

# DLD ELECTRIC BRUSH SELF-CLEANING FILTER FY SERIES

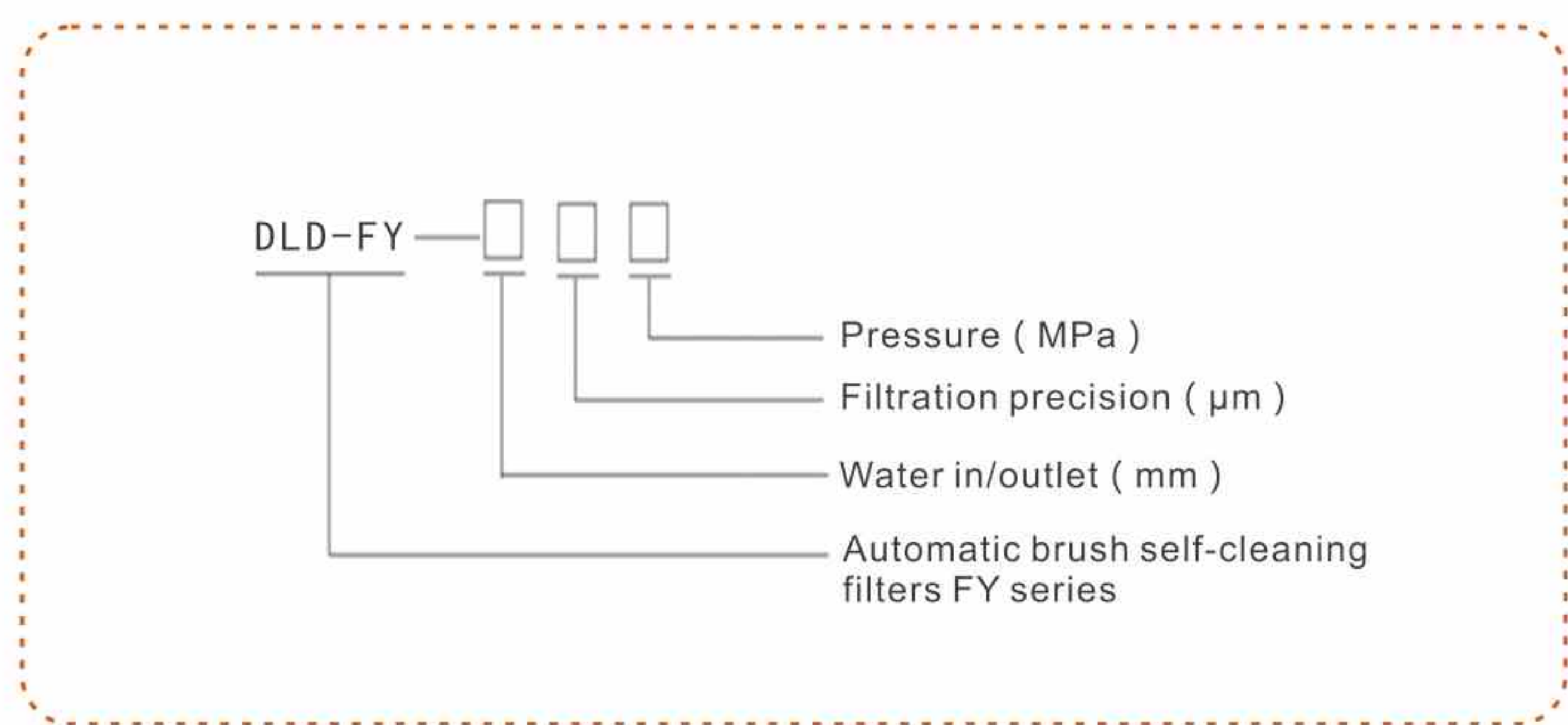
## PRINCIPLE DESCRIPTIONS

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

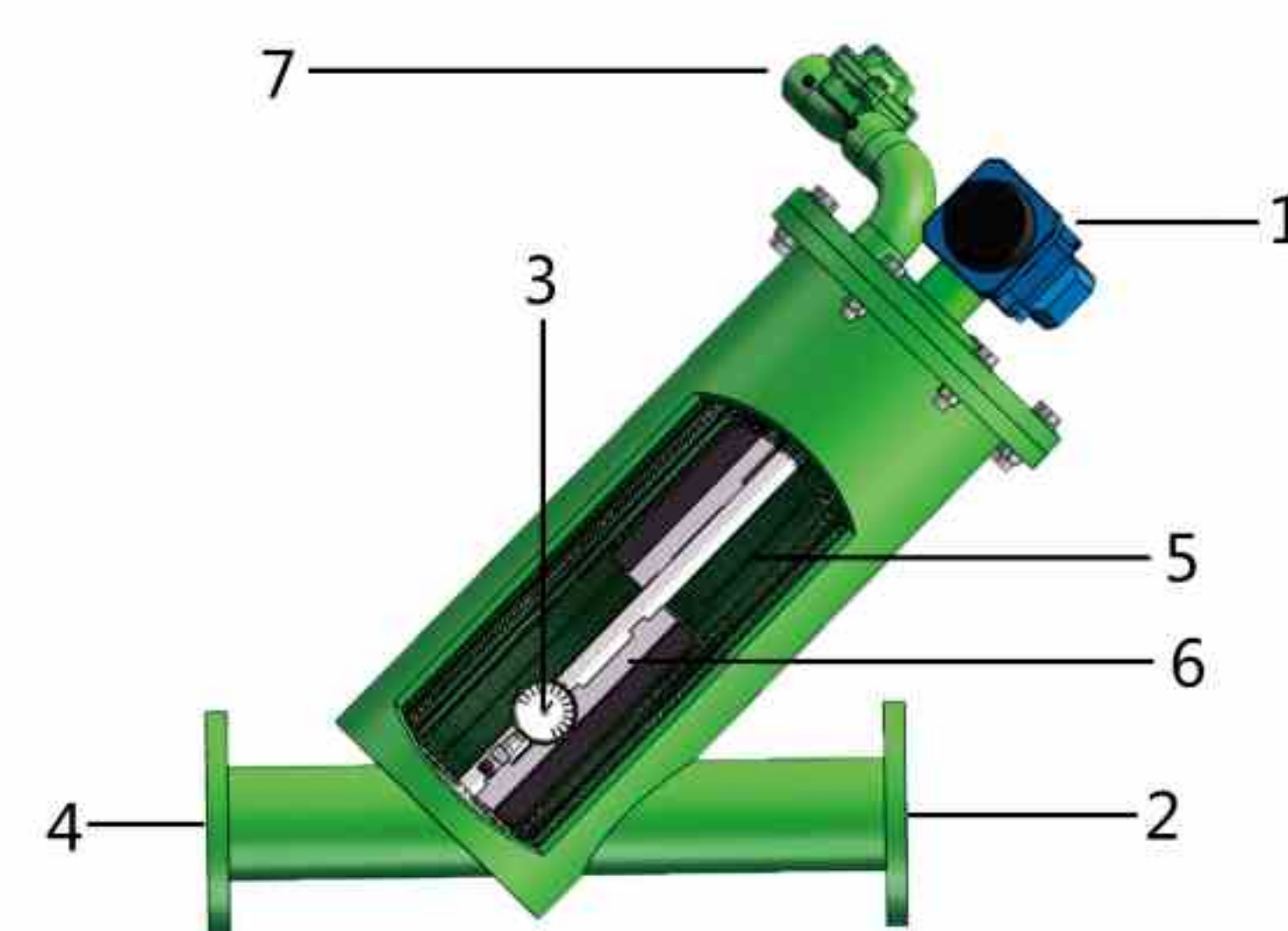
- Housing: Carbon steel/304 stainless steel/316L
- Mesh: 304 stainless steel/316L
- Brush: 304 stainless steel/316L
- Drain valve: Casting iron, copper, stainless steel, nylon
- Control box: PVC
- Sealing ring: EPDM rubber
- Cleaning brush: stainless steel/nylon

