SCREEN SELF-
CLEANING FILTER

DAWNING FILTER SYSTEM

DAWNING FILTER SYSTEM

INTRODUCTION FILTER SYSTEM

DAWNING FILTER SYSTEM(CDFS) is water treatment and filtration industry,created by a group of technical elites. We are committed to the development and manufactue efficient water treatment equipment.

Our products include: automatic brush cleaning filter, automatic suction cleaning filter, hydraulic self-cleaning filter, cyclone removal series, sand filter,disc filter etc.

Our products have been widely used in industrial and civil buildings,steel, power,petrochemical,agriculture,metallurgy,pharmaceutical,papermaking, automobile, hotel, municipal and other industries.

It is our ultimate goal to provide excellent products for customers. We are flexible and innovative in design, and we strictly control the quality.

We can meet customers' various requipments, combine excellent technology and produce high quality products.

Providing the perfect solution for our customers is our eternal pursuit. This not only shows the same concern for improving the production efficiency and profit return of customers, but also taking environmental protection energy as our duty.

We believe that we will always be your reliable partner.

Dawning Filter System always provide customers with:

Customized solutions The most effective-cost product Optimum design Outstanding performance

In our many filters, you can always find the one that is right for you.

PRODUCT APPLICATION

Industrial filtration

Cooling water, spray head protection, tertiary treatment of sewage, municipal water reuse, workshop water, r.o .System, acid wash, papermaking white water, injection molding machine, pasteurization system, vacuum pump system, air compressor system, continuous casting system, cooling water system and other water filtration.




Irrigation filtration

Groundwater, municipal water, river water, lake water, sea water, orchard, nursery, greenhouse, golf course, park, etc.




MODEL CLARIFICATION

In order to be more applicable to the technical requirements of customers and achieve energy saving, water saving, environmental protection for the client, our engineers will provide you the best solution with professional technical knowledge and rich experience of the application.

when you are choosing automatic screen filters, please consider the following parameters:

1、Flow capacity
2、Chemical properties of the filtering medium
3、Suspended solids(SS) concentration of filter medium
4、Required filtration precision
5、Pipeline water pressure

Comparison table of filtration precision

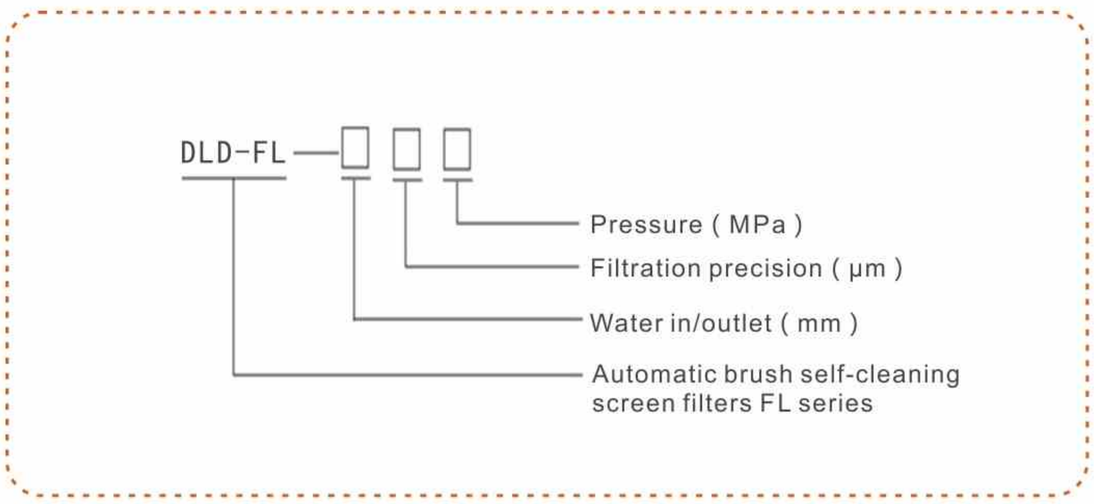
MICRON(μm)	10	25	30	40	50	80	100	120	150	200	400	800	1500	3000
MESH	1500	650	550	400	300	200	150	120	100	80	40	20	10	5

DLD ELECTRIC BRUSH SELF-CLEANING FILTER FL 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 wahsing.The whole working system is controlled by controller which has several control modes: pressure differential, time, manual and PLC.

MODEL CLARIFICATION



FILTER MATERIAL

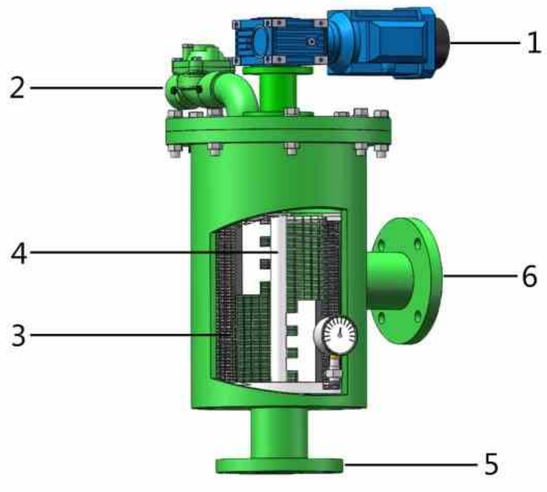
Housing: Carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Control box:PVC/Aluminium/stainless steel
Sealing ring: EPDM rubber
Cleaning brush:stainless steel/nylon

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

TECHNICAL PARAMETERS

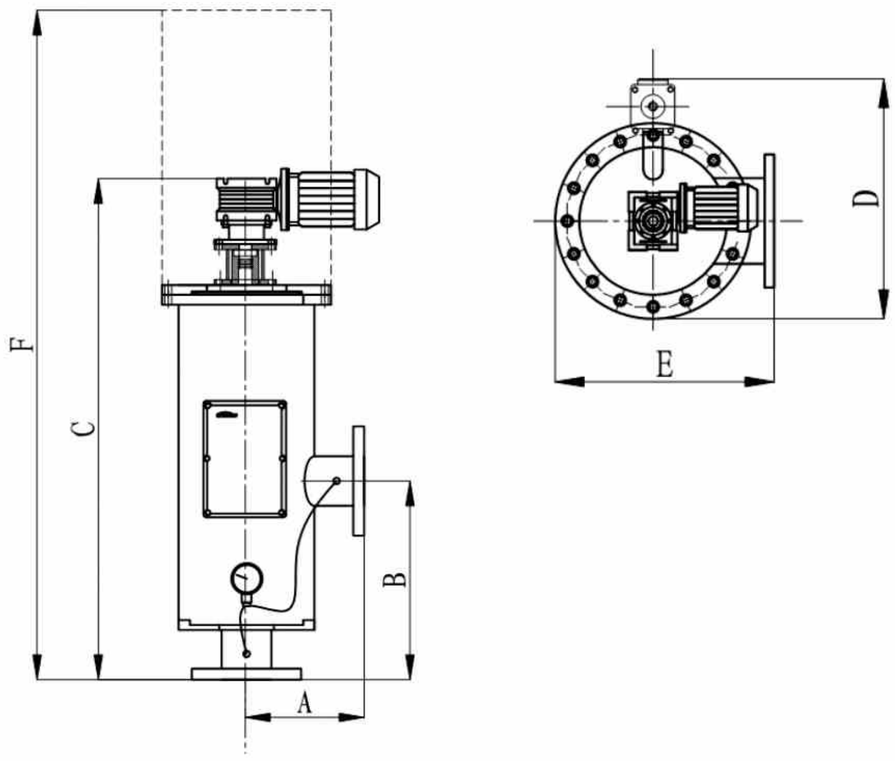
Single maximum filter flow:4000m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤85℃
Power:380V/50Hz(customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

PRODUCT STRUCTURE CHART

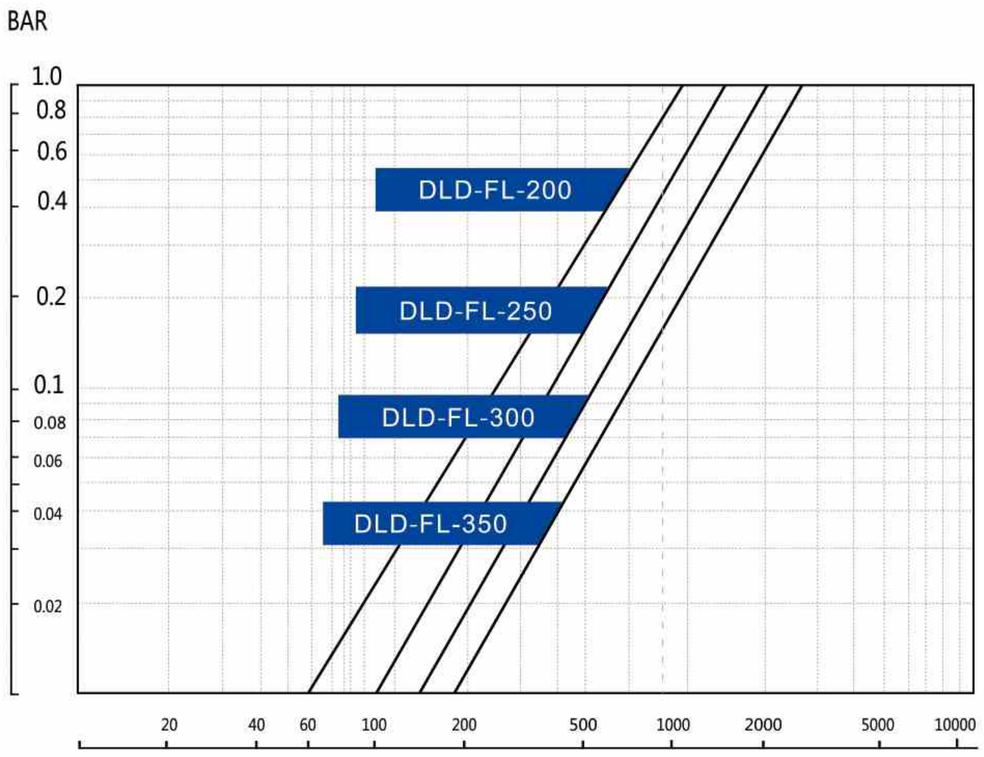


1.Electric motor
2.Automatic drain valve
3.Screen
4.Cleaning brush
5.Water inlet
6.Water outlet

SIZE CHART



THE TABLE PRESSURE LOSS



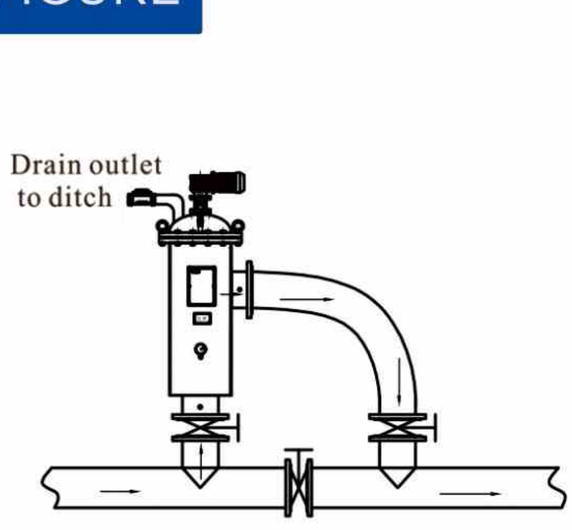
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

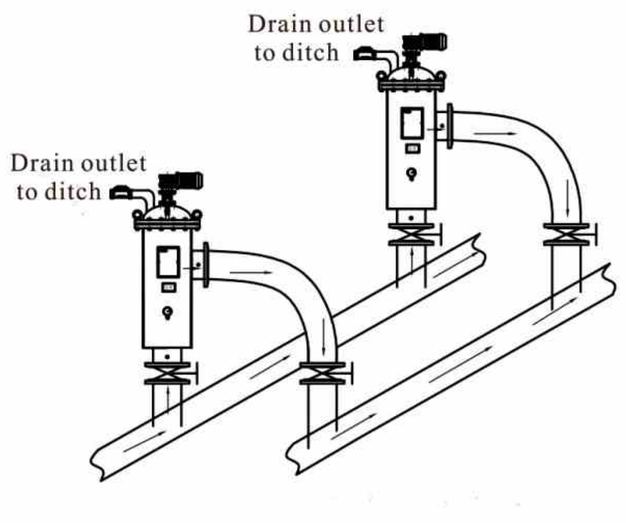
MODEL	WATER IN/OUTLET (mm)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m^3/h)	WEIGHT (Kg)
DLD-FL-50	50	240	250	700	560	420	900	25	0.12	19	50
DLD-FL-65	65	240	250	700	560	420	900	25	0.12	30	70
DLD-FL-80	80	240	250	700	590	420	900	40	0.12	50	80
DLD-FL-100	100	240	400	950	590	420	1250	40	0.18	80	105
DLD-FL-150	150	260	490	1080	610	420	1400	50	0.18	150	180
DLD-FL-200	200	330	590	1410	680	518	1860	50	0.25	320	235
DLD-FL-250	250	380	630	1490	780	620	1990	50	0.25	490	260
DLD-FL-300	300	415	790	1850	830	680	2650	50	0.37	710	420
DLD-FL-350	350	415	790	1850	830	680	2650	50	0.37	970	620
DLD-FL-400	400	465	790	1950	930	780	2750	50	0.37	1260	738
DLD-FL-450	450	510	790	1980	950	870	2860	50	0.37	1600	860
DLD-FL-500	500	510	790	2100	1050	870	3050	65	0.55	1970	910

