

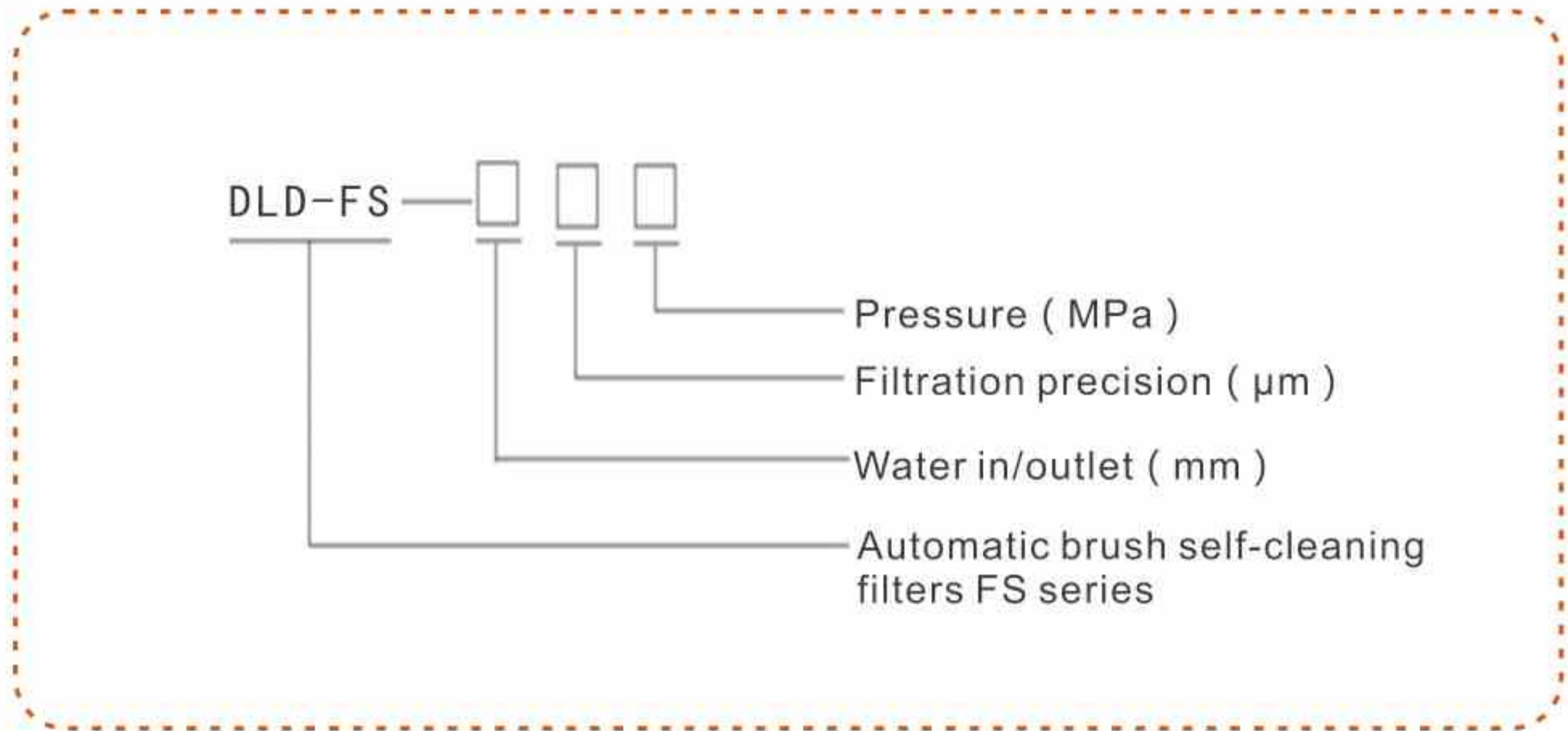
DLD ELECTRIC BRUSH SELF-CLEANING FILTER FS SERIES

PRINCIPLE DESCRIPTIONS

The water flows through the screen and the particles are retained on the screen of the filter element. The filtered water flows out through the outlet. When the particles accumulated to a certain number and the pressure differential increases to the pre-determined level, the flushing cycle starts. It includes two steps: First, the automatic drain valve opens on the drainage outlet. Then the electronic motor drives the cleaning brushes inside the screen and the solids are expelled through the drain valve. Filters continue to supply filtered water when back washing. The whole working system is controlled by controller which has several control modes: pressure differential, time, manual and PLC.