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

## TECHNICAL PARAMETERS

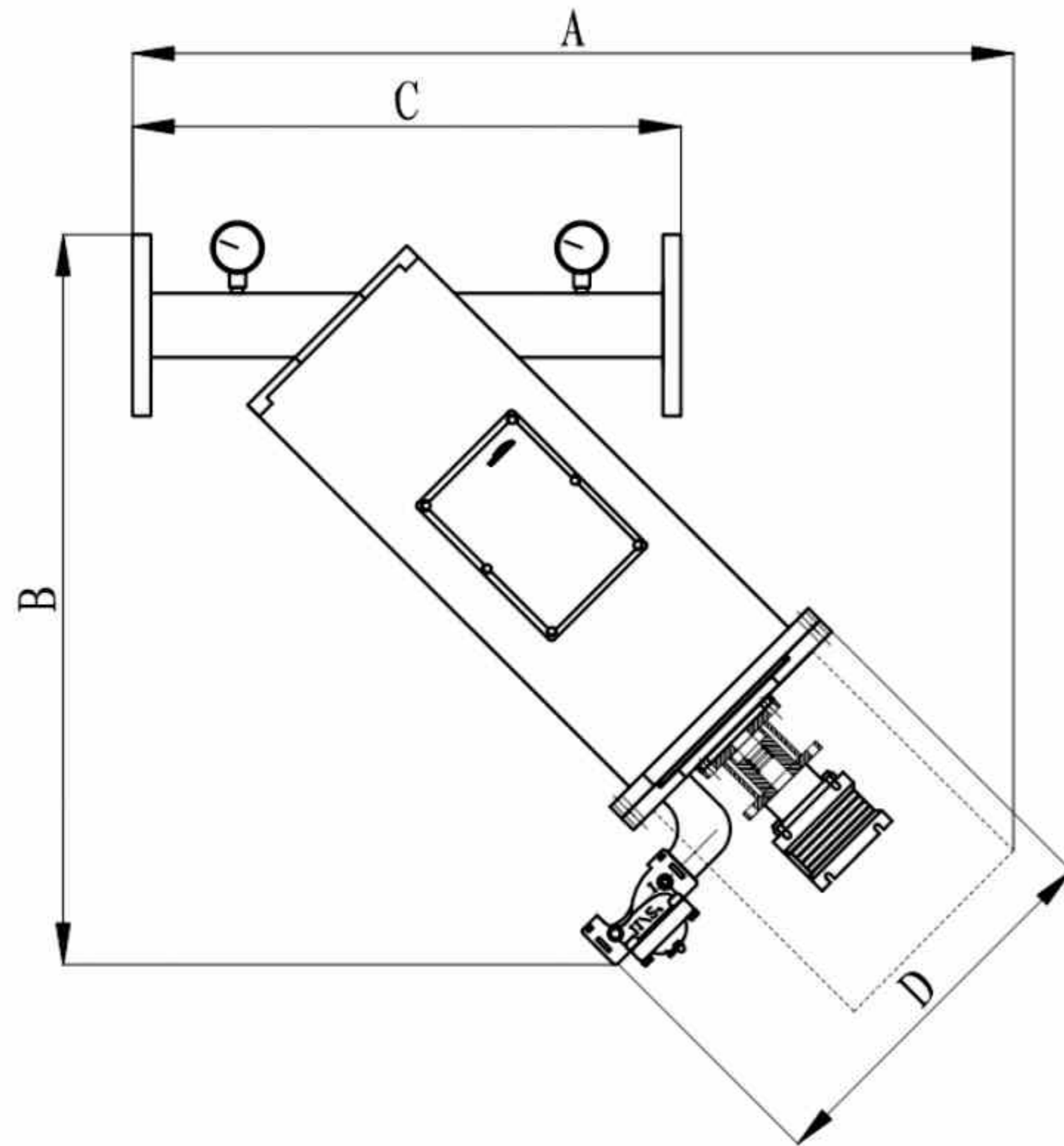
Single maximum filter flow: 1260m <sup>3</sup> /h
Filtration range: 4000µm~20µm
Max working pressure ≤ 16 bar (customized)
Min working pressure ≥ 1 bar
Working temperature ≤ 85°C
Power: 380V/50Hz (customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time: 10~200 seconds (optional)
Drilling (4000~800µm)
Wedge (1000~50µm)
Woven composite (800~20µm)