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

INSTALLATION FIGURE



Single filter



Parallel filters

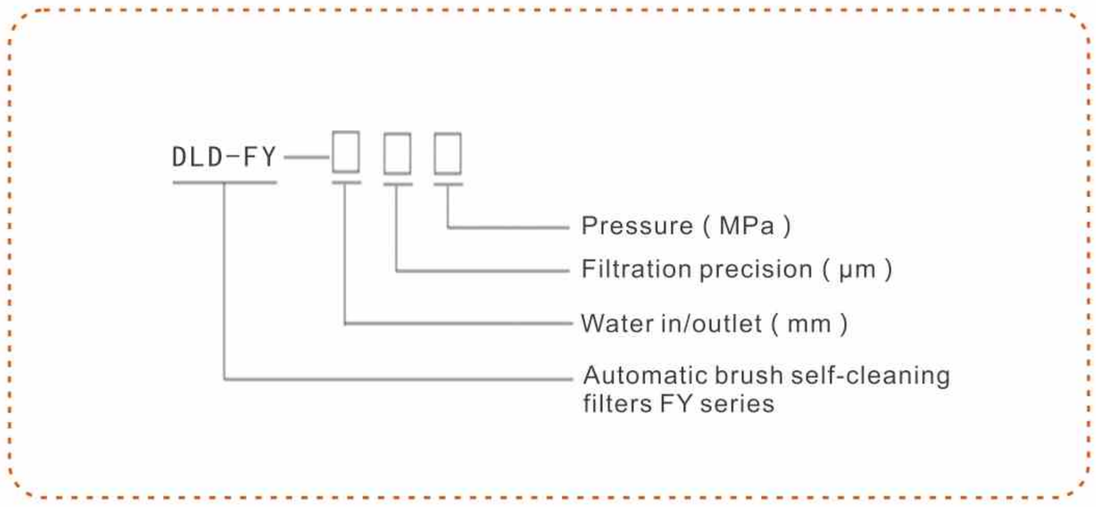
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

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

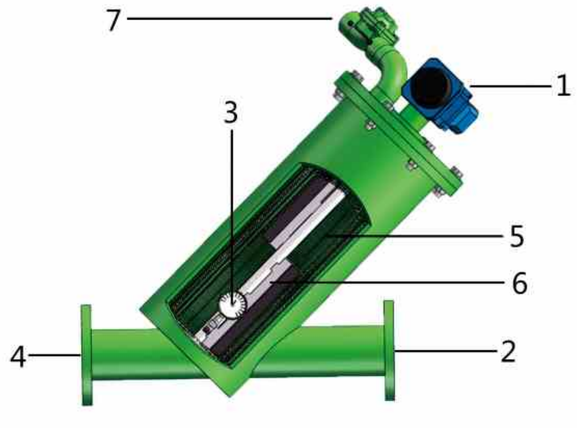
Housing: Carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Control box:PVC
Sealing ring: EPDM rubber
Cleaning brush:stainless steel/nylon

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

TECHNICAL PARAMETERS

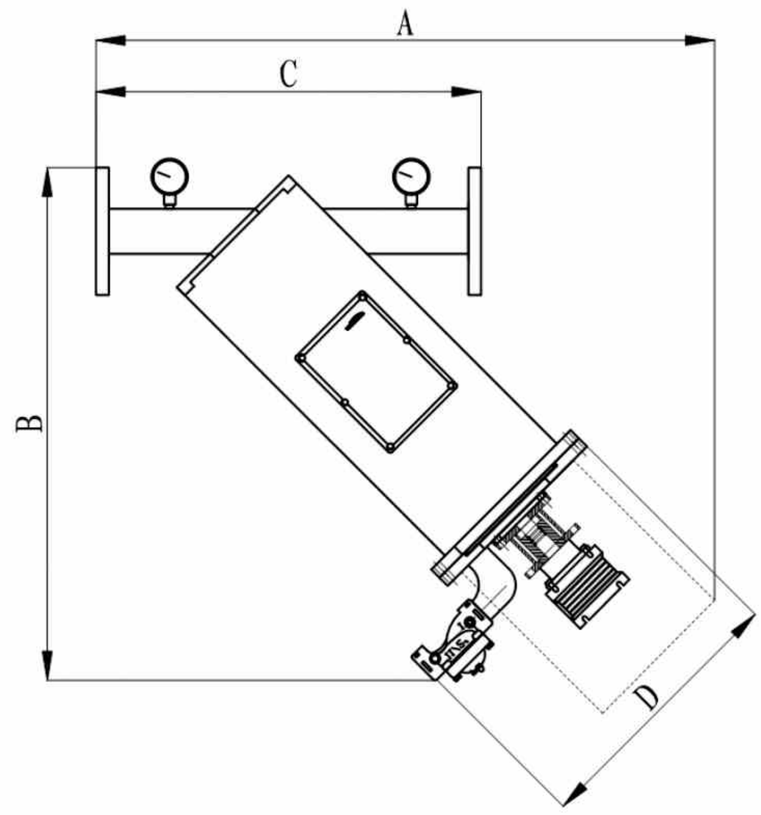
Single maximum filter flow:1260m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤85℃
Power:380V/50Hz(customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

PRODUCT STRUCTURE CHART

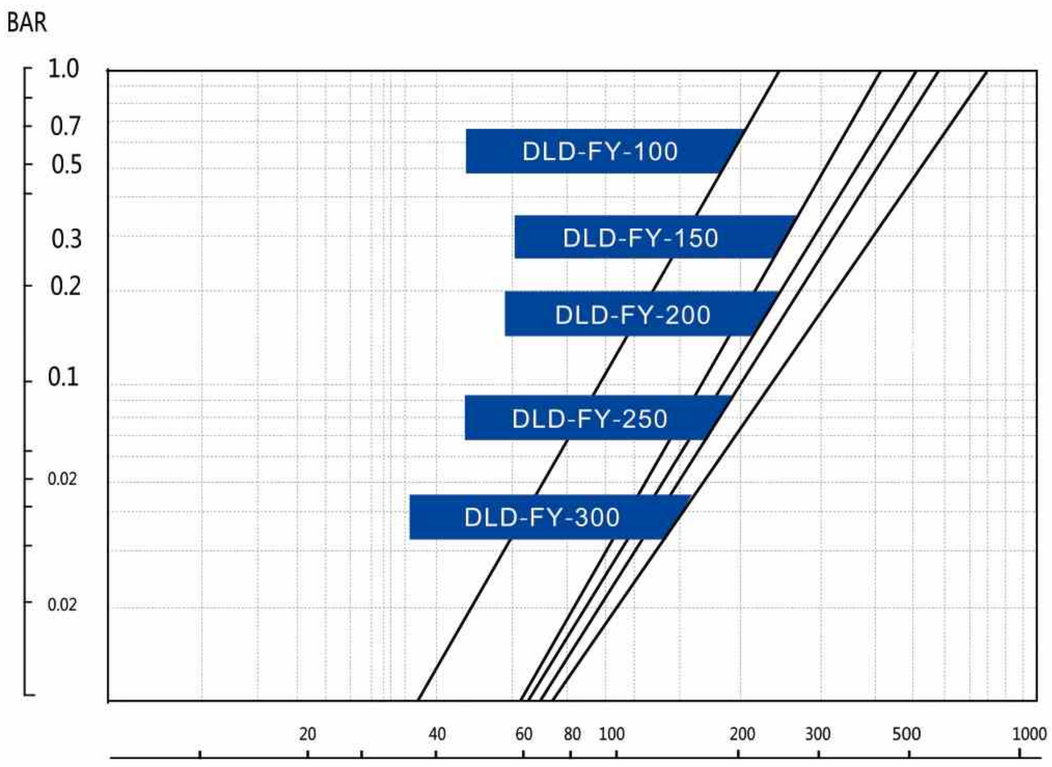


1.Electric motor 2.Water outlet 3.Pressure gauge
4.Water inlet 5.Screen 6.Cleaning brush 7.Auto drain valve

SIZE CHART



THE TABLE PRESSURE LOSS

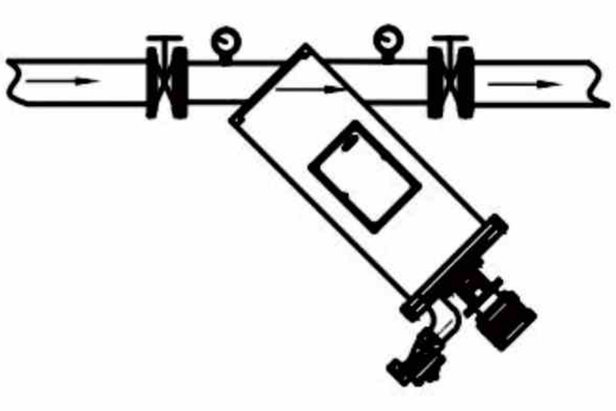


TECHNICAL DATA TABLE

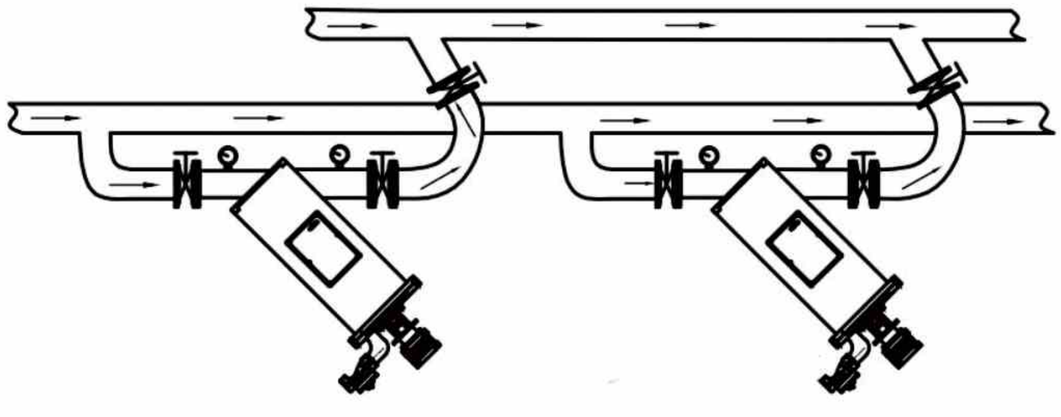
MODEL	WATER IN/OUTLET (mm)	A(mm)	B(mm)	C(mm)	D(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m^3/h)	WEIGHT (Kg)
DLD-FY-50	50	870	545	690	420	25	0.12	19	50
DLD-FY-65	65	870	545	690	420	25	0.12	30	70
DLD-FY-80	80	870	545	690	420	40	0.12	50	80
DLD-FY-100	100	1270	860	690	420	40	0.18	80	105
DLD-FY-150	150	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

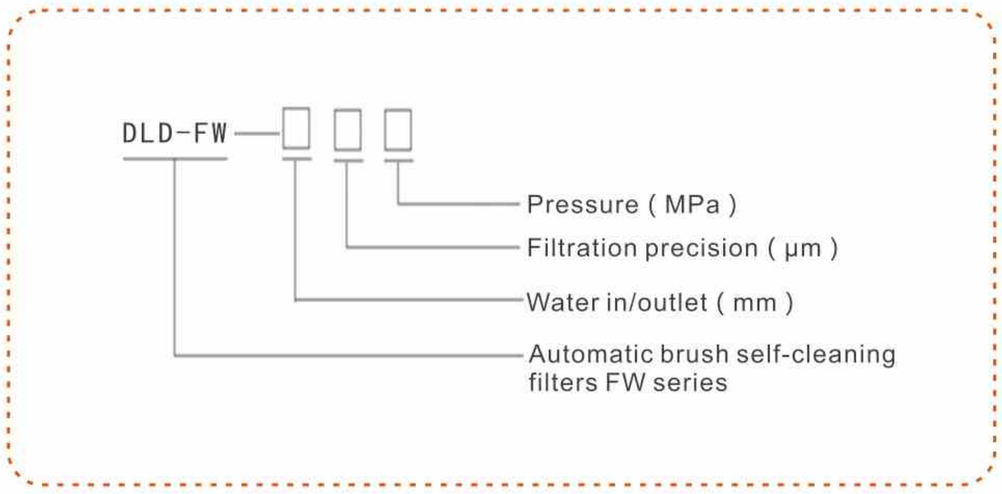
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