MODEL CLARIFICATION



FILTER MATERIAL

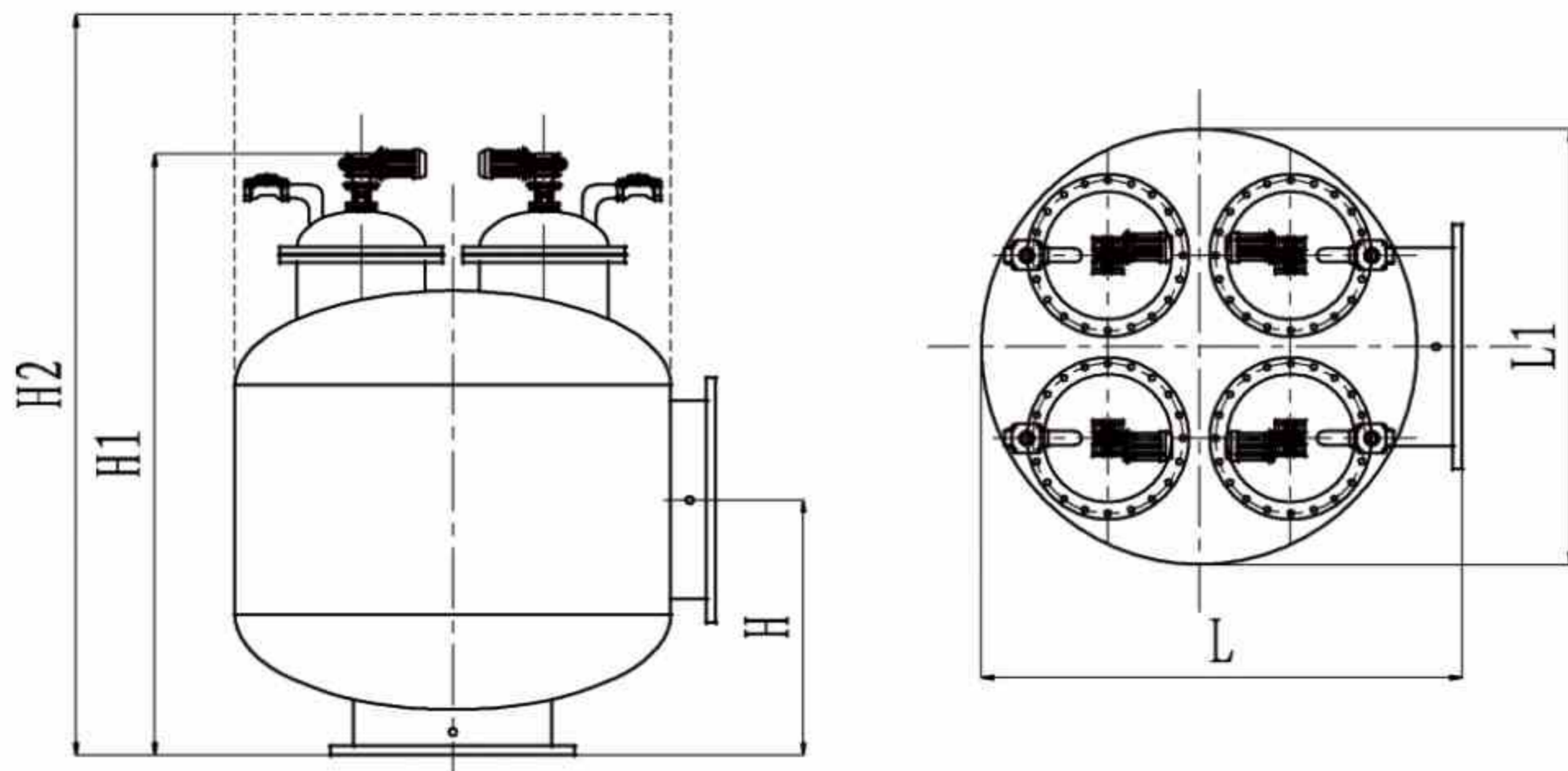
- Housing: carbon steel/304 stainless steel/316L
- Mesh: 304 stainless steel/316L
- Brush: 304 stainless steel/316L
- Drain valve: Casting iron, copper, stainless steel, nylon
- Control box: PVC/Aluminium
- Sealing ring: EPDM rubber
- Cleaning brush: stainless steel/nylon

