



DATA SHEET

SELF-CLEANING MESH FILTER HYDRAULIC-100-V



1. General characteristics

*Working pressure
min. 2,5 kg/cm²
máx. 10 kg/cm²*



IMAGE 1

MODEL	ØI/ØO	Flow (m3/h)					Filtration surface (cm ²)	Water Consumption per Wash (l)	Net Weight (kg)
		Max. Flow	< 50ppm	50/100 ppm	100/200 ppm	Min. Flow			
HYDRAULIC-102-V	Flange 2"	53	26	19	11	1,26	1922	7	38
HYDRAULIC-103-V	Flange 3"	92	53	32	22	2,16	1922	12	48
HYDRAULIC-104-V-COMPACT	Flange 4"	133	65	45	25	2,16	1922	12	50
HYDRAULIC-104-V	Flange 4"	155	73	53	27	2,61	2804	14,5	63
HYDRAULIC-106-V-COMPACT	Flange 6"	195	86	65	42	2,61	2804	14,5	65
HYDRAULIC-106-V	Flange 6"	285	93	73	52	5,22	5608	29	87

TABLE 1

1.1. Manufacturing technical characteristics:

- Materials:
 - Carbon steel metal components.
 - Zinc plated screws 8.8.
 - Mesh cartridge : Plastic 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.
- Commercial components:
 - Battery powered programmer.

1.2. Dimensions

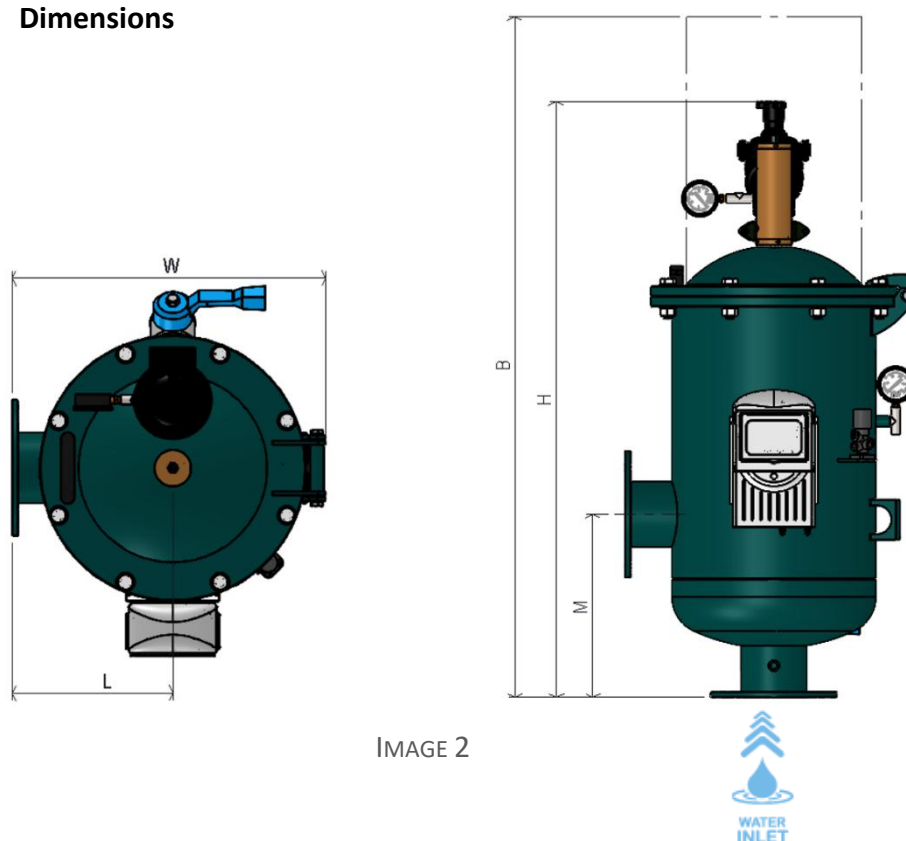


IMAGE 2

MODEL	Dimensions (mm)					General Data			
	M	L	H	W	B	Nozzle Units	ØAuto Flushing Valve	ØManual Exhaust Valve	Wash Time (s)
HYDRAULIC-102-V	250	220	1100	430	1163	3	1"	1"	20
HYDRAULIC-103-V	250	220	1100	430	1163	3	1-½"	1"	20
HYDRAULIC-104-V-COMPACT	250	220	1100	430	1163	3	1-½"	1"	20
HYDRAULIC-104-V	320	260	1040	520	1470	2	2"	1-½"	20
HYDRAULIC-106-V-COMPACT	320	260	1040	520	1470	2	2"	1-½"	20
HYDRAULIC-106-V	470	260	1327	520	1770	4	2"	1-½"	20

