



---

DATA SHEET

---

SELF-CLEANING MESH FILTER  
HYDRAULIC-100-V



**1. General characteristics**

*Working pressure  
min. 2,5 kg/cm<sup>2</sup>  
máx. 10 kg/cm<sup>2</sup>*



IMAGE 1

MODEL	ØI/ØO	Flow (m3/h)					Gross filtration surface (cm <sup>2</sup> )	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	1,3	1922	7	38
HYDRAULIC-103-V	Flange 3"	92	53	32	22	2,2	1922	12	48
HYDRAULIC-104-V-COMPACT	Flange 4"	133	65	45	25	2,2	1922	12	50
HYDRAULIC-104-V	Flange 4"	155	73	53	27	2,7	2804	14,5	63
HYDRAULIC-106-V-COMPACT	Flange 6"	195	86	65	42	2,7	2804	14,5	65
HYDRAULIC-106-V	Flange 6"	285	93	73	52	5,3	5608	29	87

TABLE 1

**1.1. Manufacturing technical characteristics:**

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - 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

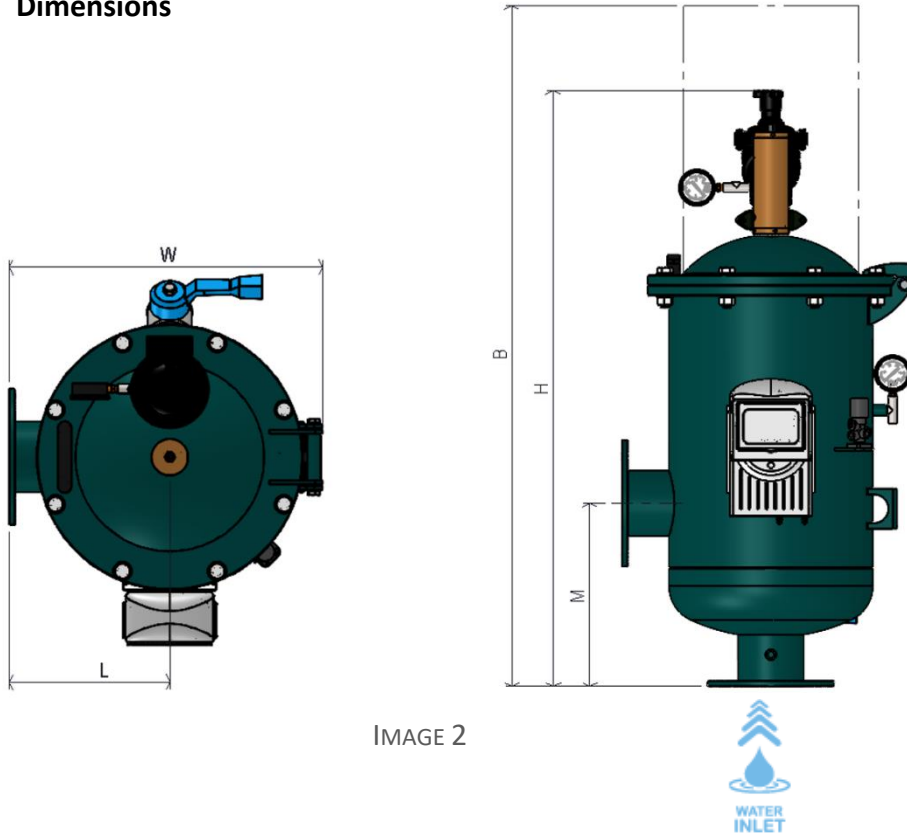


IMAGE 2



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

HYDRAULIC-100-V load loss, 125 microns pass

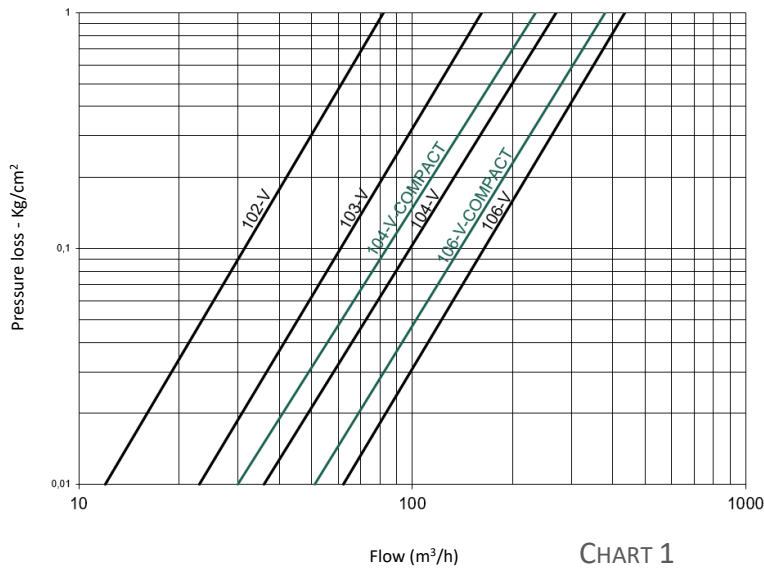


CHART 1

### 1.3. Hydraulic Circuit

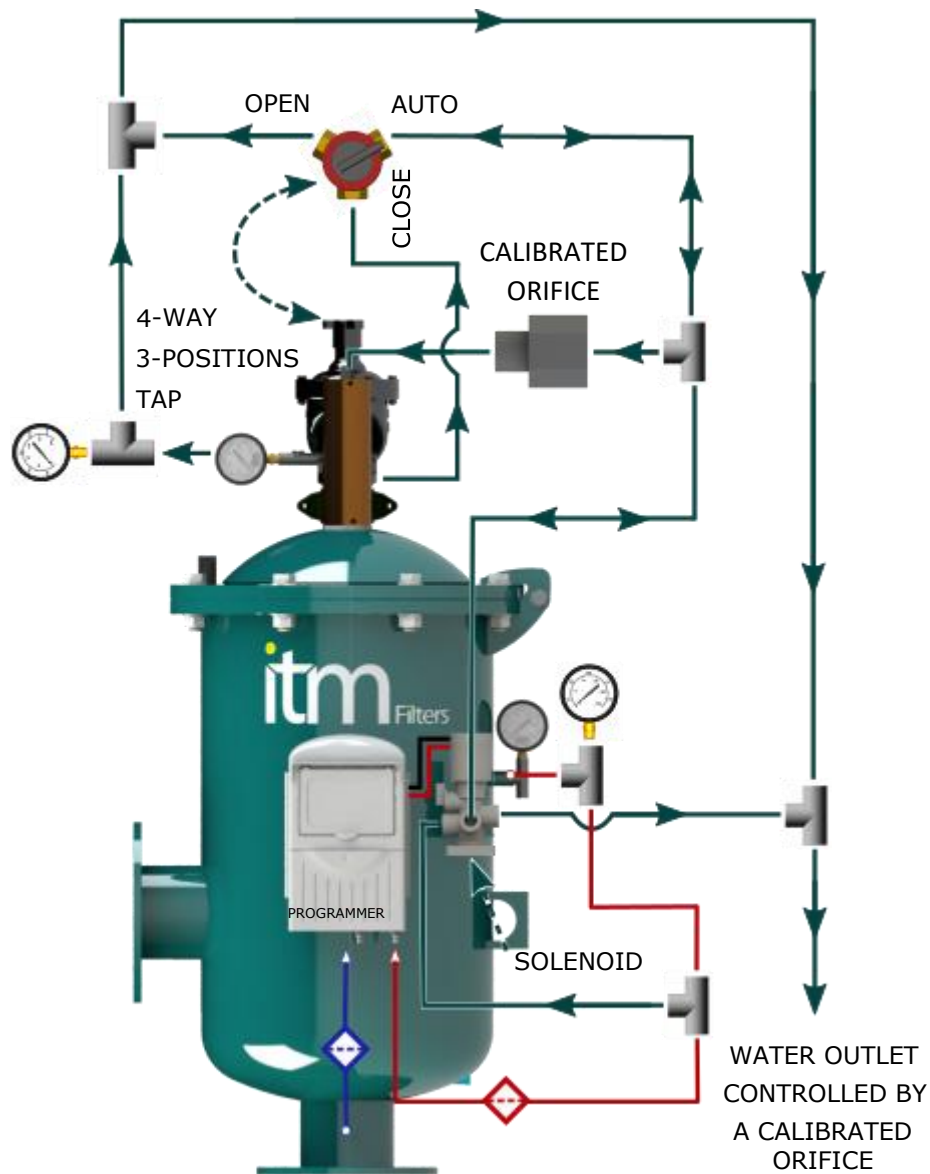


IMAGE 3

\* 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/cm<sup>2</sup>, 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



**INTRAMESA MZ S.A.**



**Polígono Armentera P-99  
22400 Monzón (Huesca)**

**[www.itmfilters.com](http://www.itmfilters.com)**

**[info@itmfilters.com](mailto:info@itmfilters.com)**

**Tel. 974 10 50 05**