DLD ELECTRIC BRUSH SELF-CLEANING FILTER FW 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

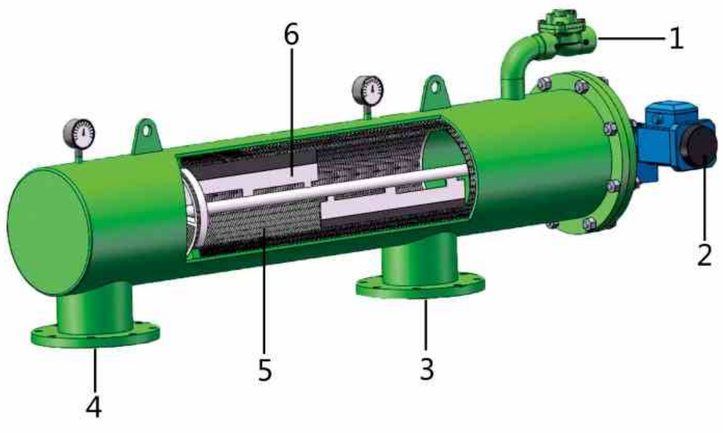
Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Control box:PVC/Aluminium
Sealing ring: EPDM rubber
Cleaning brush:stainless steel/nylon

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

TECHNICAL PARAMETERS

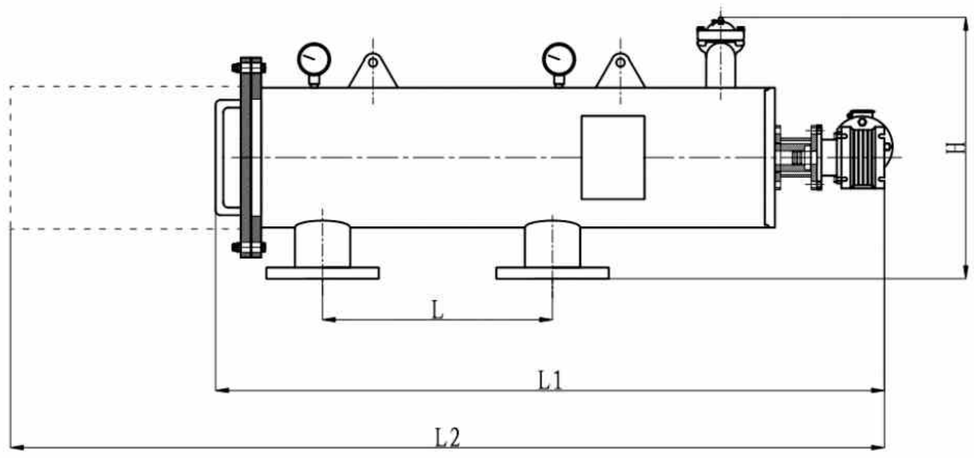
Single maximum filter flow:4000m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤85℃
Power:380V/50Hz(customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

PRODUCT STRUCTURE CHART

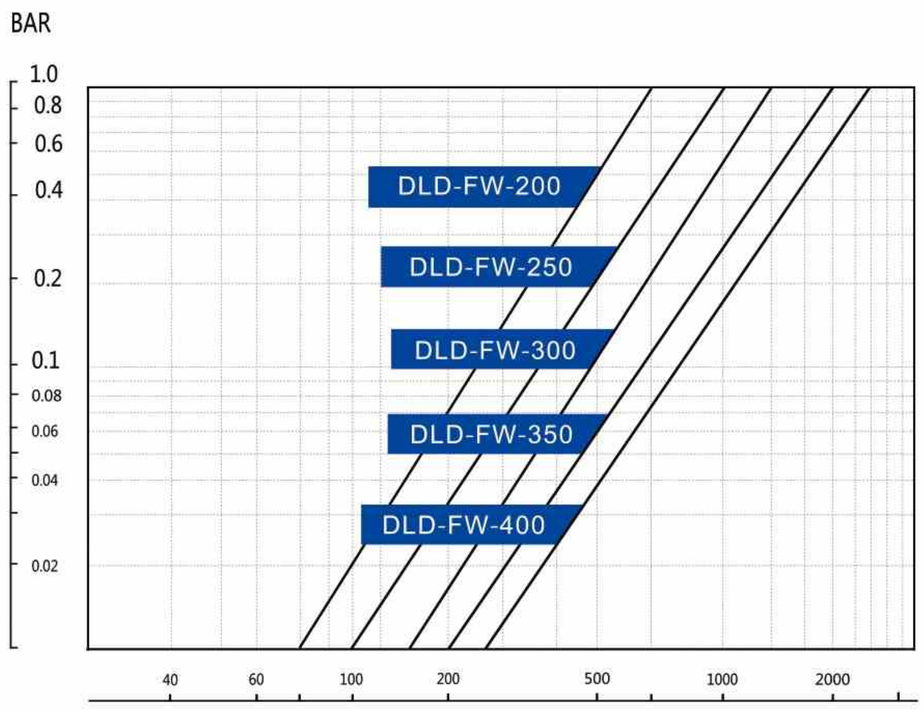


1.Automatic drain valve 2.Electric motor 3.Water outlet
4.Water inlet 5.Screen 6.Cleaning brush

SIZE CHART



THE TABLE PRESSURE LOSS



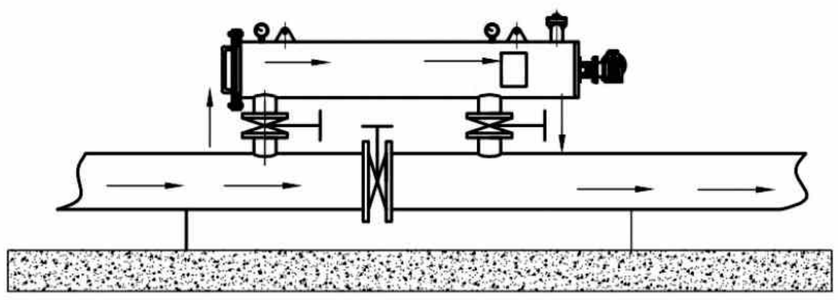
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

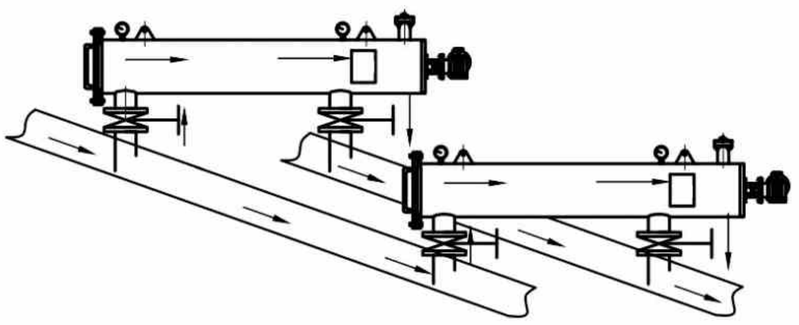
MODEL	WATER IN/OUTLET (mm)	L(mm)	L1(mm)	L2(mm)	H	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m^3/h)	WEIGHT (Kg)
DLD-FW-80	80	450	1338	2038	493	40	0.12	50	180
DLD-FW-100	100	450	1338	2038	493	40	0.18	80	198
DLD-FW-150	150	900	1705	2705	545	50	0.18	150	328
DLD-FW-200	200	900	1765	2765	617	50	0.25	320	375
DLD-FW-250	250	900	1845	2895	720	50	0.25	450	470
DLD-FW-300	300	1100	2442	3792	800	50	0.37	600	519
DLD-FW-350	350	1100	2442	3792	800	50	0.37	850	660
DLD-FW-400	400	1100	2792	4142	900	50	0.37	1200	708

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

INSTALLATION FIGURE



Single filter



Parallel filters

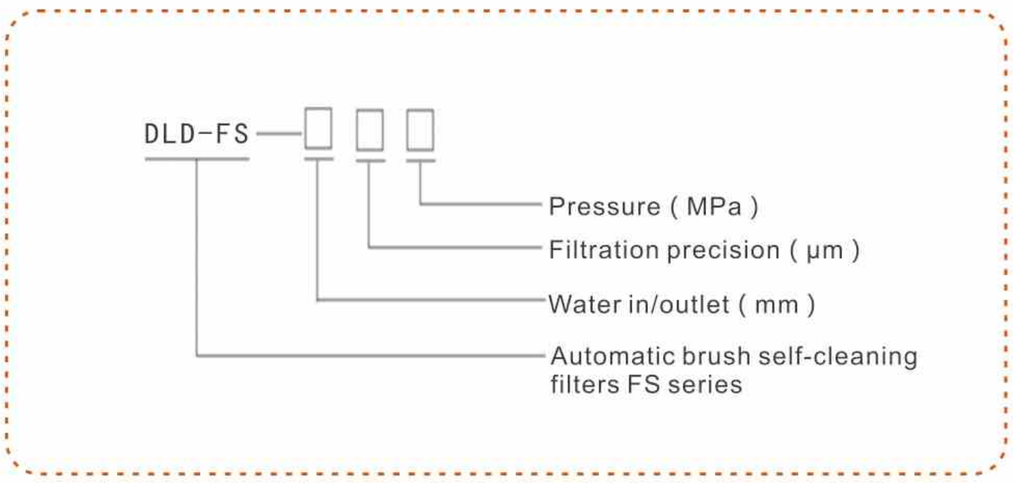
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

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

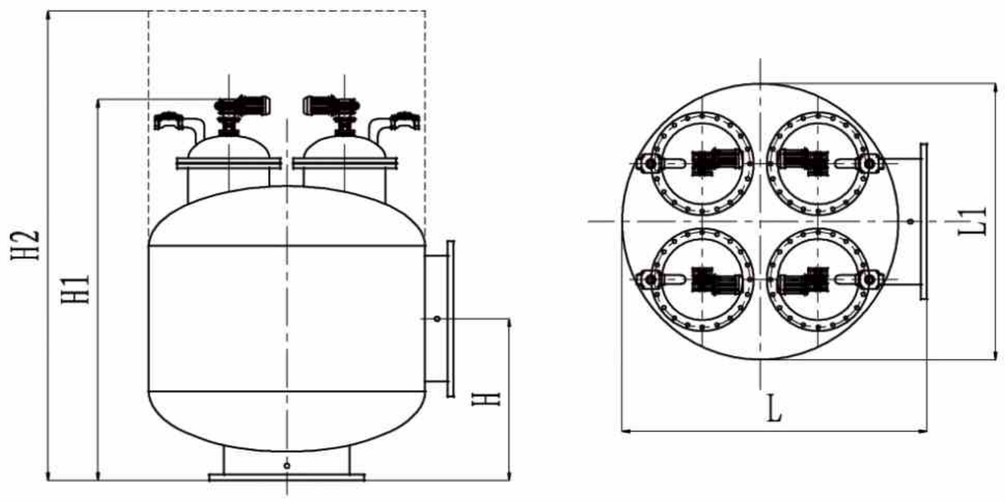
Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Control box:PVC/Aluminium
Sealing ring: EPDM rubber
Cleaning brush:stainless steel/nylon

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

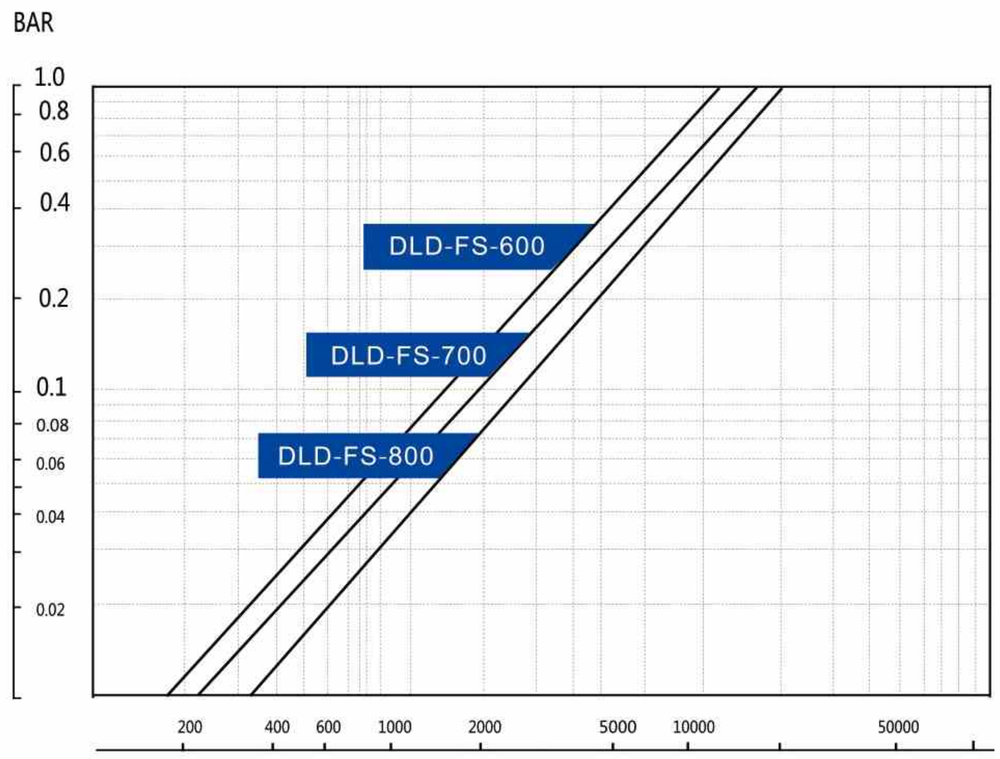
TECHNICAL PARAMETERS

Single maximum filter flow:5000m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤85℃
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



