

# HYDRAULIC SELF-CLEANING FILTERS DLHF-300 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.

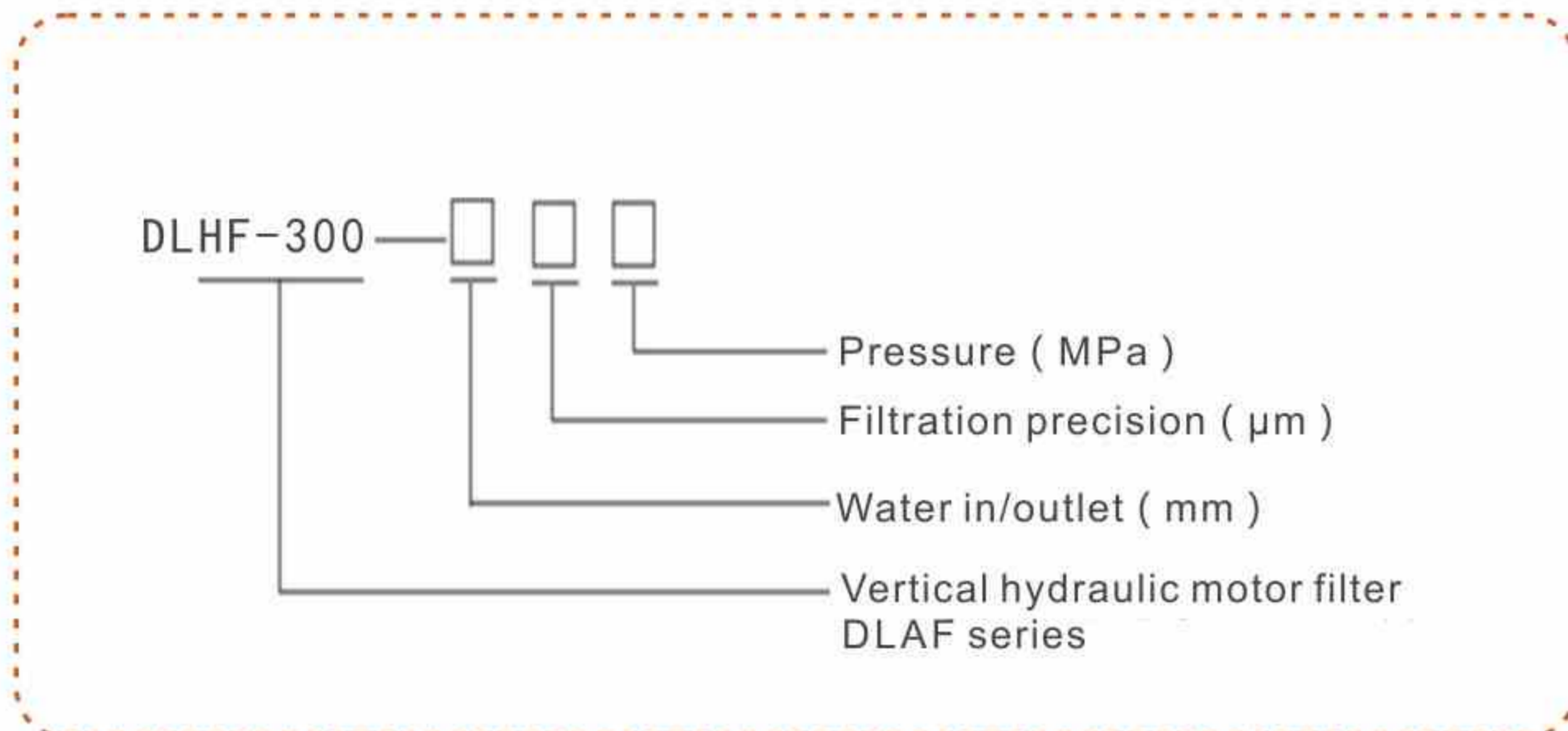
Self-cleaning mode can be started by pressing, timing or manual three ways, following the principle of pressure difference.

When the internal and external pressure difference( $\Delta P$ )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.



