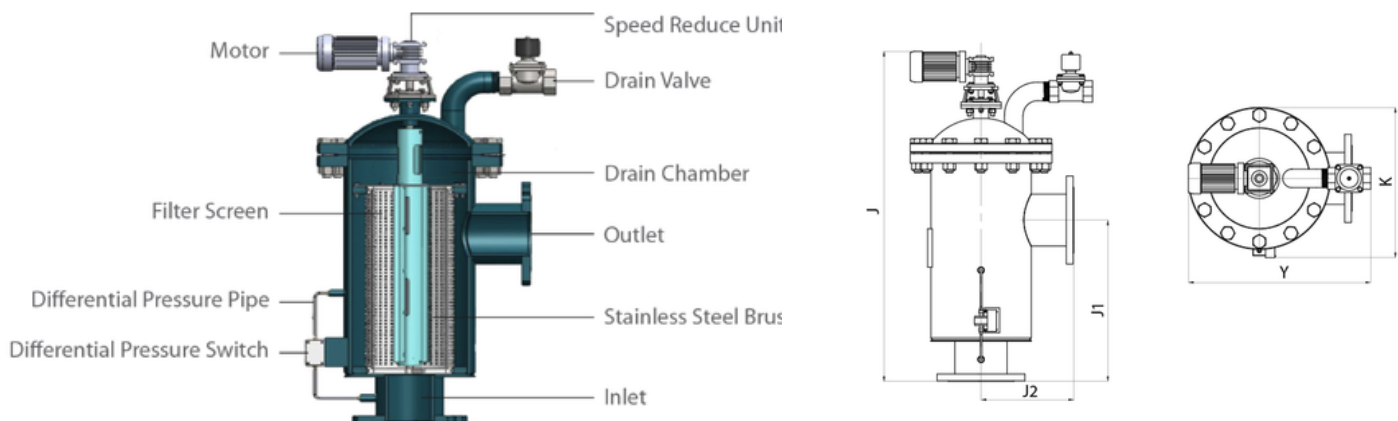


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• Filtration Process

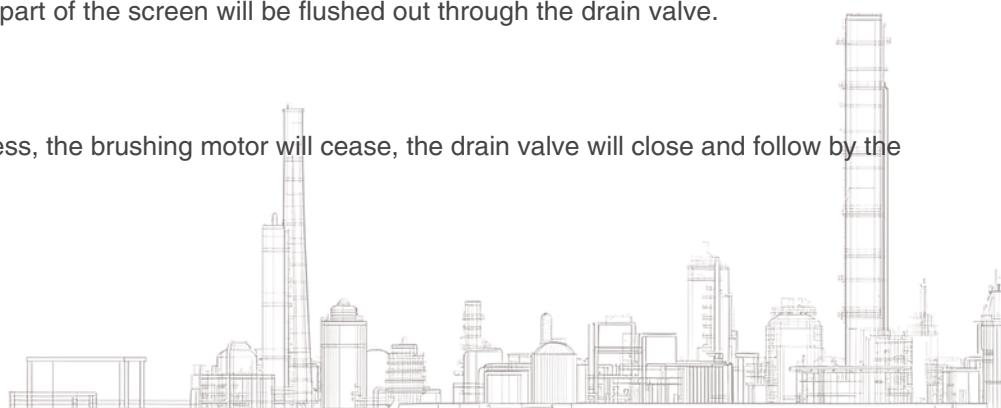
Water flows in from the inlet, fully fill in the internal of the filter screen and drain chamber while the drain valve is closed. Water starts going through the filter screen from internal to external. Filtered water will flow out from the outlet. During the filtration process, inlet pressure (bottom) become higher while outlet pressure has built up to 2 bar or the timer has achieved the setting time, the cleaning process will be started.

• Cleaning Process

When the drain valve opens, foreign particles inside the filter screen and drain chamber will be flushed out through the drain valve. After few seconds later, the motor starts kicking in through the speed reducer unit, the stainless steel brush will start to turn into the filter screen, brushing the internal part of the filter screen. During the cleaning process, foreign particles sticking on the internal part of the screen will be flushed out through the drain valve.

• Filtration Process Again

After 60 seconds of the cleaning process, the brushing motor will cease, the drain valve will close and follow by the filtration will resume its operation.



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SPECIFICATIONS

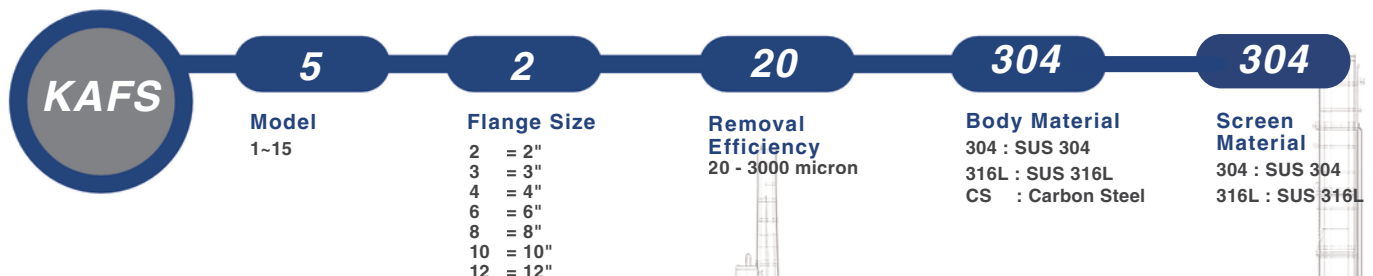
Material Strainer	SUS304, SUS316L, CS (Carbon Steel)
Material	SUS304, SUS316L
Inlet/Outlet	5", 6" Flange
Connection	ANSI Flange, JIS Flange, DIN Flange, BS
Type	Flange
Max. Pressure	1.6Mpa
Driven	PCB Control
Filtration	Single layer strainer
Cleaning	SS Brush

Control	Differential pressure & timer
Filtration rating	20 ~ 3000 micron
Cleaning time	10 ~ 60 seconds
Pressure lost	Less than 0.018MPa
Max. Temp.	95°C
Housing material	Carbon steel with inner epoxy coating, SS304, SS316L
Filter screen material	SS304, SS316L
Seal material	Graphite

No.	Inlet/ Outlet	Flow Rate	Power (W)
1	DN25	4	90
2	DN40	10	90
3	DN50	16	180
4	DN80	45	180
5	DN100	65	250
6	DN125	100	250
7	DN150	150	250
8	DN200	230	250
9	DN250	410	550
10	DN300	590	550
11	DN350	800	550
12	DN400	1050	750
13	DN450	1320	750
14	DN500	1630	1100
15	DN600	2350	1100

No.	Inlet/ Outlet	J (mm)	J2 (mm)	Y (mm)	K (mm)	Weight (kg)
1	DN25	760	235	450	400	48
2	DN40	760	235	450	400	52
3	DN50	760	235	450	400	55
4	DN80	760	235	450	400	73
5	DN100	1070	300	590	520	106
6	DN125	1070	300	590	520	137
7	DN150	1070	300	590	520	154
8	DN200	1300	320	590	487	248
9	DN250	1550	380	720	610	360
10	DN300	1826	510	820	805	486
11	DN350	2100	530	820	936	653
12	DN400	2360	580	1098	1111	765
13	DN450	2632	700	1199	1213	814
14	DN500	2919	730	1288	1250	920
15	DN600	3510	830	1458	1440	1038

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KETCOTEC (M) SDN. BHD.
6, Jalan 3/5, Bandar Baru Selayang,
68100 Batu Caves Selangor, Malaysia

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