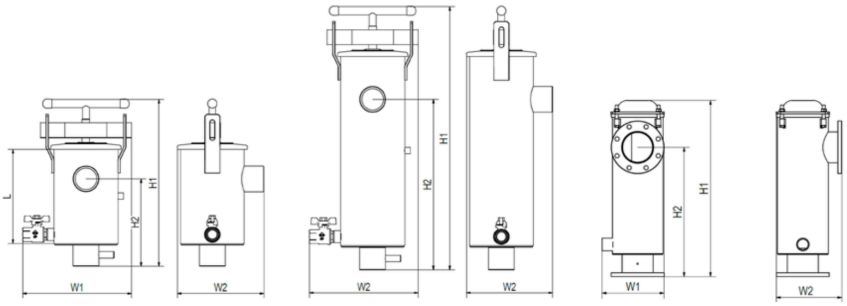
Code	Inlet / outlet
Double cartridge	
05-02-406	4"

Performance



Pressure loss (bar) according to flow rate (m³/h), 120 mesh screen

Dimensions



Dimensions L, H1, H2, W1 and W2

Dimensions and weight

Code	Inlet / outlet	L (mm)	H1 (mm)	H2 (mm)	W1 (mm)	W2 (mm)	Weight (kg)
Single cartridge							
05-02-200	2"	250	440	230	290	227	10.5
05-02-202	2" long	500	700	445	290	227	17.0
05-02-250	2" 1/2	400	600	360	290	233	15.6
05-02-300	3"	500	700	450	290	235	18.5
05-02-400	4"	500	730	450	290	300	24.3
05-02-403	4" super (750)	750	980	720	290	240	33.3
05-02-600	6" super	750	960	700	335	355	54.1
Double cartridge							
05-02-203	2"	250	440	230	290	227	12.0
05-02-201	2" long	500	700	445	290	227	19.6
05-02-303	3"	500	700	450	290	235	21.3
05-02-301	3" super	750	980	710	290	265	33.8
05-02-401	4"	500	730	450	290	300	28.0

Installation

Install the filter in the direction of the arrow shown on the body.

Maintenance

Cleaning is manual: remove the lid, take out the cartridge and clean it.

Clean the cartridge when the pressure loss is 0.5 bar higher than the pressure loss measured with a clean cartridge.

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