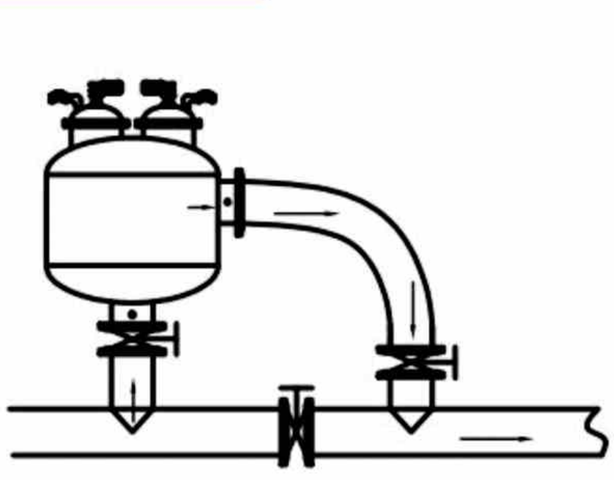
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

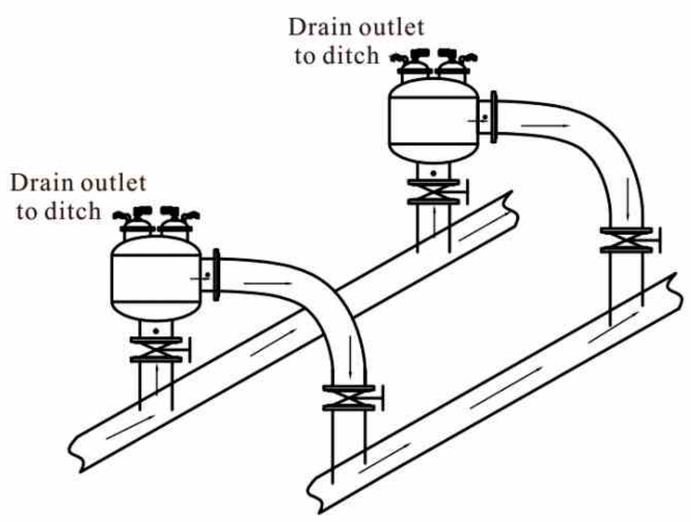
MODEL	WATER IN/OUTLET (mm)	L(mm)	L1(mm)	H(mm)	H1(mm)	H2 (mm)	DRAIN OUTLET (mm)	FLOW (m^3/h)	WEIGHT (Kg)
DLD-FS-600	600	1985	1600	880	2210	3250	60	2650	2365
DLD-FS-700	700	1985	1600	975	2386	3340	65	3580	2855
DLD-FS-800	800	2145	1800	1053	2490	3690	80	5000	3310
DLD-FS-900	900	2145	1800	1255	2698	3900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

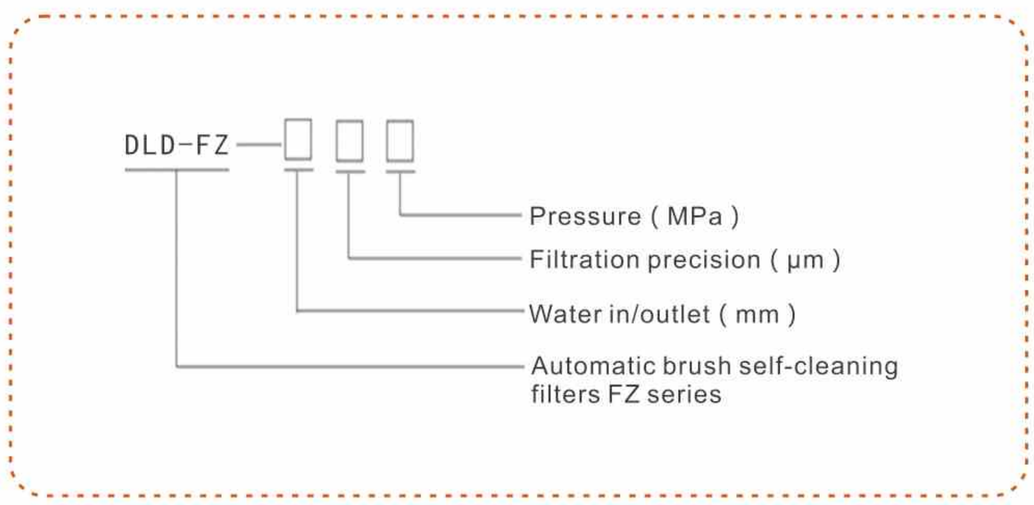
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

DLD ELECTRIC BRUSH SELF-CLEANING FILTER FZ 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

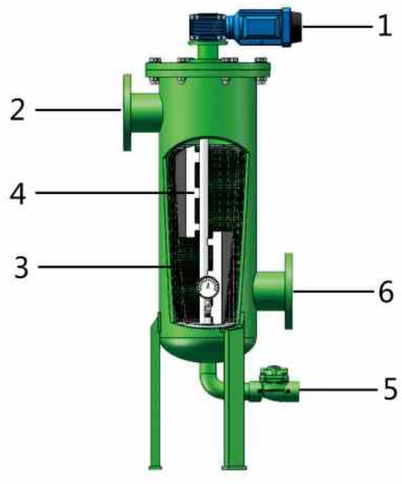
Housing: Carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Control box:PVC/Aluminium
Sealing ring: EPDM rubber
Cleaning brush:stainless steel/nylon

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

TECHNICAL PARAMETERS

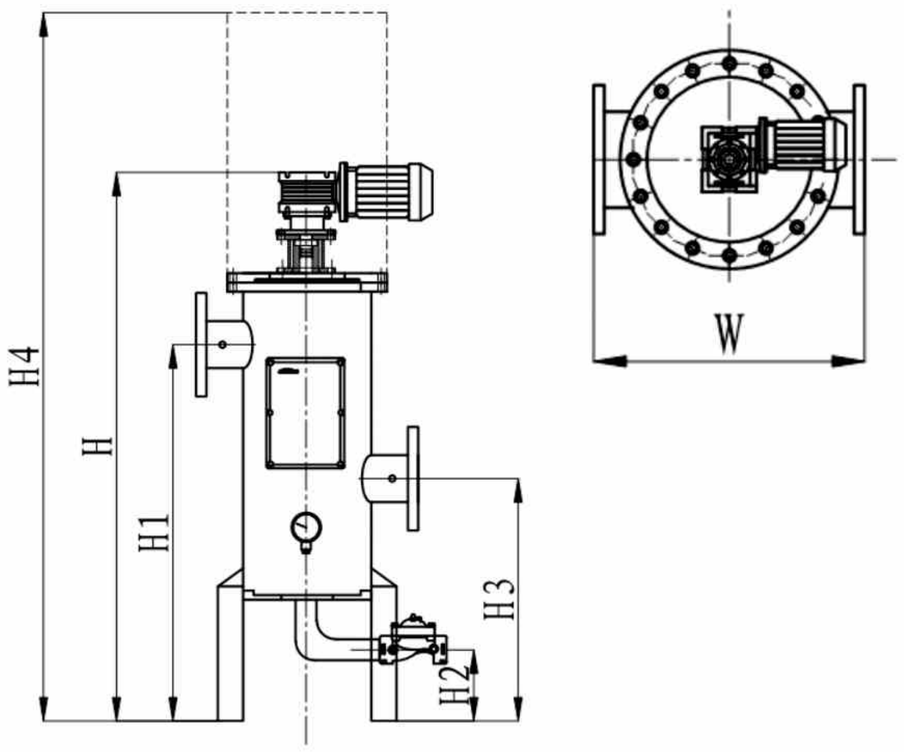
Single maximum filter flow:2000m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤65℃
Power:380V/50Hz(customized)
Control way: pressure difference/time/manually/PLC
Cleaning way: brush
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

PRODUCT STRUCTURE CHART

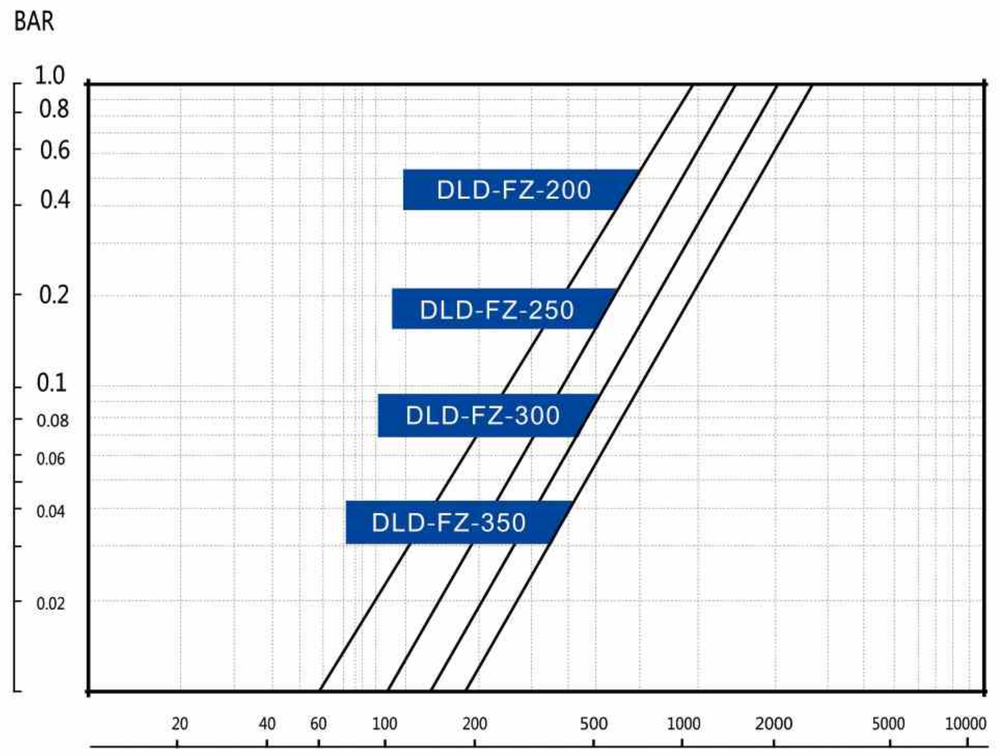


1.Electric motor
2.Water inlet
3.Screen
4.Cleaning brush
5.Automatic drain valve
6.Water outlet

SIZE CHART



THE TABLE PRESSURE LOSS



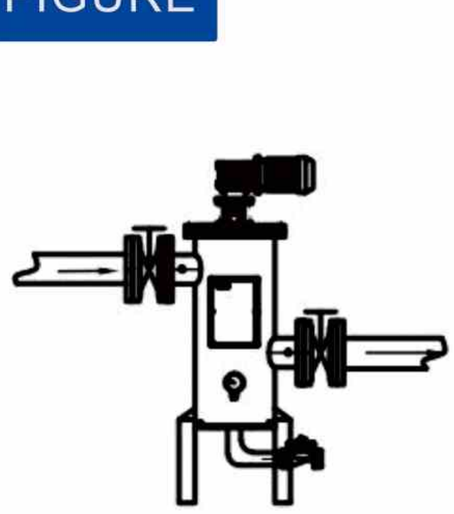
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

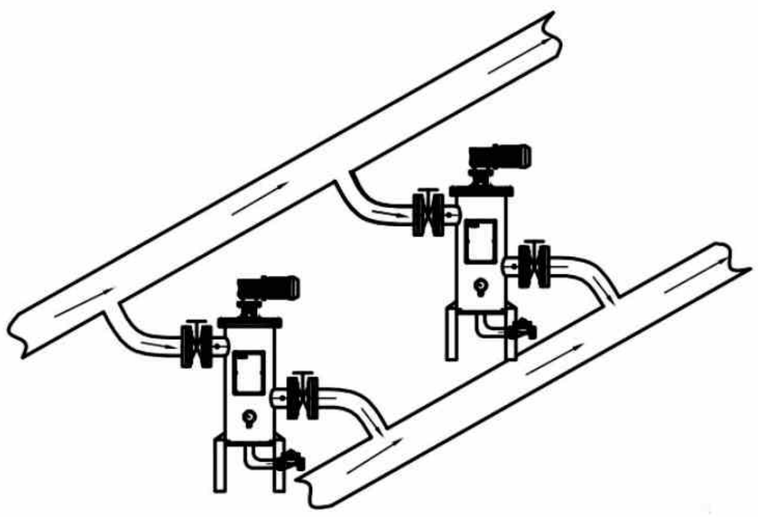
MODEL	WATER IN/OUTLET (mm)	H(mm)	H1(mm)	H2(mm)	H3(mm)	H4(mm)	W(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m^3/h)	WEIGHT (Kg)
DLD-FZ-50	50	970	670	200	425	1170	453	25	0.12	19	50
DLD-FZ-65	65	970	670	200	425	1170	453	25	0.12	30	70
DLD-FZ-80	80	1010	690	200	425	1210	473	40	0.12	50	87
DLD-FZ-100	100	1280	950	200	550	1580	473	40	0.18	80	106
DLD-FZ-150	150	1470	1110	200	630	1870	473	50	0.18	150	197
DLD-FZ-200	200	1860	1310	200	720	2360	617	50	0.25	320	248
DLD-FZ-250	250	1985	1385	200	745	2490	720	50	0.25	490	360
DLD-FZ-300	300	2350	1660	150	845	3150	770	50	0.37	710	486
DLD-FZ-350	350	2350	1660	150	845	3150	770	50	0.37	970	653
DLD-FZ-400	400	2505	1725	150	845	3310	930	50	0.37	1260	765
DLD-FZ-450	450	2555	1750	150	845	3360	1020	50	0.37	1600	814
DLD-FZ-500	500	2600	1775	150	845	3500	1020	65	0.55	1970	920