## 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

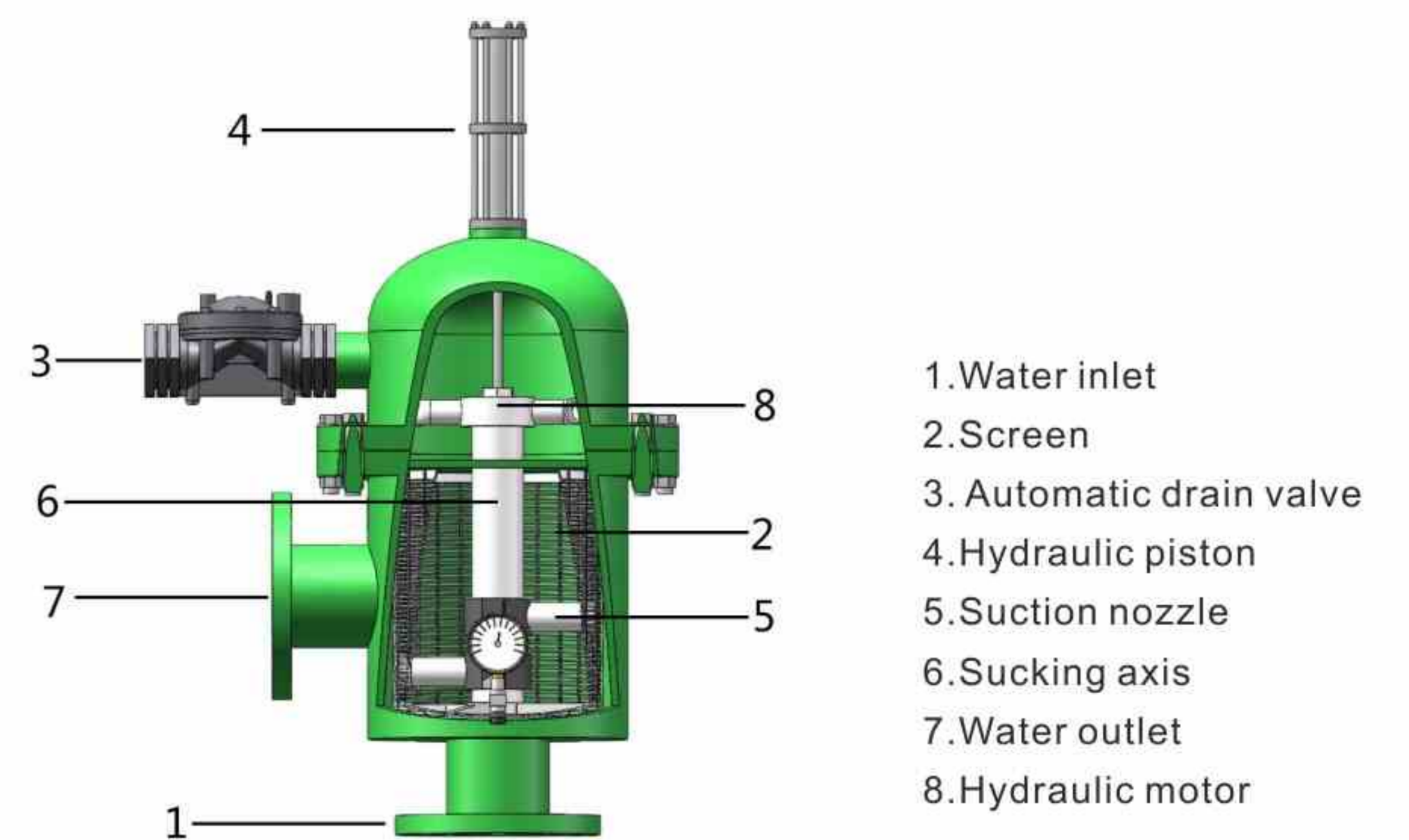
Control box:PVC/Aluminium

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

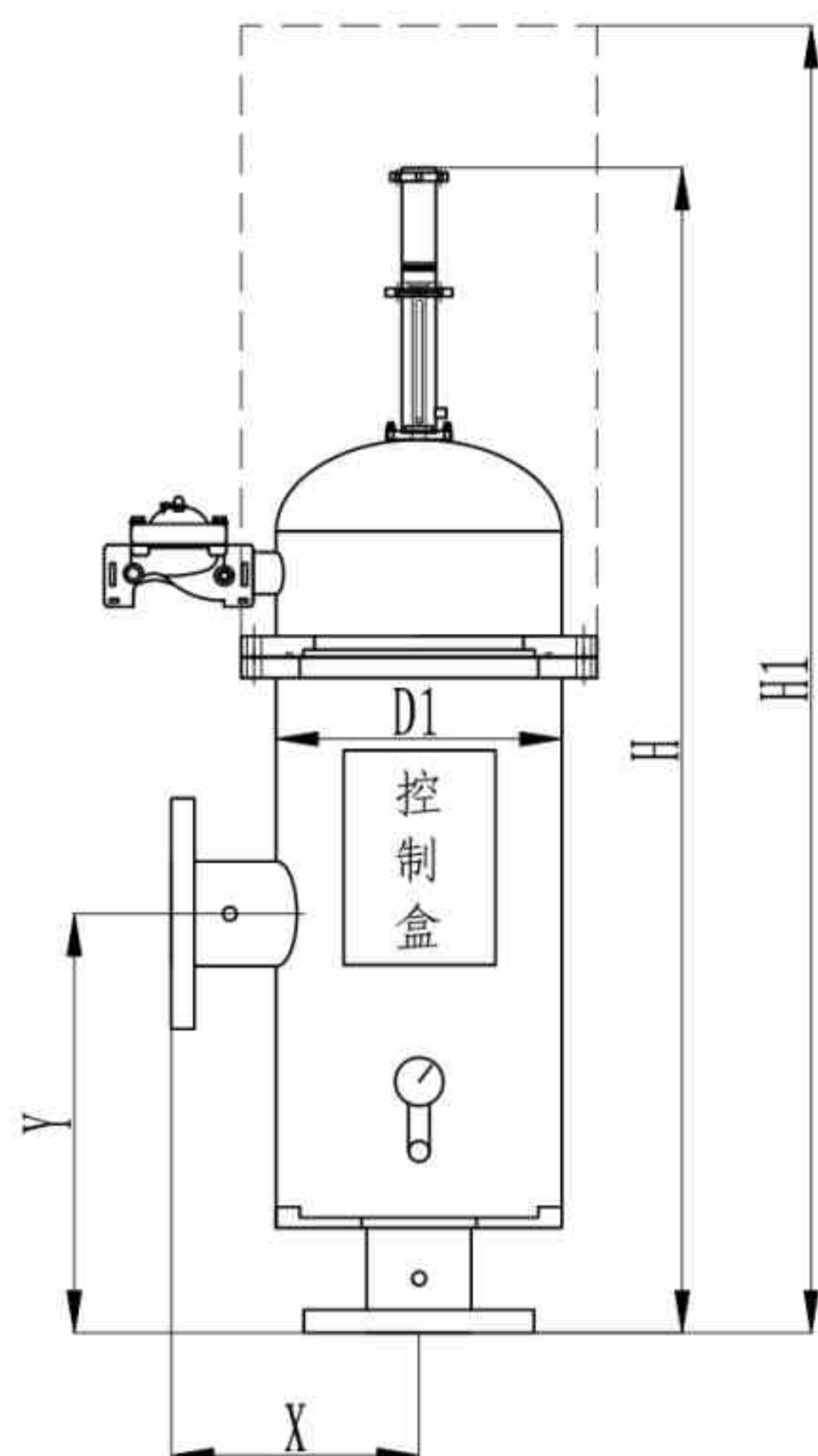
## TECHNICAL PARAMETERS

Single filter flow:10-200m <sup>3</sup> /h
Filtration range:25 $\mu\text{m}$ ~400 $\mu\text{m}$
Max working pressure:16 bar
Min working pressure:1 bar
Working temperature $\leq 85^{\circ}\text{C}$
Pressure loss:0.1 bar
Control way: pressure difference/time/manually
Cleaning time:10-200seconds(optional)
Power:220V/50Hz
DC:9V
Self-cleaning filter completely depends on the water pressure of the system and without external power.
Screen material:SS316L sintered

