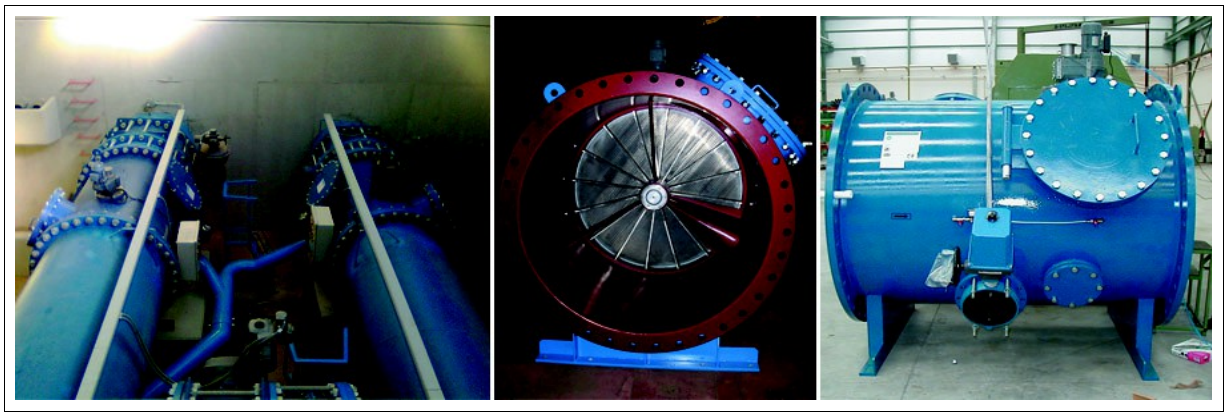
Self-Cleaning Filter FW



INTRODUCTION:

The **FW self-cleaning filter** is designed for the removal of solids with sizes from 2 mm in pressure pipe circuits. It is characterized by being inserted as an element of the pipe itself, with no interruptions in direct flow as in the case of the other models.

The cleaning is carried out continuously by sectors, allowing cleaning and filtering simultaneously. The use of fish shapes in the filter element allows high throughput speeds with low pressure drop. Backwash is achieved by the pressure difference between the cleaning pad and the downstream side of the filter, so it can be installed in the suction of the pumps, provided that the pumps are under load. (Positive pressure at suction point).

DESCRIPTION:

The **FW self-cleaning filter** has the following components:

- Filter crown: Composed of an outer ring and spokes. The filter element is fixed behind this part.
- Waste collector: Adjusts with the sectors of the filtering rim making a seal that causes a flow of water to flow against the current and clean the corresponding section continuously.
- Filter's body: The body is shaped like a flanged spool at both ends, with the back-flushing mouth, and the supporting legs.
- Drive motor gearmotor unit.
- Differential pressure switch, backwash valve and electrical panel.

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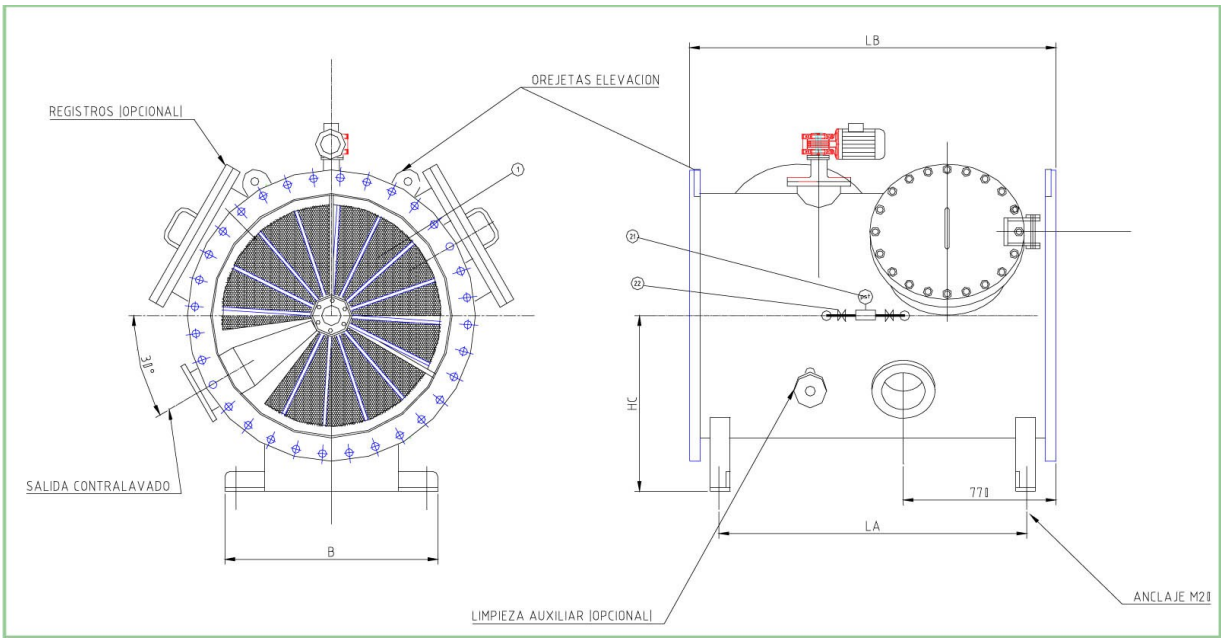
OPCIONALS:

- Auxiliary cleaning socket.
- Inspection records.

GENERAL DIMENSIONS:



MODELO	Diámetro Tubuladuras (mm)	Diámetro Virola (mm)	Potencia instalada (KW)	Caudal (m^3/s)
FW - 600	600	600	0,37	0,28
FW - 700	700	700	0,55	0,42
FW - 800	800	800	0,55	0,59
FW - 900	900	900	0,75	0,82
FW - 1000	1000	1000	0,75	1,08
FW - 1200	1200	1200	0,75	1,64
FW - 1400	1400	1400	0,75	2,32
FW - 1600	1600	1600	0,75	3,13
FW - 1800	1800	1800	0,75	4,12
FW - 2000	2000	2000	0,75	5,27
FW - 2200	2200	2200	0,75	6,41