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

INSTALLATION FIGURE



Single filter



Parallel filters

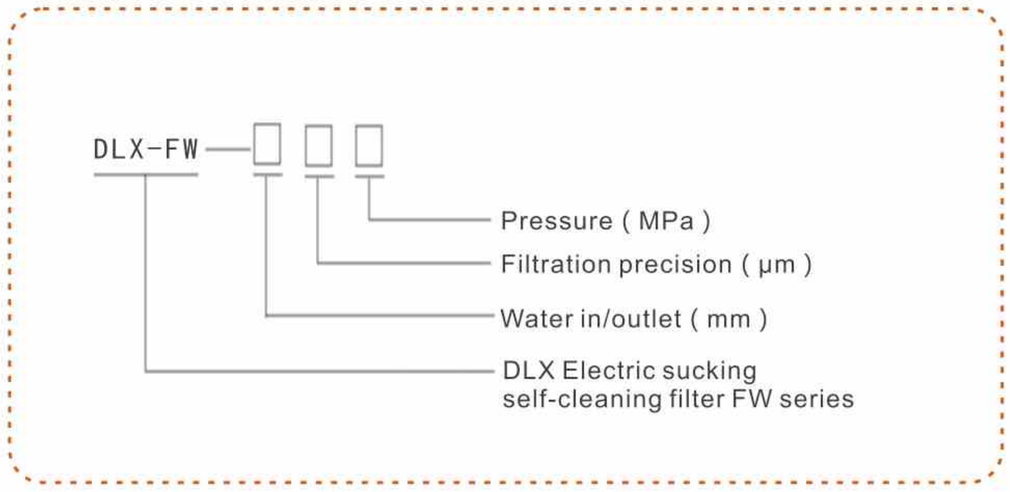
* Note: the arrow in the diagram is the direction of flow.

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.

MODEL CLARIFICATION



FILTER MATERIAL

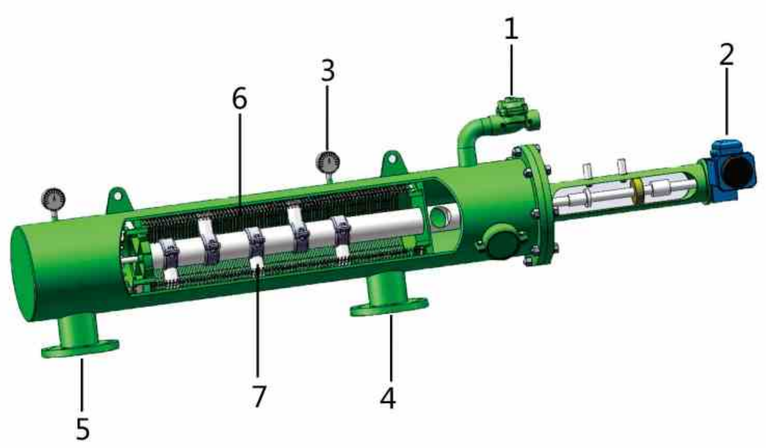
Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Sucking scanner: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Sealing ring: EPDM rubber
Control box:PVC/Aluminium

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

TECHNICAL PARAMETERS

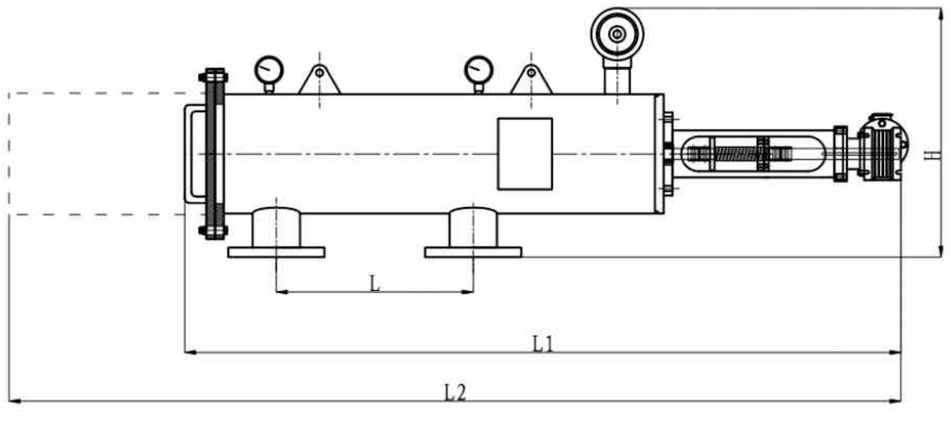
Single maximum filter flow:1200m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤65℃
Power:380V/50Hz(customized)
Control way: Pressure difference/time/manually/PLC
Cleaning way: Sucking type
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)
Motor power:0.18~1.5KW

PRODUCT STRUCTURE CHART

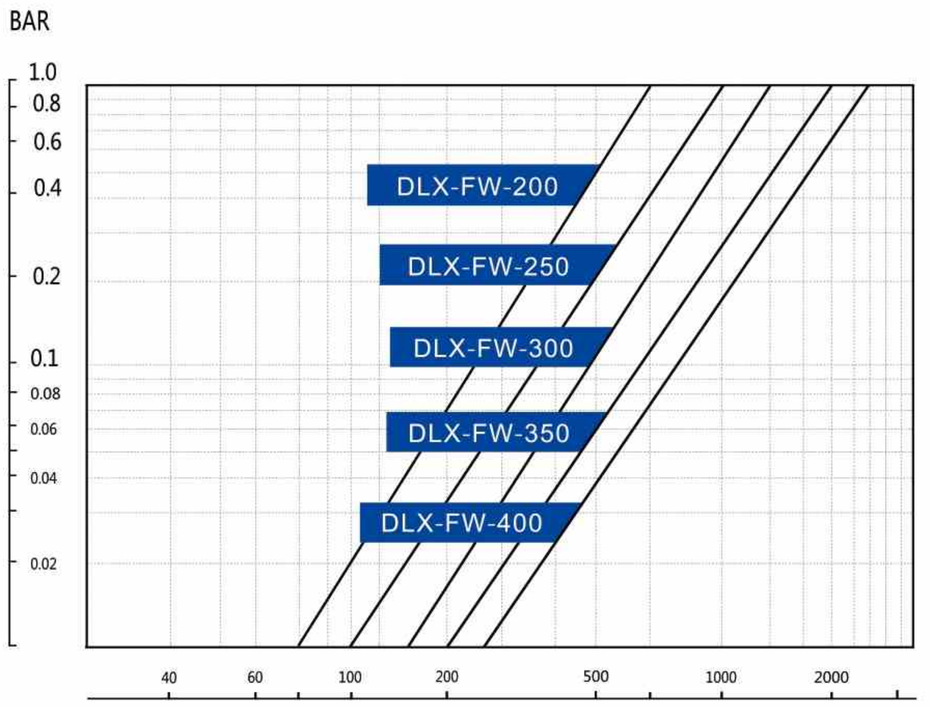


1.Automatic drain valve 2.Electric motor 3.Pressure gauge
4.Water outlet 5.Water inlet 6.Screen 7.Cleaning nozzle

SIZE CHART



THE TABLE PRESSURE LOSS



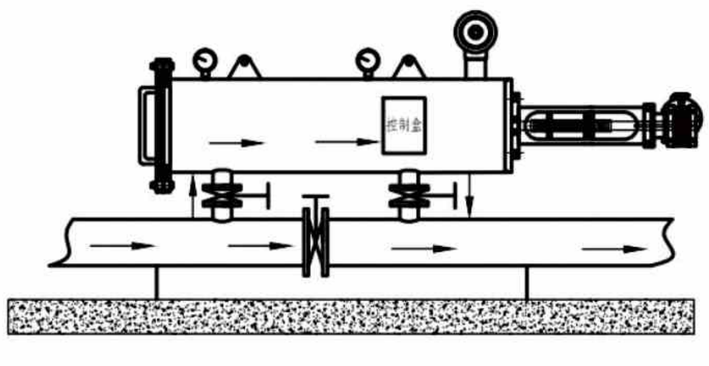
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

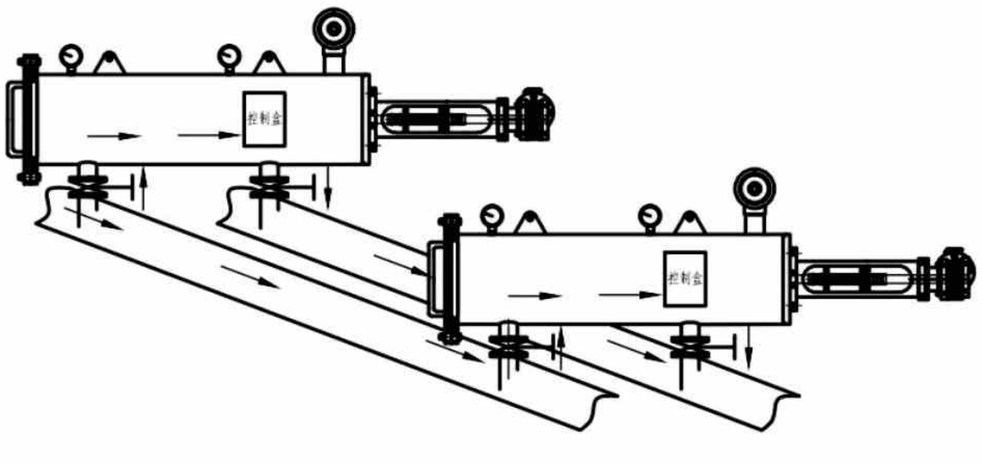
MODEL	WATER IN/OUTLET (mm)	L(mm)	L1(mm)	L2(mm)	H(mm)	DRAIN OUTLET (mm)	MOTOR POWER (KW)	FLOW (m^3/h)	WEIGHT (Kg)
DLX-FW-80	80	450	1775	2475	493	40	0.25	50	180
DLX-FW-100	100	450	1775	2475	493	40	0.25	80	198
DLX-FW-150	150	900	2175	3175	545	50	0.25	150	328
DLX-FW-200	200	900	2175	3175	617	50	0.25	320	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.

INSTALLATION FIGURE



Single filter



Parallel filters

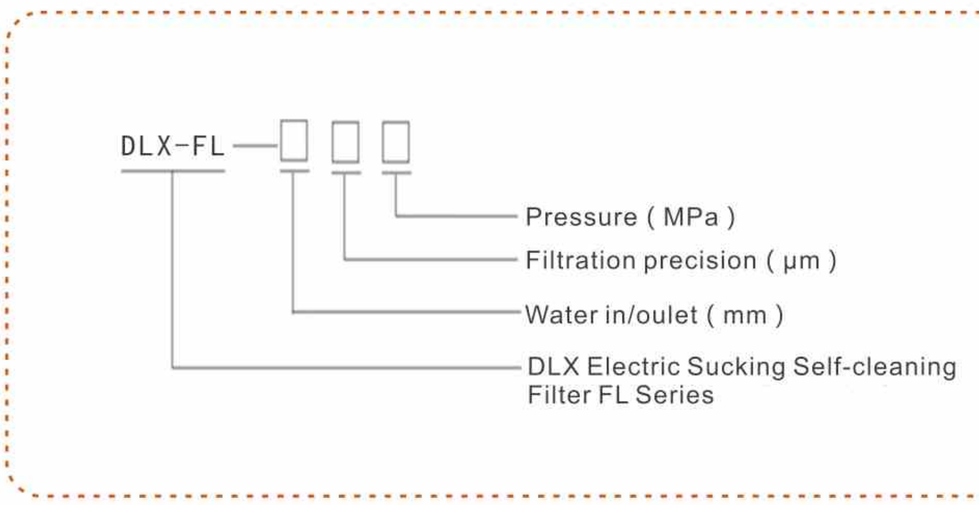
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

DLX ELECTRIC SUCKING SELF-CLEANING FILTER FL 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.