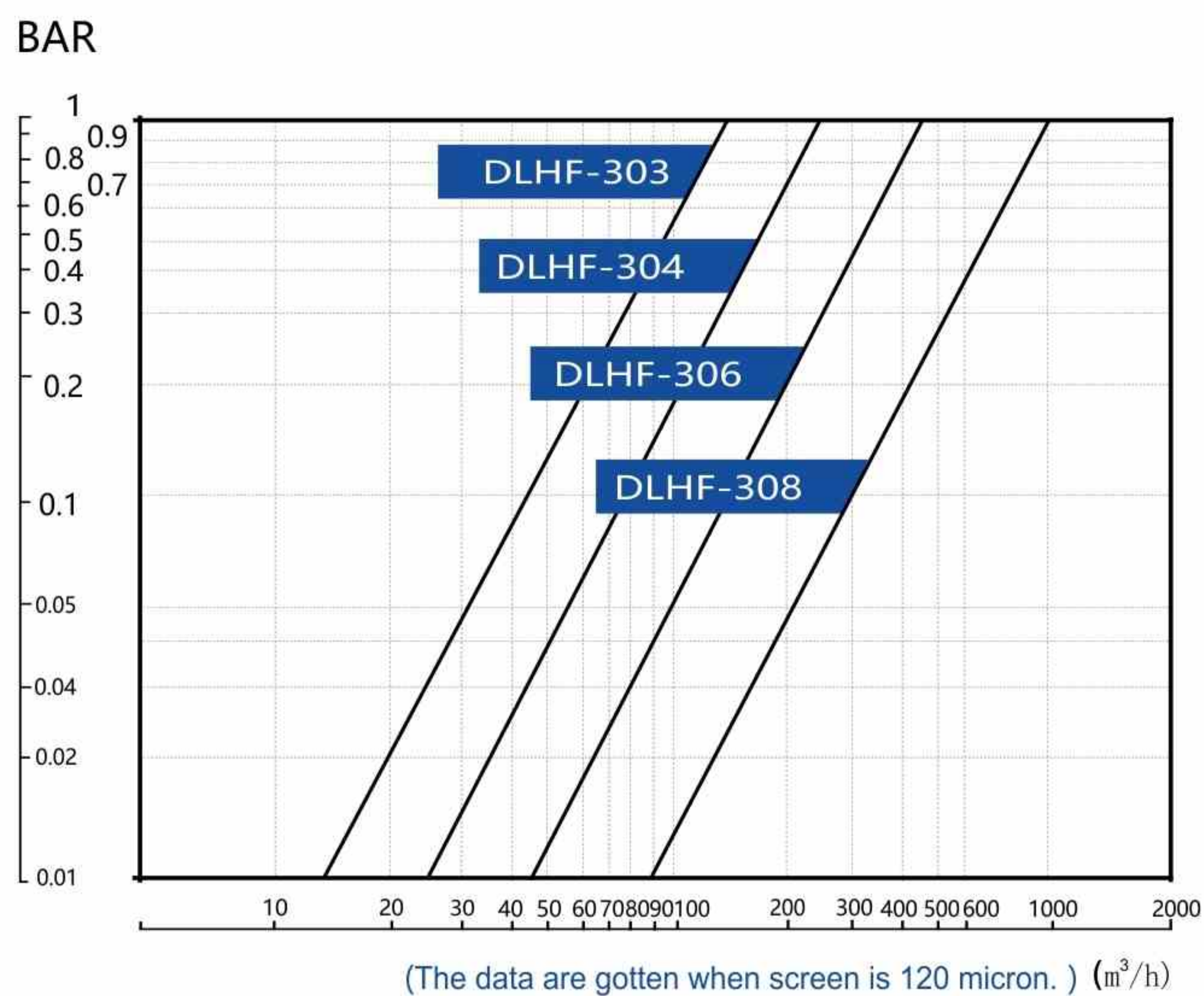
## PRODUCT STRUCTURE CHART



## SIZE CHART



## THE TABLE PRESSURE LOSS

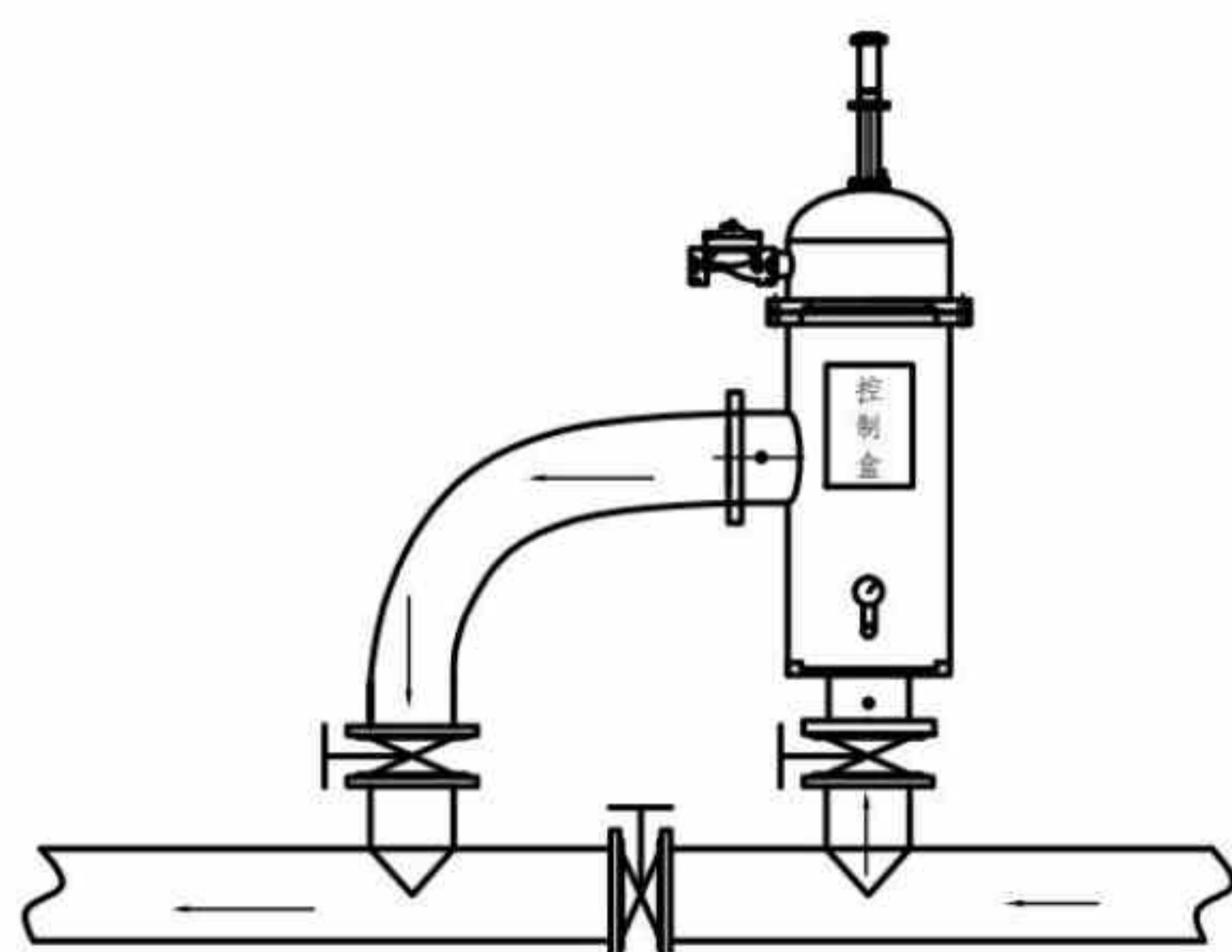


## TECHNICAL DATA TABLE

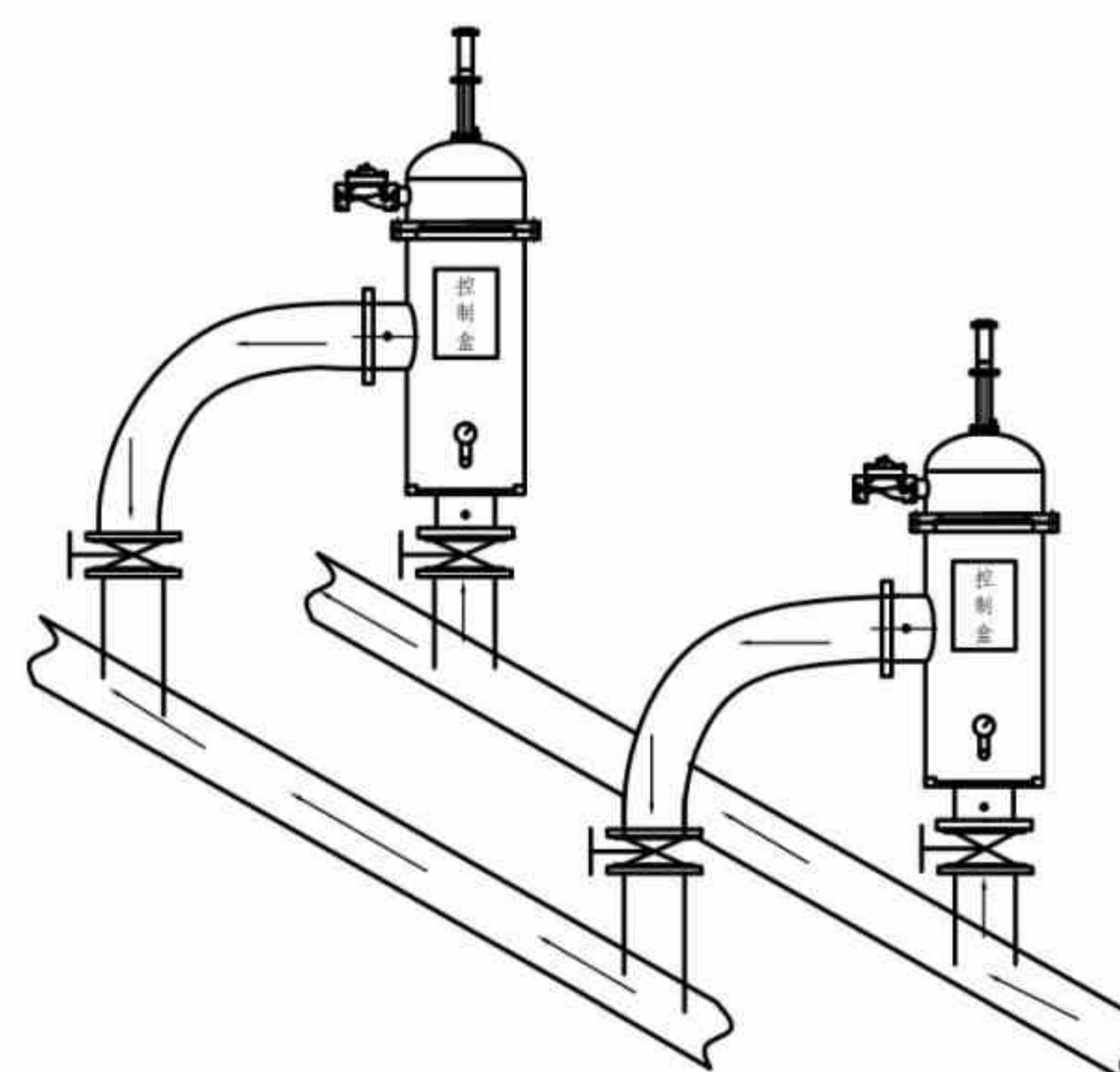
MODEL	INLET OUTLET (mm)	SCREEN AREA (cm <sup>2</sup> )	D1(mm)	X(mm)	Y(mm)	H(mm)	H1(mm)	FLOW (m <sup>3</sup> /h)	WEIGHT (Kg)
DLHF-302	50	1720	273	217	150	855	1100	20	20
DLHF-303	80	1720	273	217	150	855	1100	50	50
DLHF-304	100	1720	273	237	150	855	1630	80	80
DLHF-304MAX	100	3430	273	237	400	1105	3000	100	100
DLHF-306	150	4330	273	257	450	1255	4500	130	130
DLHF-308	200	5500	325	283	560	1425	5780	200	200

\* 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.