## PRODUCT STRUCTURE CHART

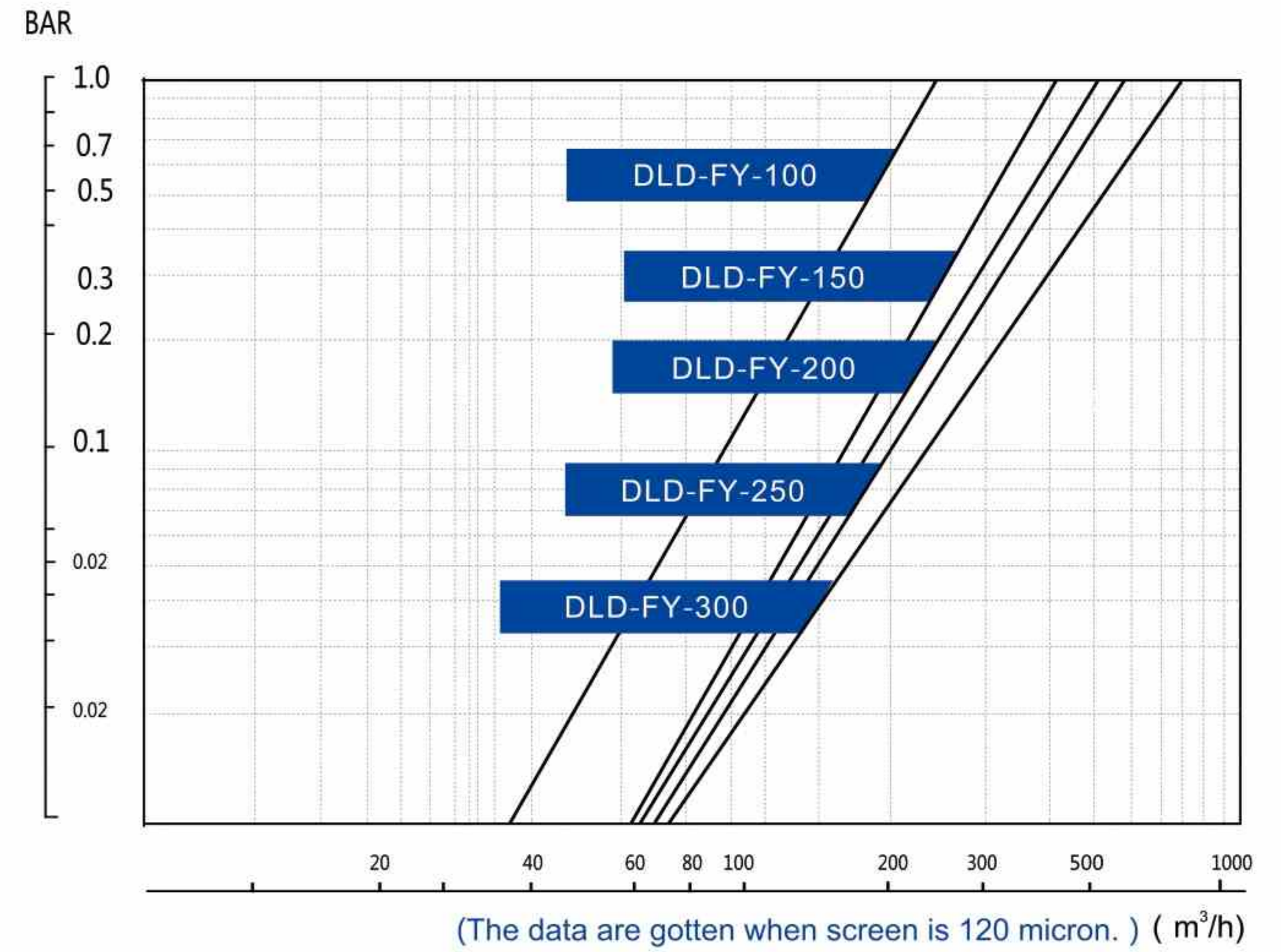


1. Electric motor 2. Water outlet 3. Pressure gauge  
4. Water inlet 5. Screen 6. Cleaning brush 7. Auto drain valve

## SIZE CHART



## THE TABLE PRESSURE LOSS

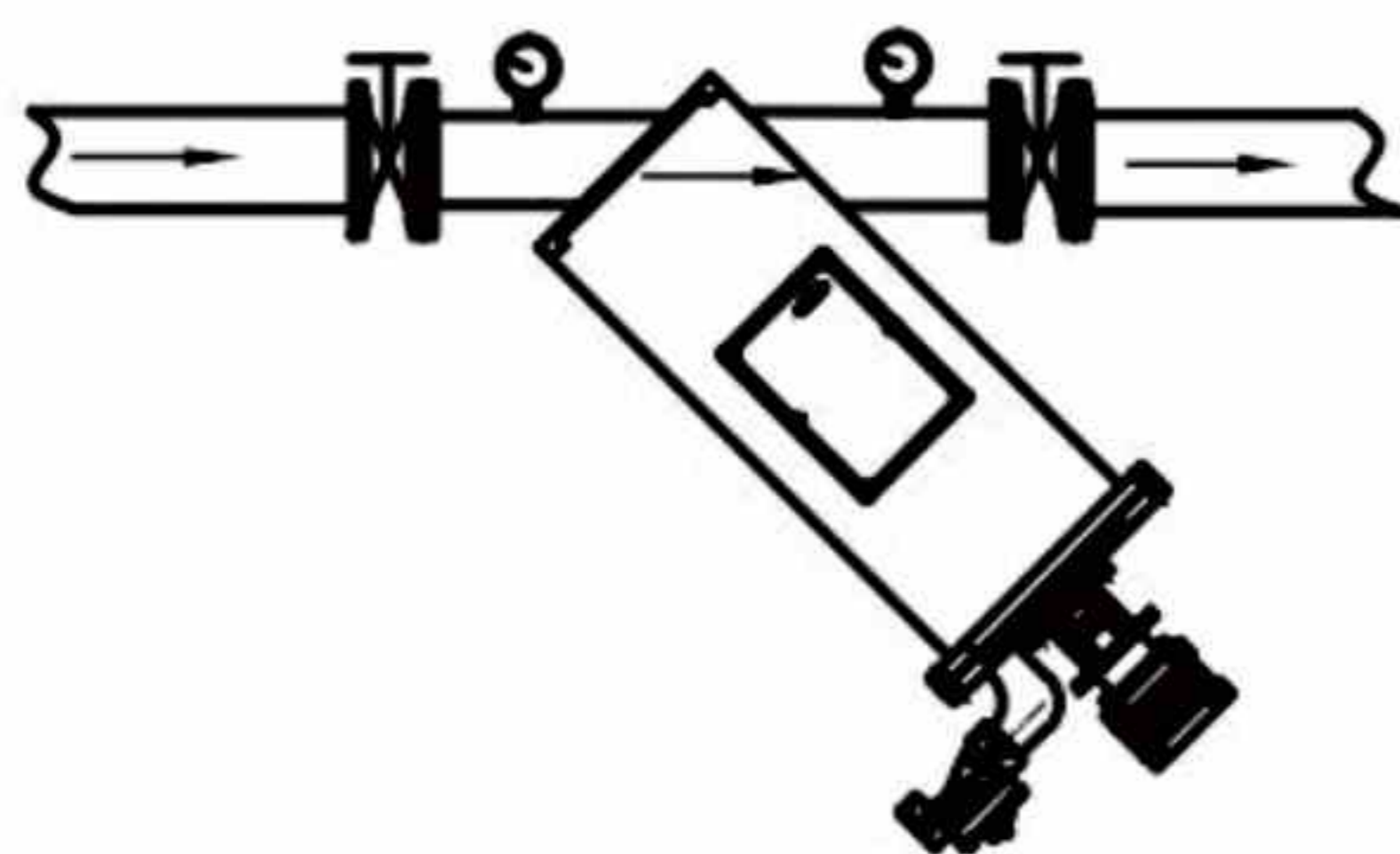