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

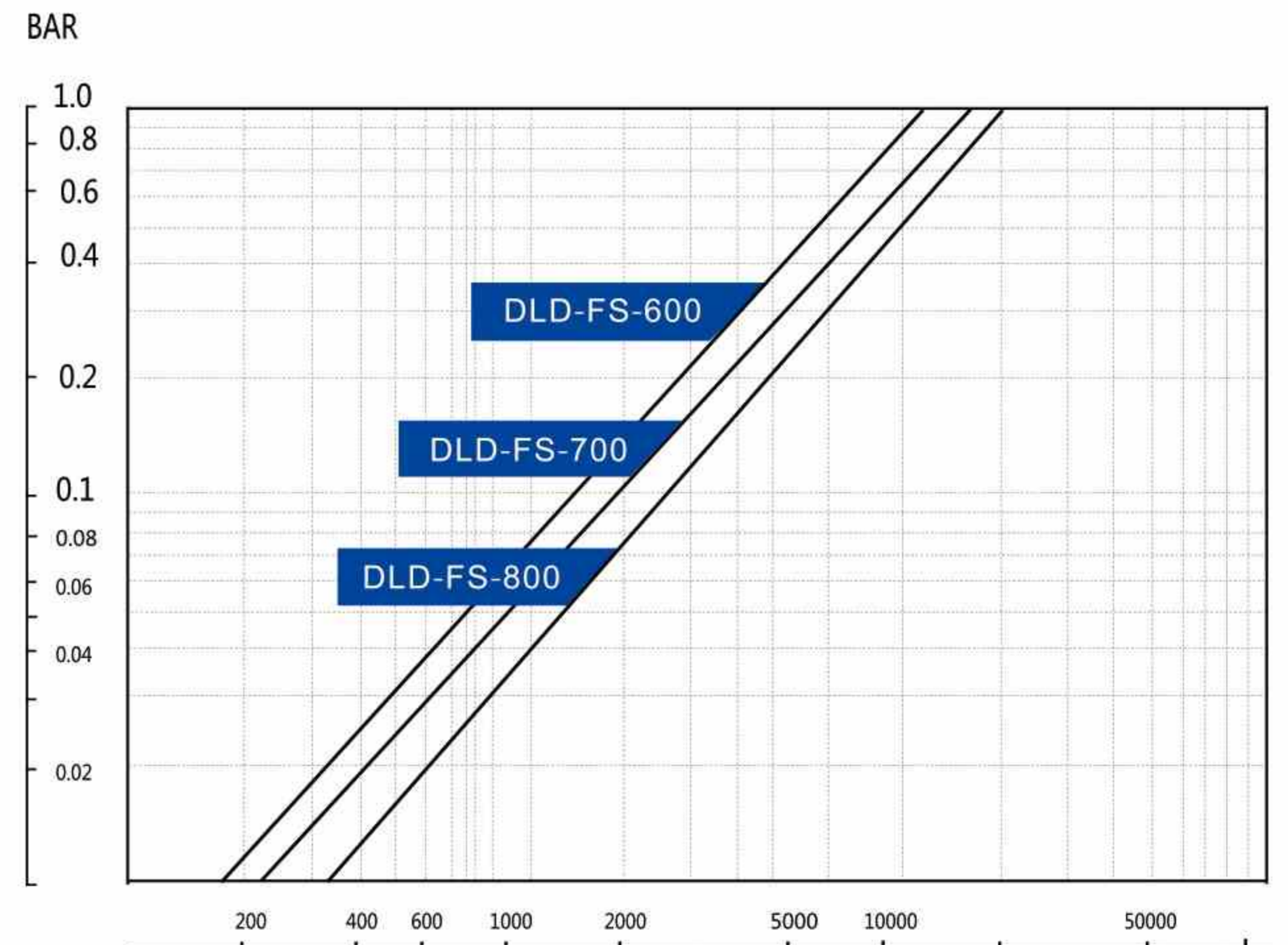
TECHNICAL PARAMETERS

Single maximum filter flow: 5000m ³ /h
Filtration range: 4000µm~20µm
Max working pressure ≤ 16 bar (customized)
Min working pressure ≥ 1 bar
Working temperature ≤ 85°C
Power: 380V/50Hz (customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time: 10~200 seconds (optional)
Drilling (4000~800µm)
Wedge (1000~50µm)
Woven composite (800~20µm)