TABLE 2

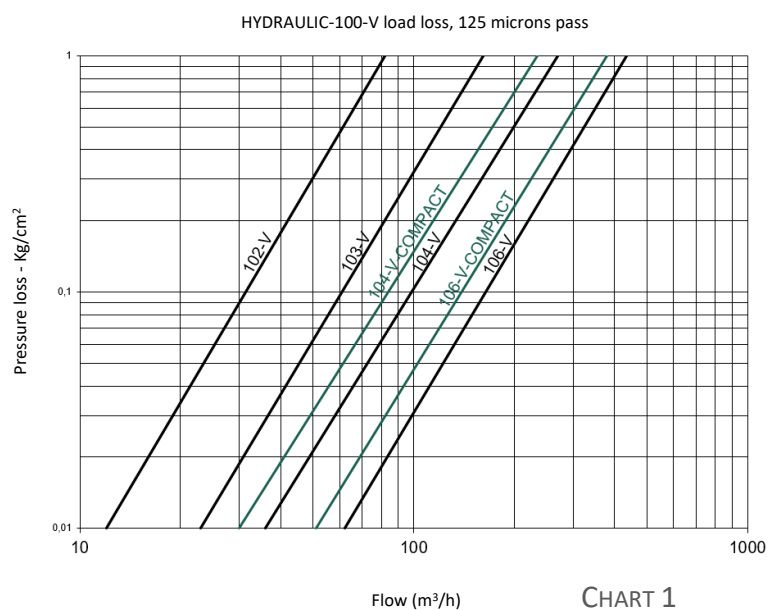


CHART 1

1.3. Hydraulic Circuit

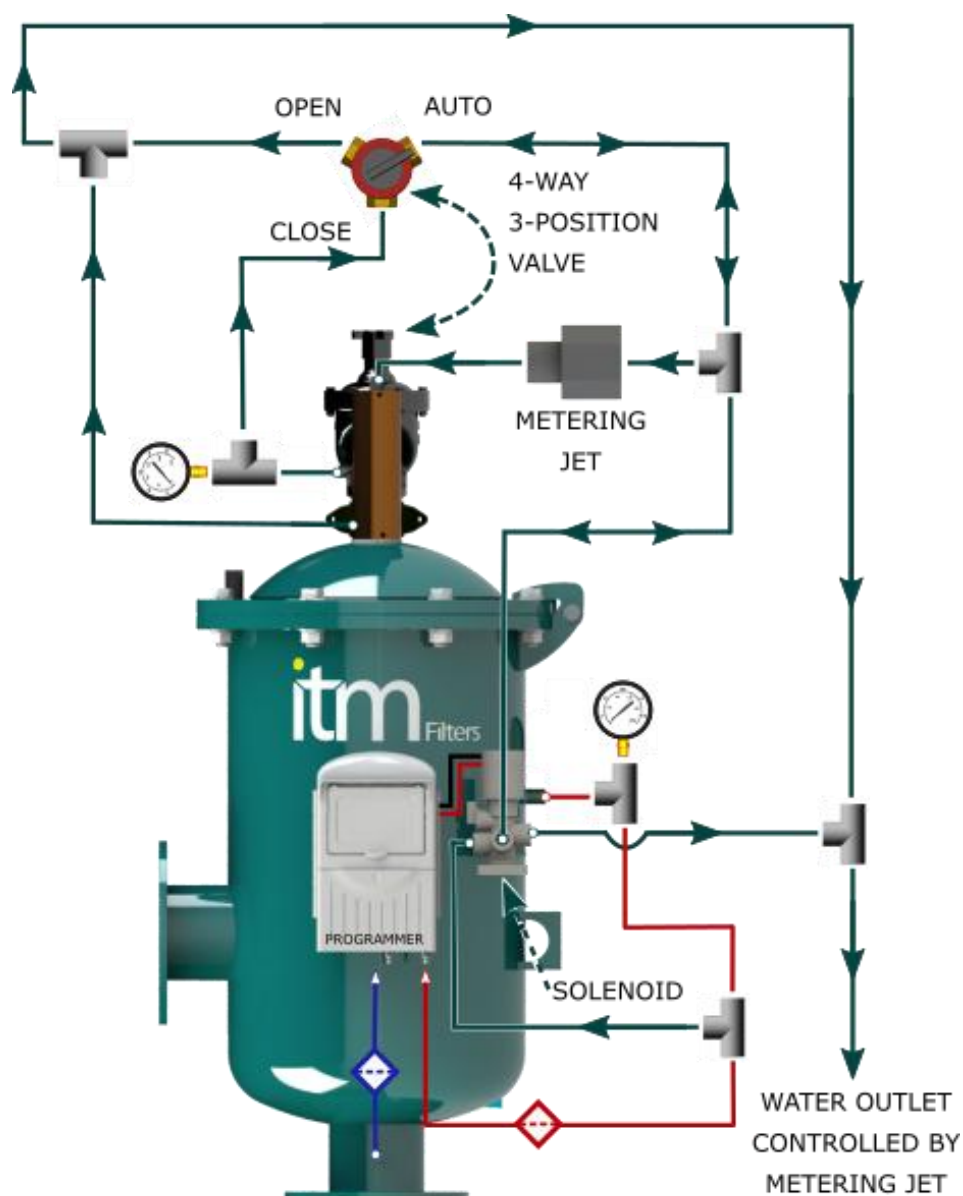


IMAGE 3

* During the filter operation, the 4-way 3-positions tap is closed. When the pressure at the water inlet and outlet reaches a difference of 0,3 kg/cm², the solenoid send a signal to open the tap and start the cleaning cycle.

* The 4-way tap has 3 positions:

- *AUTO* : filter operation with automatic cleaning.
- *OPEN* : cleaning cycle
- *CLOSE* : filter operation (without automatic cleaning)



Water Solutions



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