## TECHNICAL DATA TABLE

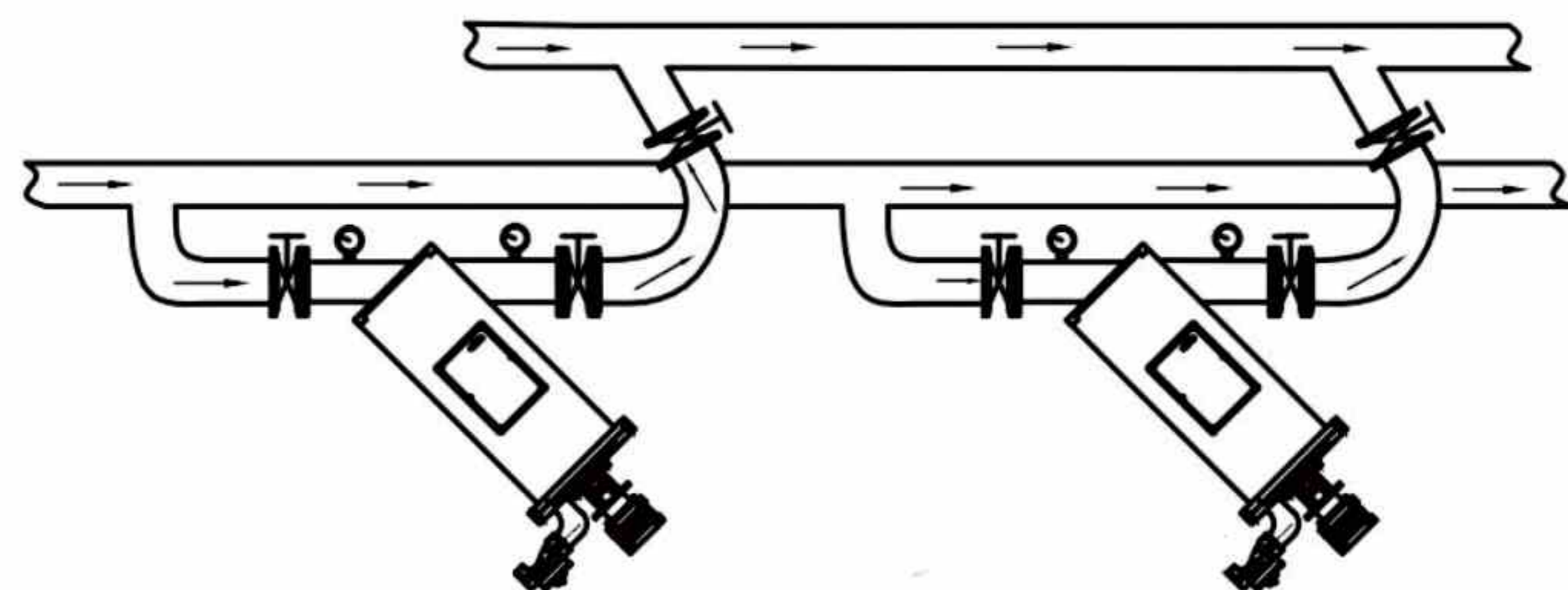
MODEL	WATER IN/OUTLET (mm)	A(mm)	B(mm)	C(mm)	D(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m <sup>3</sup> /h)	WEIGHT (Kg)
DLD-FY-50	50	870	545	690	420	25	0.12	19	50
DLD-FY-65	65	870	545	690	420	25	0.12	30	70
DLD-FY-80	80	870	545	690	420	40	0.12	50	80
DLD-FY-100	100	1270	860	690	420	40	0.18	80	105
DLD-FY-150	150	1365	980	750	420	50	0.18	150	160
DLD-FY-200	200	1670	1175	850	518	50	0.25	320	225
DLD-FY-250	250	1732	1236	1030	620	50	0.25	490	260
DLD-FY-300	300	2268	1573	1380	680	50	0.37	710	395

\* 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.