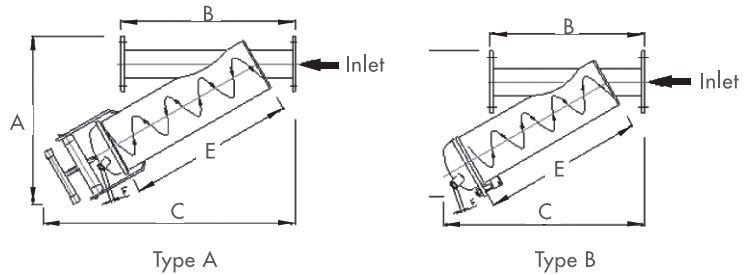


Pentaflus Filtrazione S.r.l.

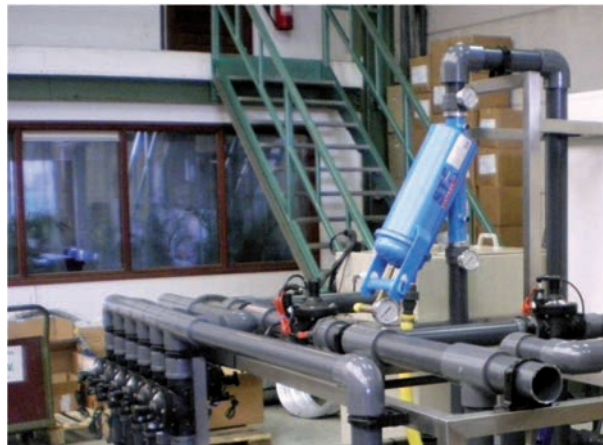
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Y pattern steel filters with cyclone effect



Model	Connection	Filtering surface (cm ²)	PVC & Disc cartridge flow rate (m ³ /h)	St. Steel cartridge flow rate (m ³ /h)	Dimensions (mm)				Type	Weight (kg.)
					A	B	C	D		
FY-2-CIC	Thread 2"	1498	38	38	488	450	693	377	A	14
FY-3-CIC	Flange 3"	2004	55	55	583	495	837	502		21
FY-4-CIC	Flange 4"	3120	65	65	672	695	1.004	659		41
FY-5-CIC	Flange 5"	3120	65	65	672	695	1.004	659	B	42
FY-6-CIC	Flange 6"	5456	115	115	938	725	1.003	895		66

Note: Other filtration degrees available on demand.



Standard technical data

- Manufacturing materials:
 - _ Carbon steel housing
 - _ Joints and bolts bichromate quality 5.6 and 5.8
 - _ PVC cartridge with molded plastic tube that supports an AISI 316 stainless steel screen for filtration degrees up to 125 microns.
 - _ AISI 304 stainless steel cartridge with a 2 mm coarse screen
- Surface treatment:
 - _ Surface blasting up to degree SA 2 1/2
 - _ Epoxy-polyester powder coating
- Maximum working pressure: 10 bar (Ask STF-Filtros for other working pressures availability)

Note: Other non-standard specifications on demand.

Operation principle

- In metallic filters Y pattern, cyclonic effect, three processes are carried out to improve the filtration efficiency:
 - _ Coarse particles are separated by centrifugal effect.
 - _ Filtration through the stainless steel screen
 - _ Cartridge continuous backwashing, which is produced by the incidence of pressurized water in helical trajectory throughout the filtering cartridge surface.