MODEL CLARIFICATION



FILTER MATERIAL

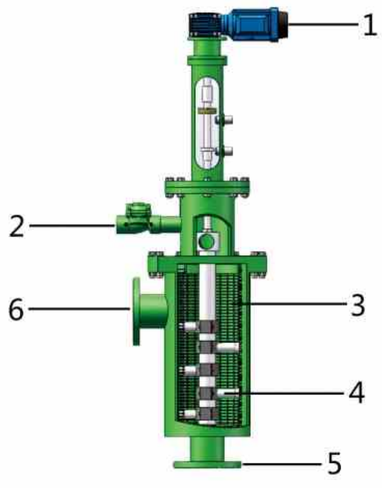
Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Sucking scanner: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Sealing ring: EPDM rubber
Control box:PVC/Aluminium

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

TECHNICAL PARAMETERS

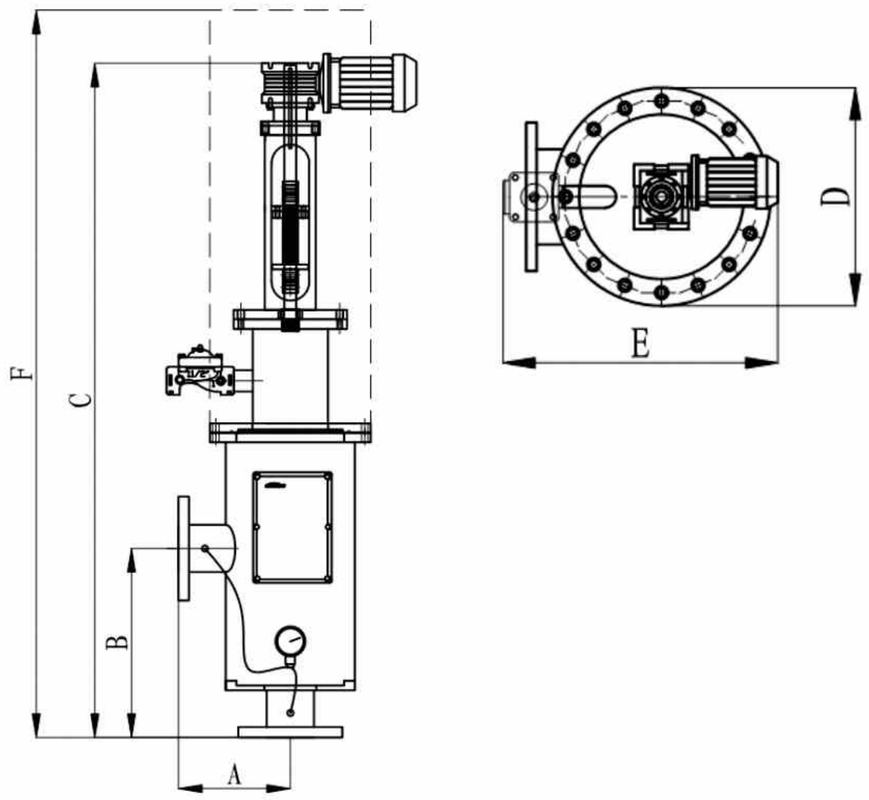
Single maximum filter flow:2000m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤65℃
Power:380V/50Hz(customized)
Control way: pressure difference/time/manually/PLC
Cleaning time:10~200 seconds(optional)
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

PRODUCT STRUCTURE CHART

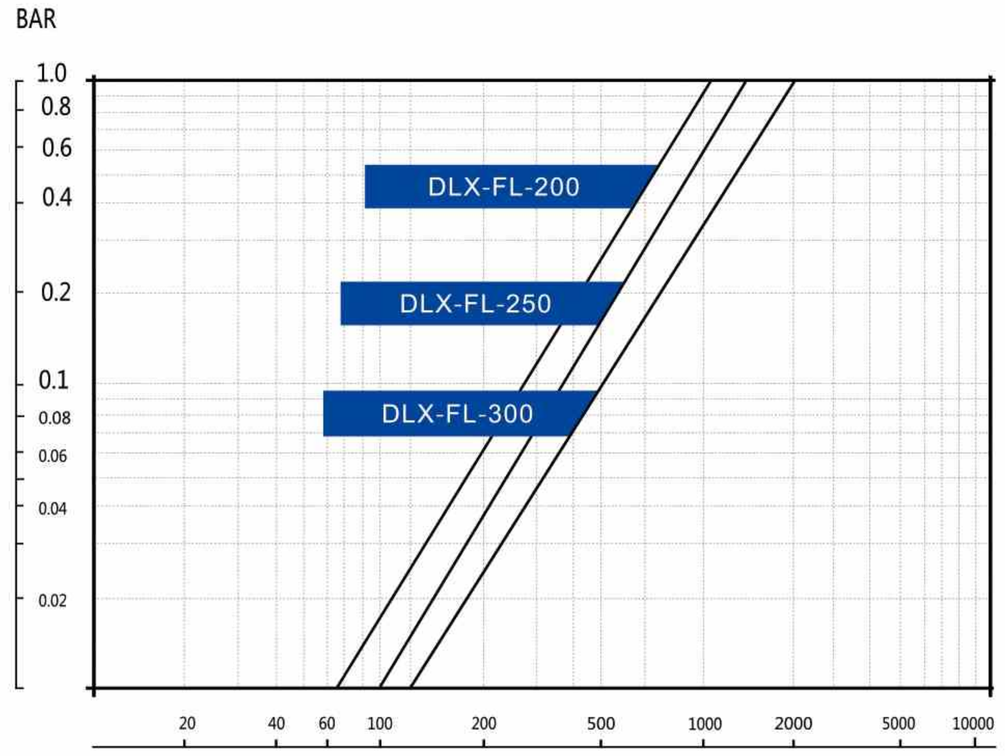


1.Electric motor
2.Automatic drain valve
3.Screen
4.Cleaning nozzle
5.Water inlet
6.Water outlet

SIZE CHART



THE TABLE PRESSURE LOSS



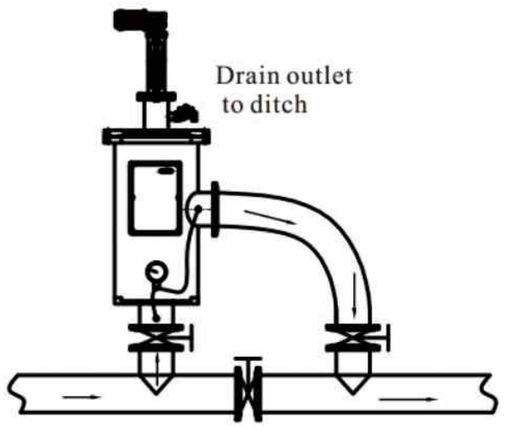
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

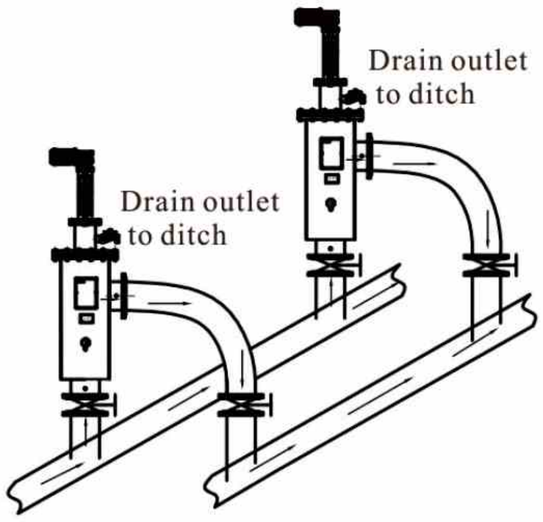
MODEL	WATER IN/OUTLET (mm)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	DRAIN OUTLET (mm)	FLOW (m^3/h)	MOTOR POWER (KW)	WEIGHT (Kg)
DLX-FL-50	50	240	250	1177	560	340	1277	25	19	0.25	50
DLX-FL-65	65	240	250	1177	560	340	1277	25	30	0.25	70
DLX-FL-80	80	240	250	1177	560	340	1277	40	50	0.25	80
DLX-FL-100	100	240	400	1427	560	340	1527	40	80	0.25	105
DLX-FL-150	150	240	490	1557	560	340	1660	50	150	0.25	180
DLX-FL-200	200	285	685	2057	560	377	2260	50	320	0.25	235
DLX-FL-250	250	333	745	2270	583	426	2550	50	490	0.25	280
DLX-FL-300	300	395	830	2445	635	530	3095	50	710	0.25	420

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

INSTALLATION FIGURE



Single filter



Parallel filters

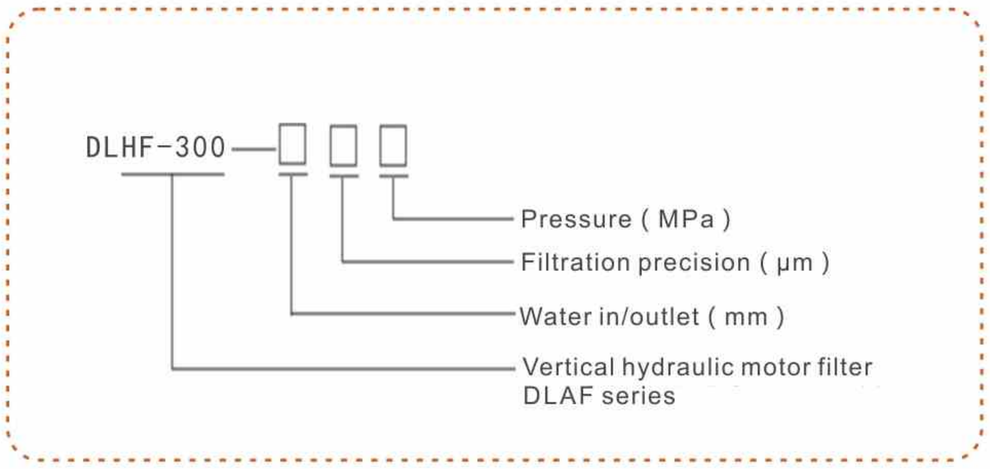
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

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(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.

MODEL CLARIFICATION



FILTER MATERIAL

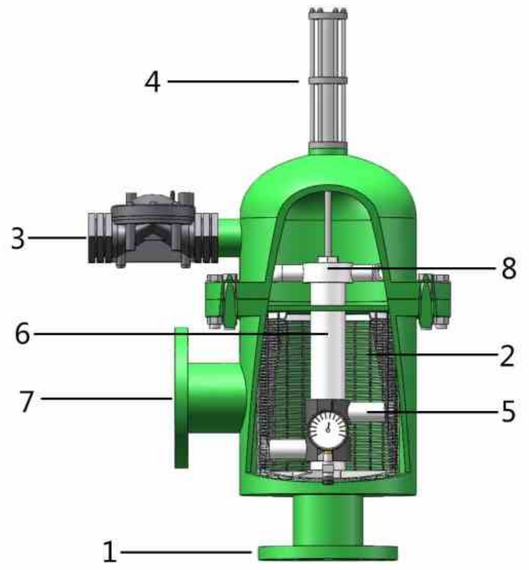
Housing: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Sucking scanner: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Sealing ring: EPDM rubber
Control box:PVC/Aluminium

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

TECHNICAL PARAMETERS

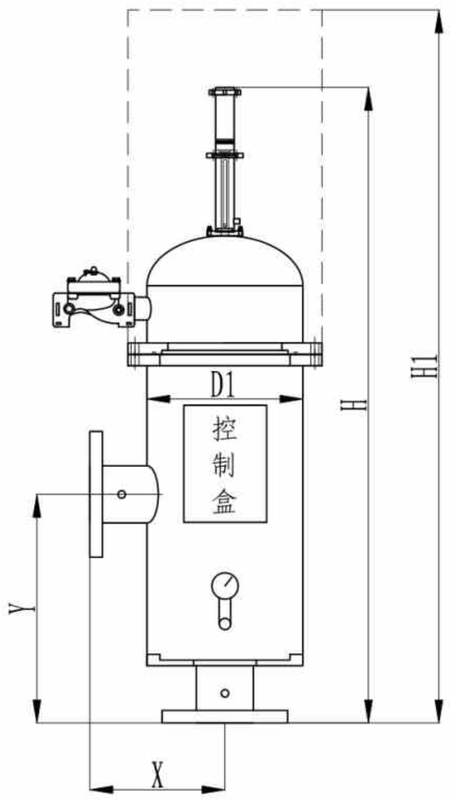
Single filter flow:10-200m³/h
Filtration range:25μm~400μm
Max working pressure:16 bar
Min working pressure:1 bar
Working temperature≤85℃
Pressure loss:0.1 bar
Control way: pressure difference/time/manually
Cleaning time:10-200seconds(optional)
Power:220V/50Hz
DC:9V
Self-cleaning filter completely depends on the water pressure
of the system and without external power.
Screen material:SS316L sintered

