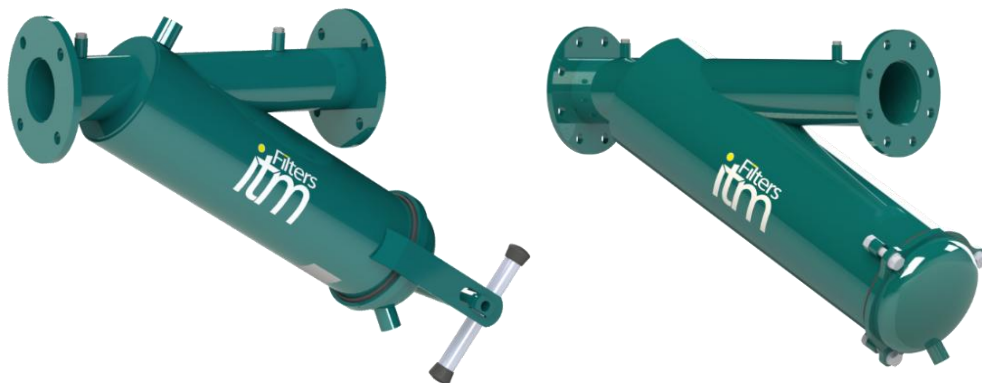




DATA SHEET

METALLIC MANUAL FILTER FY CYCLONIC EFFECT



1. Y FILTER – METALLIC CYCLONIC EFFECT (FY-EC)

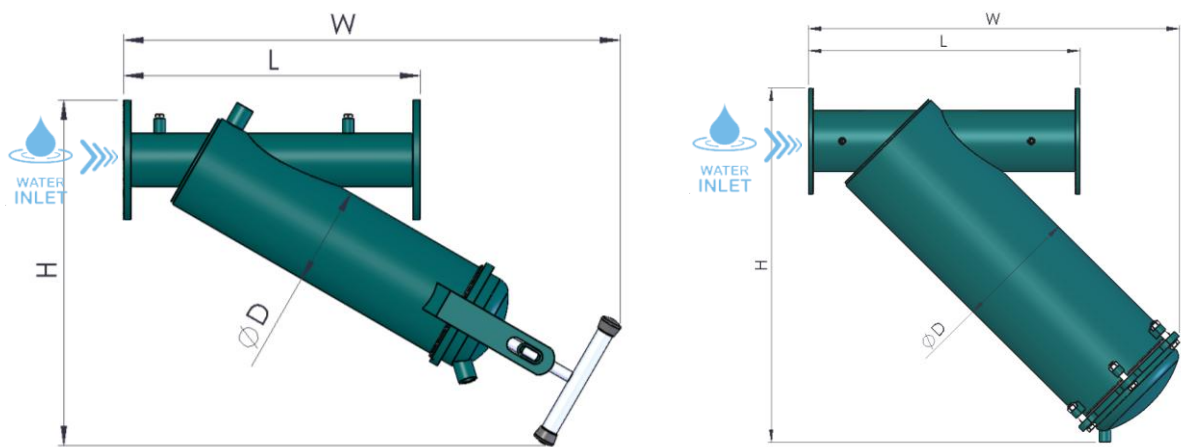


IMAGE 1

*Working pressure
máx. 10 kg/cm²*

MODEL	ØI/ØO	Flow (m ³ /h)	Filtration Surface (cm ²)	Net Weight (kg)	Filter opening	Dimensions (mm)			
		Mesh Cartridge (Drip)				ØD	L	H	W
FY-EC-2"-M	Male Thread 2"	39	1500	12	Wing Nut	165	450	503	672
FY-EC-3"-M	Flange 3"	57	2006	21	Wing Nut	165	495	577	830
FY-EC-4"-M	Flange 4"	66	3160	38	Screws	220	695	710	1139
FY-EC-5"-M	Flange 5"	66	3160	39	Screws	220	695	685	1005
FY-EC-6"-M	Flange 6"	120	5579	66	Screws	323	725	924	990