SIZE CHART



THE TABLE PRESSURE LOSS



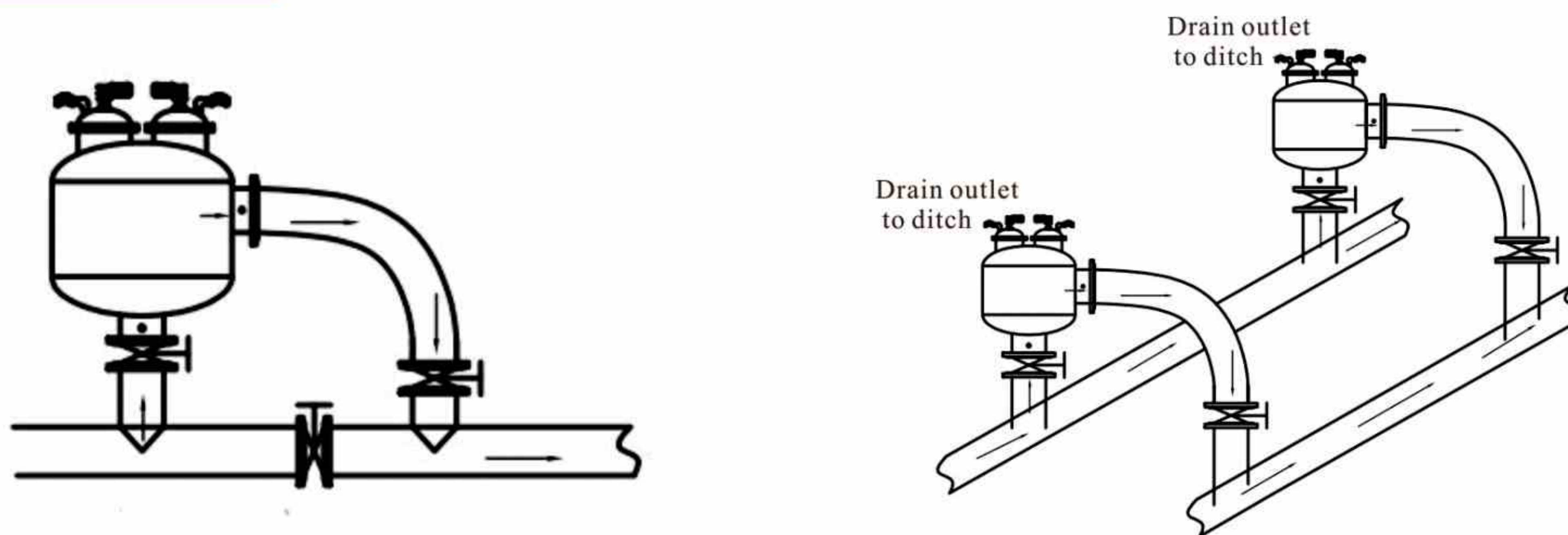
(The data are gotten when screen is 120 micron.) (m³/h)

TECHNICAL DATA TABLE

MODEL	WATER IN/OUTLET (mm)	L(mm)	L1(mm)	H(mm)	H1 (mm)	H2 (mm)	DRAIN OUTLET (mm)	FLOW (m ³ /h)	WEIGHT (Kg)
DLD-FS-600	600	1985	1600	880	2210	3250	60	2650	2365
DLD-FS-700	700	1985	1600	975	2386	3340	65	3580	2855
DLD-FS-800	800	2145	1800	1053	2490	3690	80	5000	3310
DLD-FS-900	900	2145	1800	1255	2698	3900	80	6400	4220

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

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.