PRODUCT STRUCTURE CHART

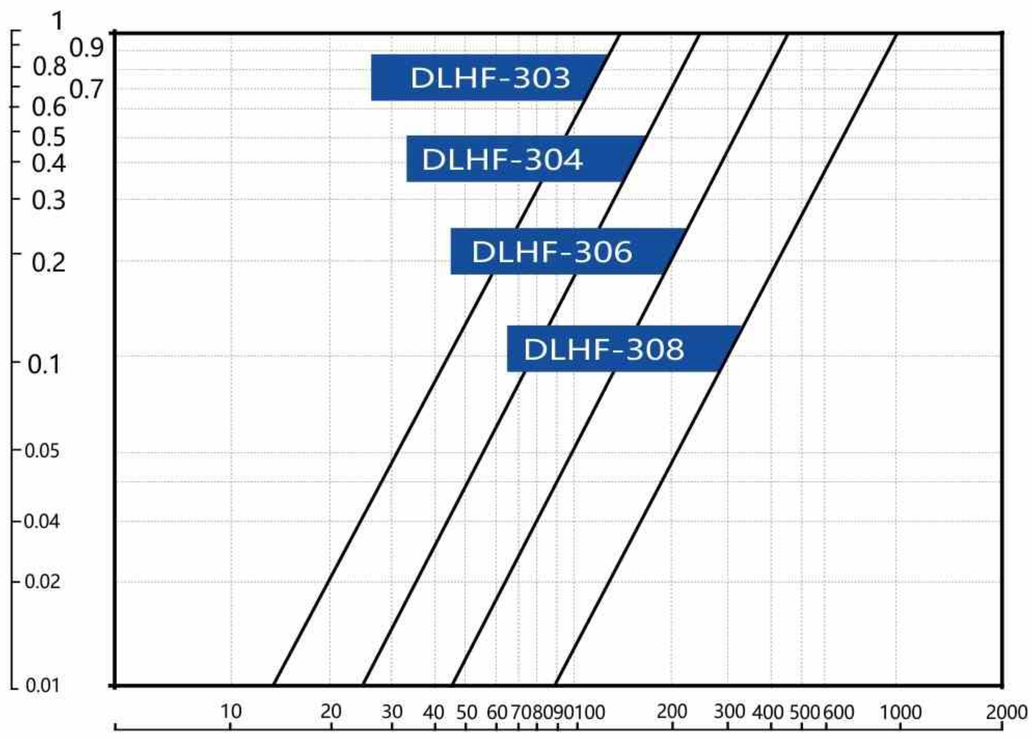


1.Water inlet
2.Screen
3. Automatic drain valve
4.Hydraulic piston
5.Suction nozzle
6.Sucking axis
7.Water outlet
8.Hydraulic motor

SIZE CHART



THE TABLE PRESSURE LOSS



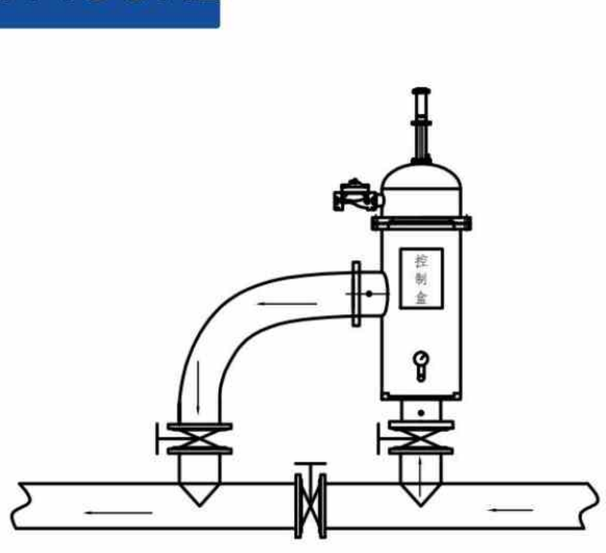
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

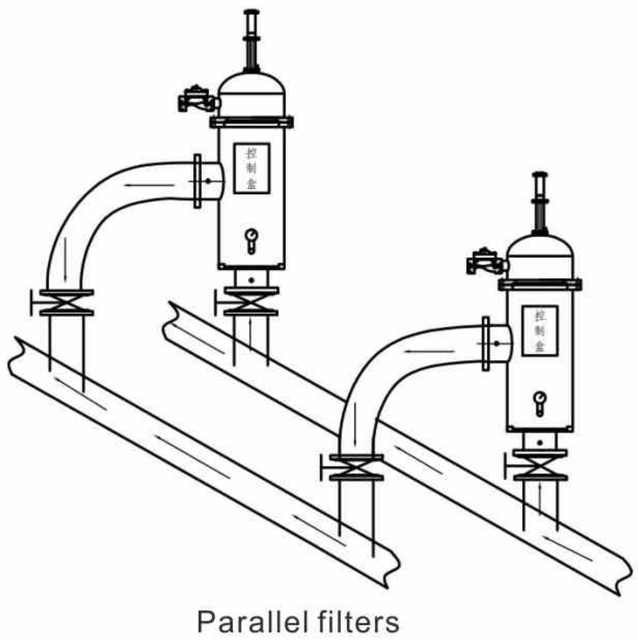
MODEL	INLET OUTLET (mm)	SCREEN AREA (cm^2)	D1(mm)	X(mm)	Y(mm)	H(mm)	H1(mm)	FLOW (m^3/h)	WEIGHT (Kg)
DLHF-302	50	1720	273	217	150	855	1100	20	20
DLHF-303	80	1720	273	217	150	855	1100	50	50
DLHF-304	100	1720	273	237	150	855	1630	80	80
DLHF-304MAX	100	3430	273	237	400	1105	3000	100	100
DLHF-306	150	4330	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

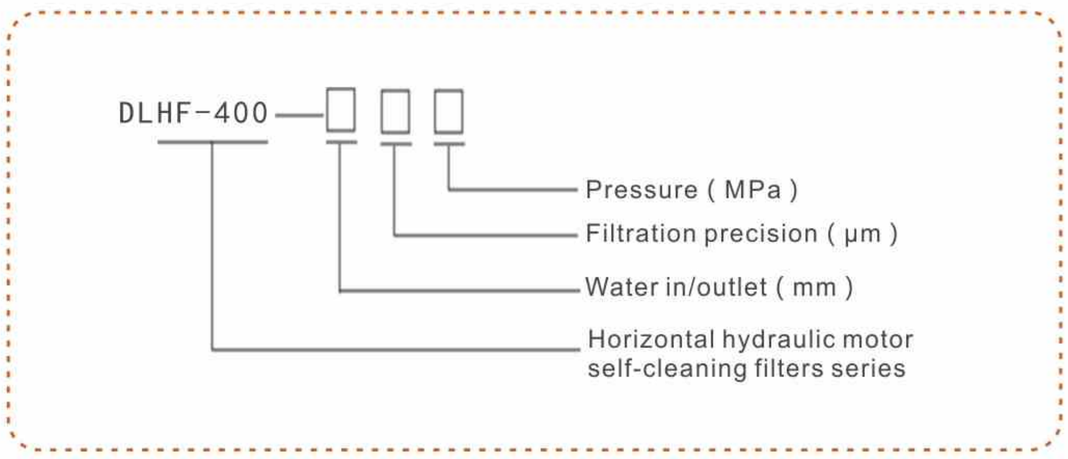
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

HYDRAULIC SELF-CLEANING FILTERS
DLHF-400 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.

MODEL CLARIFICATION



FILTER MATERIAL

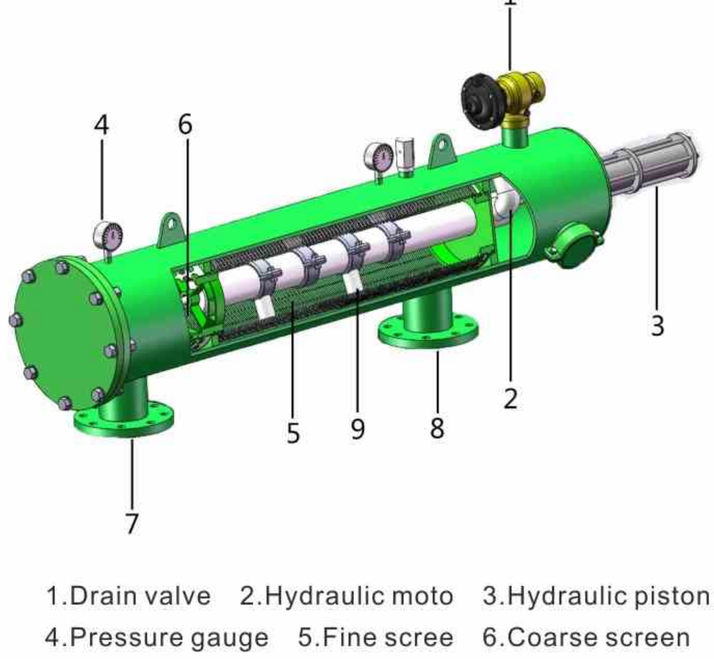
Shell: carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Sucking scanner: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel, nylon
Sealing ring: EPDM rubber
Control box:PVC/Aluminium

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

TECHNICAL PARAMETERS

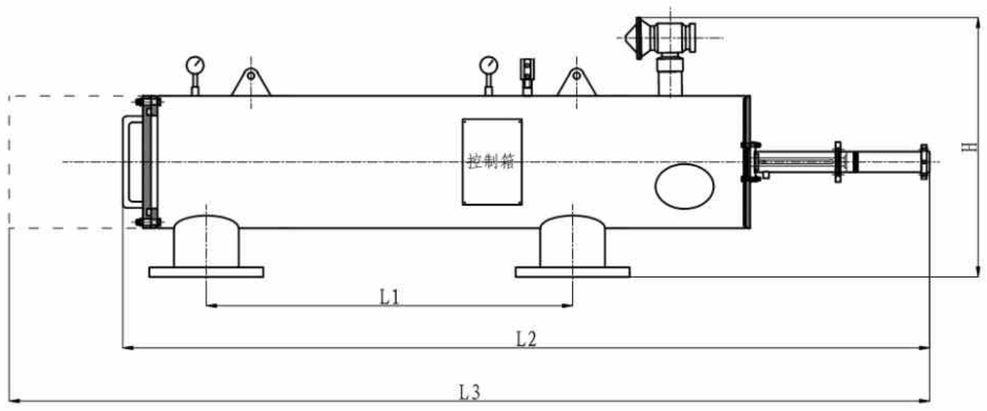
Single filter flow:50-1500m³/h
Filtration range:4000μm~25μm
Max working pressure:16 bar
Min working pressure:1 bar
Working temperature≤65℃
Pressure loss:0.1 bar
Control way: pressure difference/time/manually
Cleaning time:10-200seconds(optional)
Power:220V/50Hz
DC:9V
Self-cleaning filter completely depends on the water pressure inside the system and without external power
Screen material:SS361L sintered mesh

PRODUCT STRUCTURE CHART

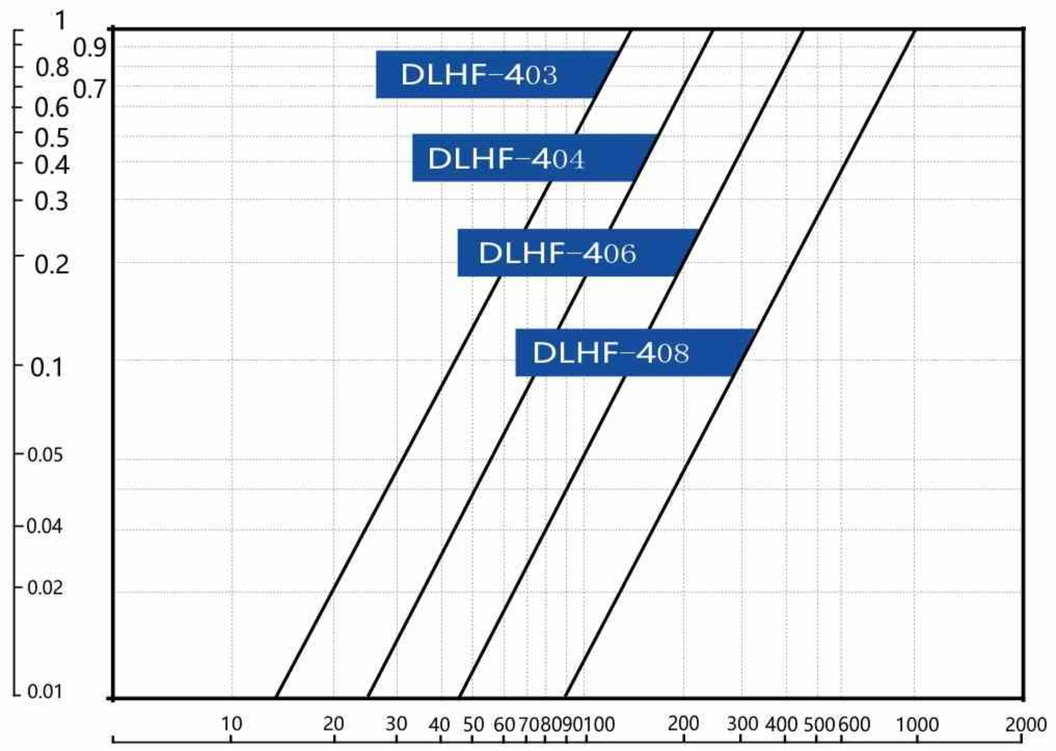


1.Drain valve 2.Hydraulic moto 3.Hydraulic piston
4.Pressure gauge 5.Fine scree 6.Coarse screen
7.Water inlet 8.Water outlet 9.Suction nozzle