TABLE 1

*Ask about other pressures

Y Filter - Cyclonic Effect – Flow rates as a function of plugged orifices

- **Flows FY-2'' – CIC Differential pressure 0,5 kg/cm²**

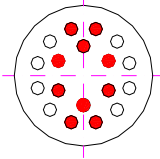
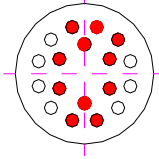
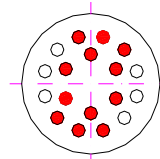
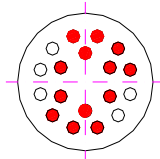
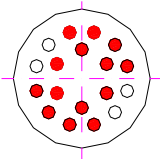
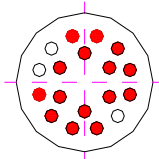
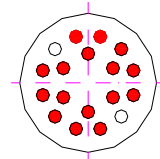
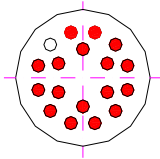
			
10 PLUGS Q = 26.8 m ³ /h	11 PLUGS Q = 21.6 m ³ /h	12 PLUGS Q = 18.5 m ³ /h	13 PLUGS Q = 14.7 m ³ /h
			
14 PLUGS Q = 12 m ³ /h	15 PLUGS Q = 8.5 m ³ /h	16 PLUGS Q = 6 m ³ /h	17 PLUGS Q = 2.5 m ³ /h

TABLE 2

- **Flows FY-3'' – CIC Differential pressure 0,5 kg/cm²**

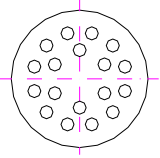
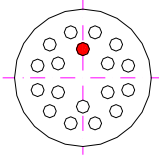
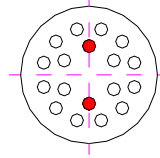
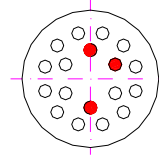
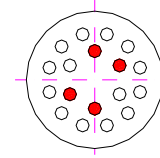
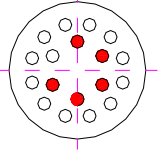
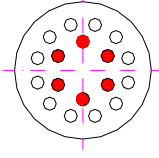
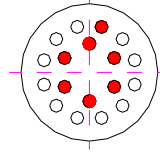
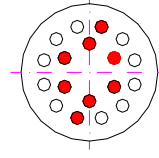
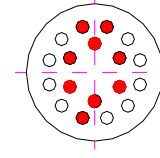
				
0 PLUGS Q = 52.5 m ³ /h	1 PLUGS Q = 50.5 m ³ /h	2 PLUGS Q = 49 m ³ /h	3 PLUGS Q = 46.8 m ³ /h	4 PLUGS Q = 42.9 m ³ /h
				
5 PLUGS Q = 40.3 m ³ /h	6 PLUGS Q = 36.6 m ³ /h	7 PLUGS Q = 34.2 m ³ /h	8 PLUGS Q = 30.7 m ³ /h	9 PLUGS Q = 28.5 m ³ /h

TABLE 3

• Flows FY-4'' and FY-5'' – CIC Differential pressure 0,5 kg/cm²

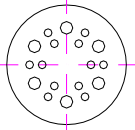
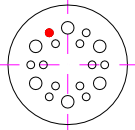
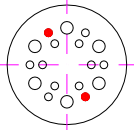
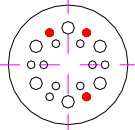
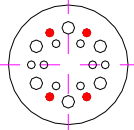
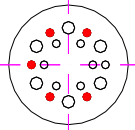
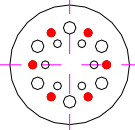
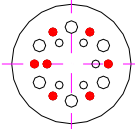
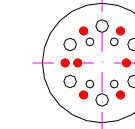
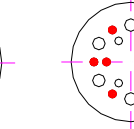
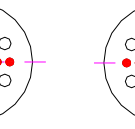
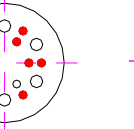
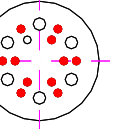
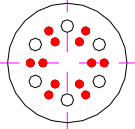
						
