

DLX ELECTRIC SUCKING SELF-CLEANING FILTER FW SERIES

PRINCIPLE DESCRIPTIONS

The water flows through the screen and the particles are retained on the inside of the screen of the filter element. The filtered water then flows out through the outlet.

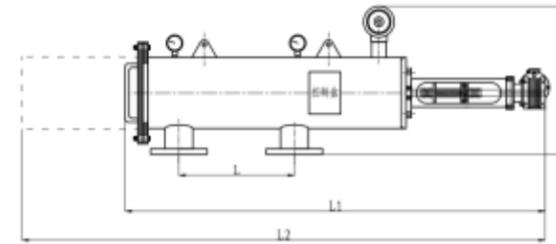
Self-cleaning mode can be started by pressing, timing or manual three ways, following the principle of pressure difference.

When the internal and external pressure difference(ΔP)reaches the set value, the self-cleaning mode starts. Drain pipe hydraulic valve open, sucking the scanner to produce negative pressure suction nozzle inside, absorbing impurities, at the same time sucking scanner in under hydraulic motor along the inside surface mesh do reciprocating screw, movement, no cleaning blind area, impurities by the discharge outlet.

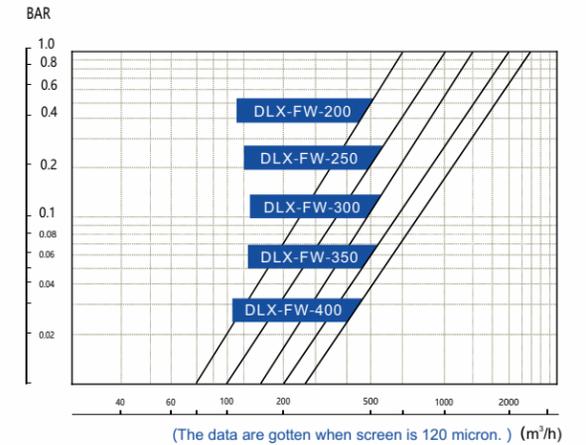
The cleaning time of self-cleaning filter is set by the controller in advance, the drain valve is closed after cleaning, and little water loss in cleaning process.



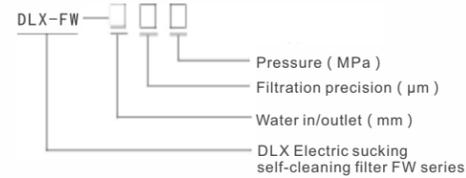
SIZE CHART



THE TABLE PRESSURE LOSS



MODEL CLARIFICATION



FILTER MATERIAL

Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Sucking scanner: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Sealing ring: EPDM rubber
Control box:PVC/Aluminium

* Various materials can be provided according to the user's requirements. Please consult CDFFS company for details.

TECHNICAL DATA TABLE

MODEL	WATER IN/OUTLET (mm)	L(mm)	L1(mm)	L2(mm)	H(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m³/h)	WEIGHT (Kg)
DLX-FW-80	80	450	1775	2475	493	40	0.25	50	180
DLX-FW-100	100	450	1775	2475	493	40	0.25	80	198
DLX-FW-150	150	900	2175	3175	545	50	0.25	150	328
DLX-FW-200	200	900	2175	3175	617	50	0.25	320	375
DLX-FW-250	250	1100	3110	4910	720	50	0.25	450	470
DLX-FW-300	300	1100	3110	4910	810	50	0.55	600	519
DLX-FW-350	350	1100	3110	4910	810	50	0.55	850	660
DLX-FW-400	400	1100	3110	4910	910	50	0.55	1200	708

* The actual flow is directly related to water quality and filtration precision. Please consult the company for details.

TECHNICAL PARAMETERS

Single maximum filter flow:1200m³/h

Filtration range:4000µm~20µm

Max working pressure≤16 bar(customized)

Min working pressure≥1 bar

Working temperature≤65℃

Power:380V/50Hz(customized)

Control way: Pressure difference/time/manually/PLC

Cleaning way: Sucking type

Cleaning time:10~200 seconds(optional)

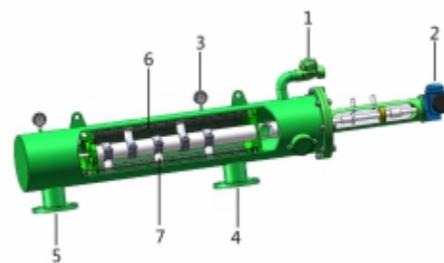
Drilling(4000~800µm)

Wedge(1000~50µm)

Woven composite(800~20µm)

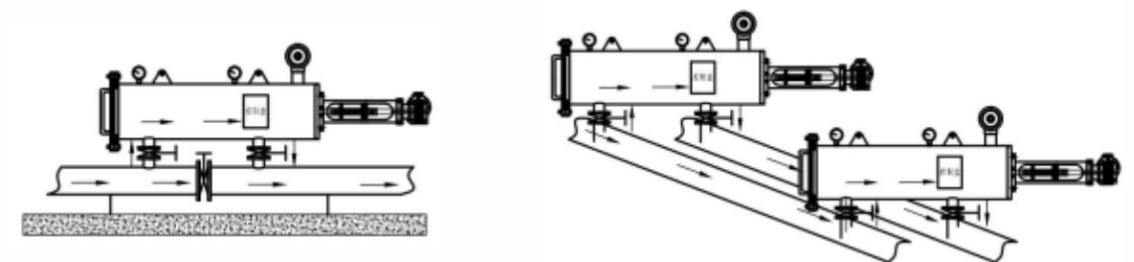
Motor power:0.18~1.5KW

PRODUCT STRUCTURE CHART



1. Automatic drain valve 2. Electric motor 3. Pressure gauge
4. Water outlet 5. Water inlet 6. Screen 7. Cleaning nozzle

INSTALLATION FIGURE



Single filter

Parallel filters

* Note: the arrow in the diagram is the direction of flow. Vertical or horizontal installation and multiple parallel are available.