SIZE CHART



THE TABLE PRESSURE LOSS

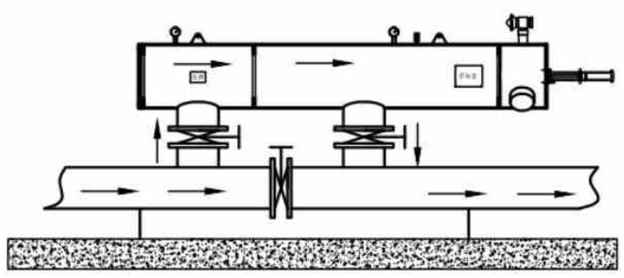


TECHNICAL DATA TABLE

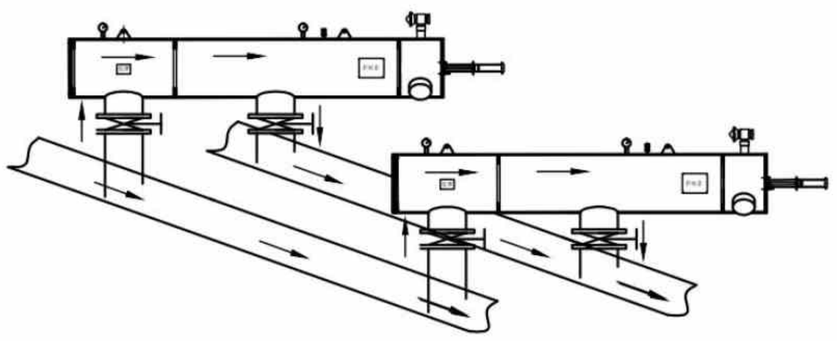
MODEL	INLET OUTLET (mm)	SCREEN AREA (cm^2)	D1 (mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	H(mm)	FLOW (m^3/h)	WEIGHT (kg)
DLHF403	80	3220	273	450	1141	1575	2075	555	50	140
DLHF404	100	5780	273	900	1505	1935	2735	555	100	170
DLHF406	150	5780	325	900	1505	1935	2735	625	150	183
DLHF406MAX	150	8410	273	900	1841	2275	3471	555	160	205
DLHF408	200	5780	325	900	1685	2115	2915	625	250	195
DLHF408MAX	200	8410	325	900	2085	2515	3715	625	300	235
DLHF410	250	8090	426	900	1885	2315	3515	726	350	250
DLHF410MAX	250	8410	377	900	2085	2515	3715	677	400	270
DLHF410PLUS	250	11710	426	1100	2725	3155	4755	736	450	430
DLHF412	300	11710	426	1100	2725	3155	4755	736	600	435
DLHF414	350	12990	480	1270	2725	3155	4755	810	1000	455
DLHF416	400	12990	480	1270	2725	3155	4755	810	1200	480
DLHF416MAX	400	17020	630	1270	2725	3155	4755	1010	1500	680

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

INSTALLATION FIGURE



Single filter



Parallel filters

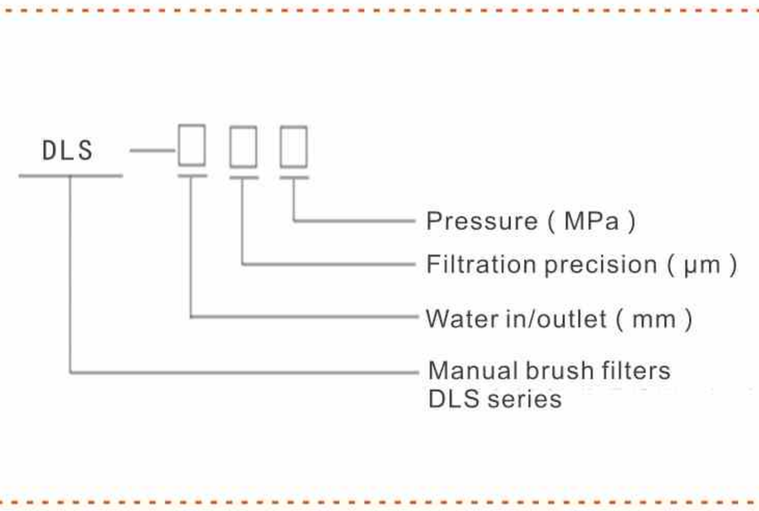
* Note: the arrow in the diagram is the direction of flow.
Vertical or horizontal installation and multiple parallel are available.

MANUAL BRUSH SCREEN FILTER DLS SERIES

PRINCIPLE DESCRIPTIONS

Manual brush filter is composed by filter body, stainless steel screen, cleaning brush holder with handle, drain valve and pressure gauge. Cleaning brush holder through the filter cover, and the cleaning brush is installed inside the stainless steel filter, When the water flows through manual brush filter, the impurity is intercepted by the filter., when need to drain, just shake the handle clockwise to open the drain valve number, can complete drainage, don't need to remove the filter cleaning internal mesh, cleaning sewage process flow do not interrupt.

MODEL CLARIFICATION



FILTER MATERIAL

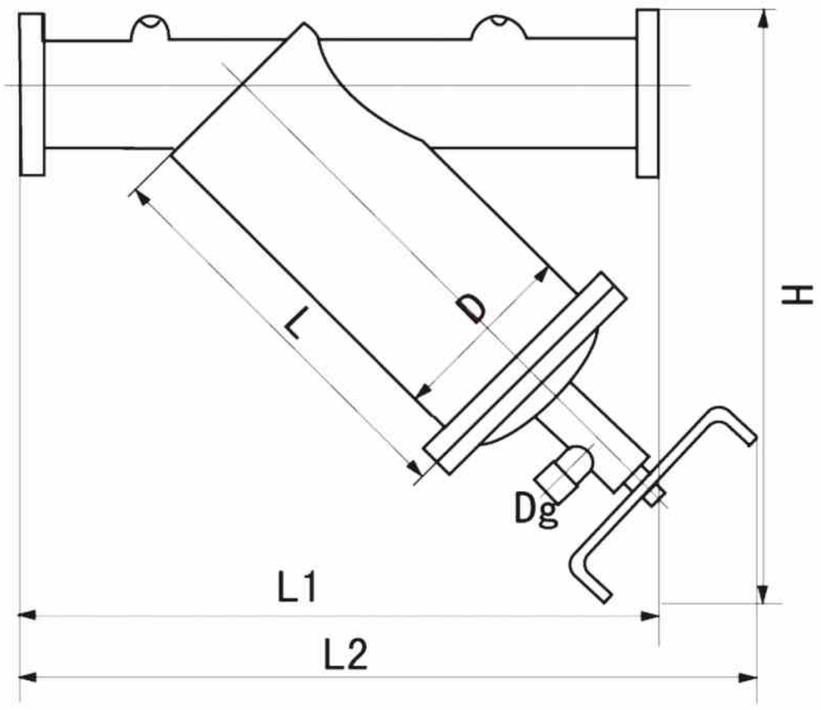
Housing: Carbon steel/304 stainless steel/316L
Mesh:304 stainless steel/316L
Brush: 304 stainless steel/316L
Drain valve: Casting iron, copper, stainless steel
Sealing ring: EPDM rubber

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

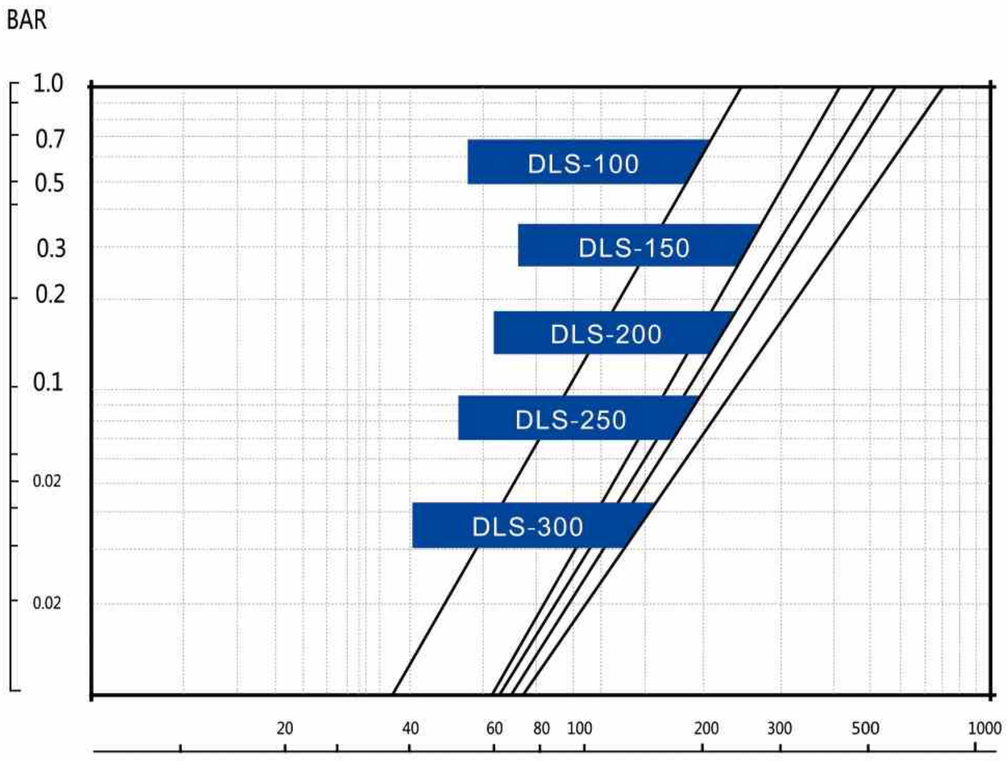
TECHNICAL PARAMETERS

Single maximum filter flow:970m³/h
Filtration range:4000μm~20μm
Max working pressure≤16 bar(customized)
Min working pressure≥1 bar
Working temperature≤85℃
Cleaning way: brush
Drilling(4000~800μm)
Wedge(1000~50μm)
Woven composite(800~20μm)

SIZE CHART



THE TABLE PRESSURE LOSS



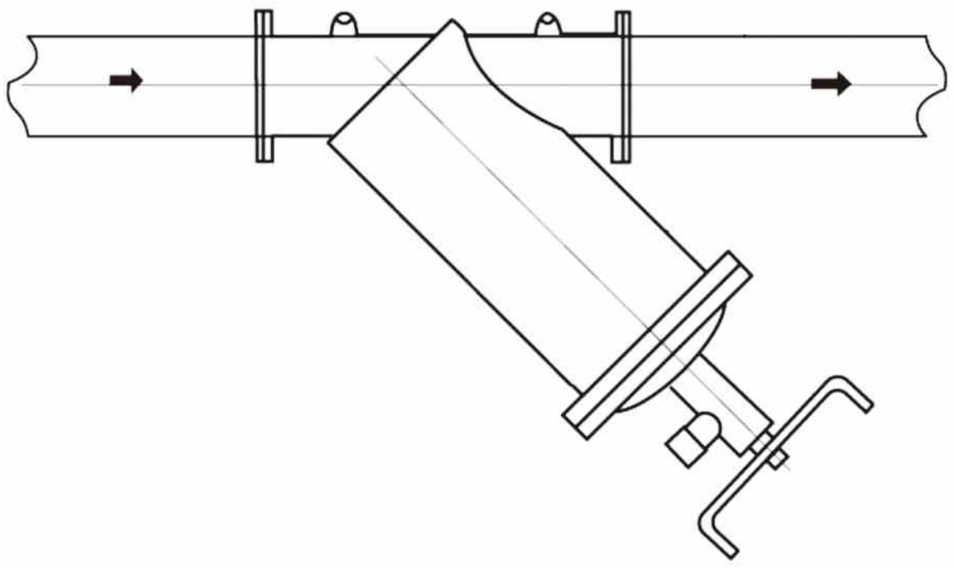
(The data are gotten when screen is 120 micron.) (m^3/h)

TECHNICAL DATA TABLE

MODEL	INTERFACE DIAMETER (mm)	L1(mm)	L2(mm)	L(mm)	D(mm)	H(mm)	DRAIN OUTLET (mm)	MAX FLOW (m^3/h)
DLS-50	50	500	710	330	159	500	25	19
DLS-80	80	550	710	330	159	550	25	50
DLS-100	100	670	810	430	159	670	32	80
DLS-150	150	800	950	480	275	800	32	150
DLS-200	200	900	1050	560	325	900	40	320
DLS-250	250	1200	1350	744	377	1200	50	490
DLS-300	300	1250	1630	780	426	1250	65	710
DLS-350	350	1300	1980	820	478	1300	65	970

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

INSTALLATION FIGURE



* Vertical or horizontal installation and multiple parallel are available. Please keep the drain face down when vertical installation.

Desulphurization wastewater filtration

Agricultural irrigation water filtration

Cooling water filtration of copper iron plant

Cooling water filtration of automobile plant

Cooling water filtration of buildings

River water filtration

Power plant cooling water filtration

Farm circulating water

Filtration for irrigation

MAKING FILTRATION OF DIFFERENCE

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