0 PLUGS Q=65m ³ /h	1 PLUGS Q=63m ³ /h	2 PLUGS Q=60m ³ /h	3 PLUGS Q=56.8m ³ /h	4 PLUGS Q=54.3m ³ /h	5 PLUGS Q=51.5m ³ /h	6 PLUGS Q=49m ³ /h
						
7 PLUGS Q=46.5m ³ /h	8 PLUGS Q=43.4m ³ /h	9 PLUGS Q=41.3m ³ /h	10 PLUGS Q=39m ³ /h	11 PLUGS Q=36m ³ /h	12 PLUGS Q=33.8m ³ /h	

TABLE 4

• Flows FY-6'' – CIC Differential pressure 0,5 kg/cm²

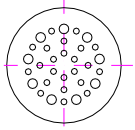
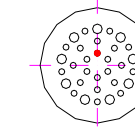
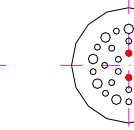
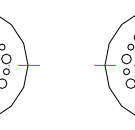
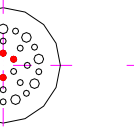
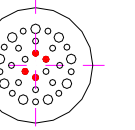
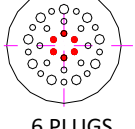
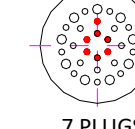
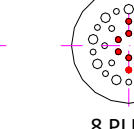
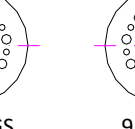
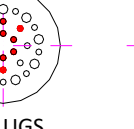
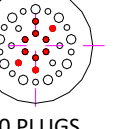
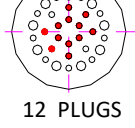
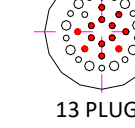
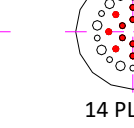
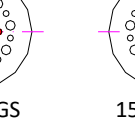
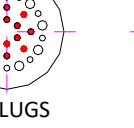
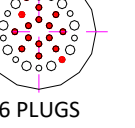
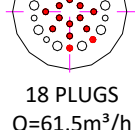
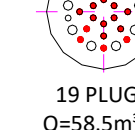
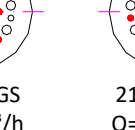
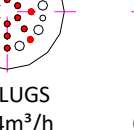
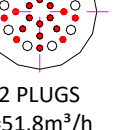
					
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6 PLUGS Q=92m ³ /h	7 PLUGS Q=90m ³ /h	8 PLUGS Q=86.3m ³ /h	9 PLUGS Q=83.8m ³ /h	10 PLUGS Q=80.9m ³ /h	11 PLUGS Q=77.3m ³ /h
					
12 PLUGS Q=75.8m ³ /h	13 PLUGS Q=72.9m ³ /h	14 PLUGS Q=70m ³ /h	15 PLUGS Q=68.9m ³ /h	16 PLUGS Q=66.5m ³ /h	17 PLUGS Q=63.8m ³ /h
					
18 PLUGS Q=61.5m ³ /h	19 PLUGS Q=58.5m ³ /h	20 PLUGS Q=57m ³ /h	21 PLUGS Q=54m ³ /h	22 PLUGS Q=51.8m ³ /h	23 PLUGS Q=49m ³ /h

TABLE 5

2. MANUFACTURING TECHNICAL CHARACTERISTICS

- Materials:
 - Carbon steel metal components.
 - Zinc plated screws 8.8.
 - Mesh cartridge : PVC structure with AISI-316 Stainless Steel. Filtration degree: 125 microns.
 - EPDM gaskets: 60 SHORE.
- Superficial treatment:
 - Surface shot blasting up to SA ½ grade.
 - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
 - Maximum operating temperature 50°C.



ITM WATER SYSTEMS, S.A.



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