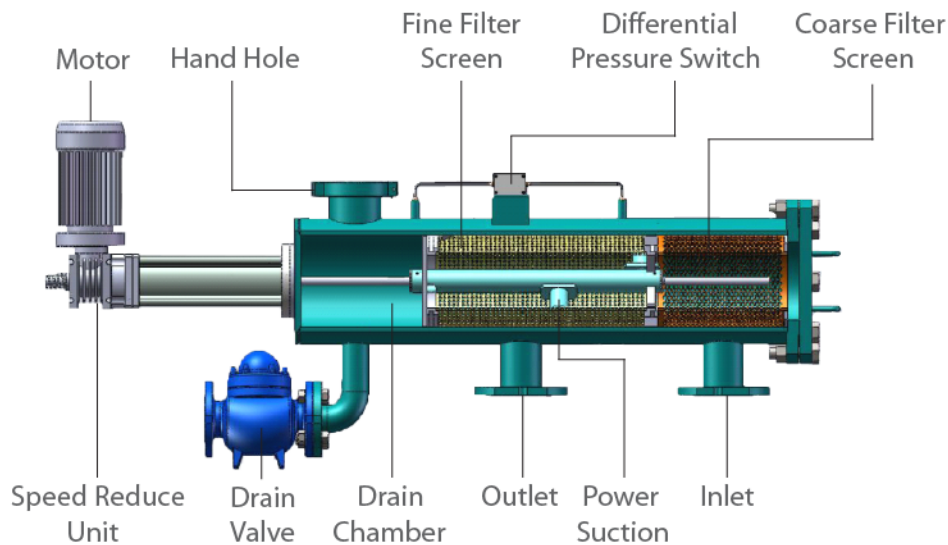




## RSHY SERIES Automatic Cleaning Filtration System



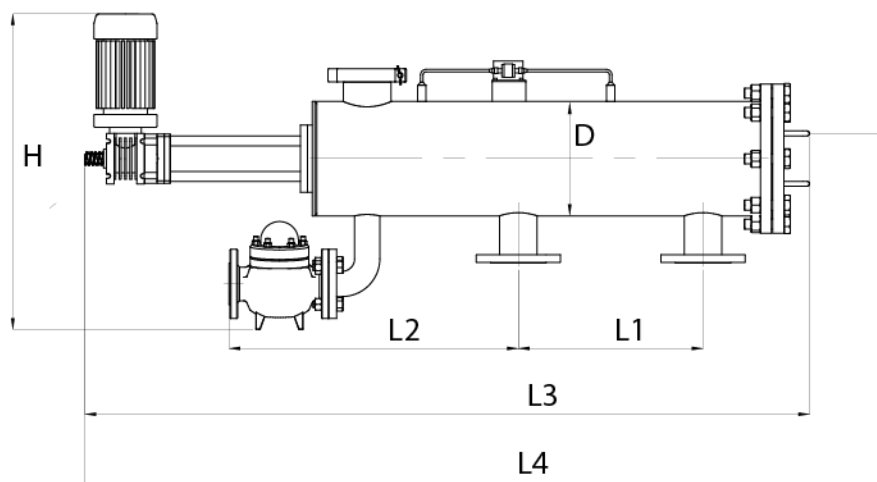
MODEL	IN/OUTLET (INCH)	FLOW RATE M3/HR	POWER (KW)	MINIMUM PRESSURE (Mpa)	MAXIMUM PRESSURE (Mpa)
RSHY-1	DN25	45	0.55	0.3	4
RSHY-2	DN32	65	0.55	0.3	4
RSHY-3	DN50	105	0.55	0.3	4
RSHY-4	DN80	45	0.55	0.3	4
RSHY-5	DN100	65	0.55	0.3	4
RSHY-6	DN125	105	0.55	0.3	4
RSHY-7	DN150	150	0.55	0.3	4
RSHY-8	DN200	260	0.55	0.3	4
RSHY-9	DN250	410	0.55	0.3	4
RSHY-10	DN300	590	0.55	0.3	4
RSHY-11	DN350	800	0.55	0.3	4
RSHY-12	DN400	1050	0.55	0.3	4
RSHY-13	DN450	1320	0.55	0.3	4
RSHY-14	DN500	1630	0.55	0.3	4
RSHY-15	DN600	2350	0.55	0.3	4

RSHY -	6 - 10	-	AF	-	304	-	304
Series	Model	In/Outlet	Connection Type		Housing Material		Strainer Material
RSHY	1 to 12	4 = 4" 8 = 8"	AF = ANSI Flange JF = JIS Flange DF = DIN Flange BF = BS Flange		304 = SUS 304 316L = SUS 316L CS = Carbon steel		304 = SUS 304 316L = SUS 316L



## RSHY SERIES Automatic Cleaning Filtration System

Driven	: PCB Control
Filtration	: Single layer strainer
Cleaning	: Power Suction Head
Control	: Differential pressure & timer
Filtration Rating	: 10 ~ 300 micron
Washing Time	: 10 ~ 60 seconds
Pressure Lost	: Less than 0.018MPa
Max. Temperature	: 95 degree C
Max. Pressure	: 4.0 MPa
Housing Material	: Carbon steel with inner epoxy coating, SS 304, SS 316L
Filter Screen Material	: SS 304, SS 316L
Seal Material	: Graphite

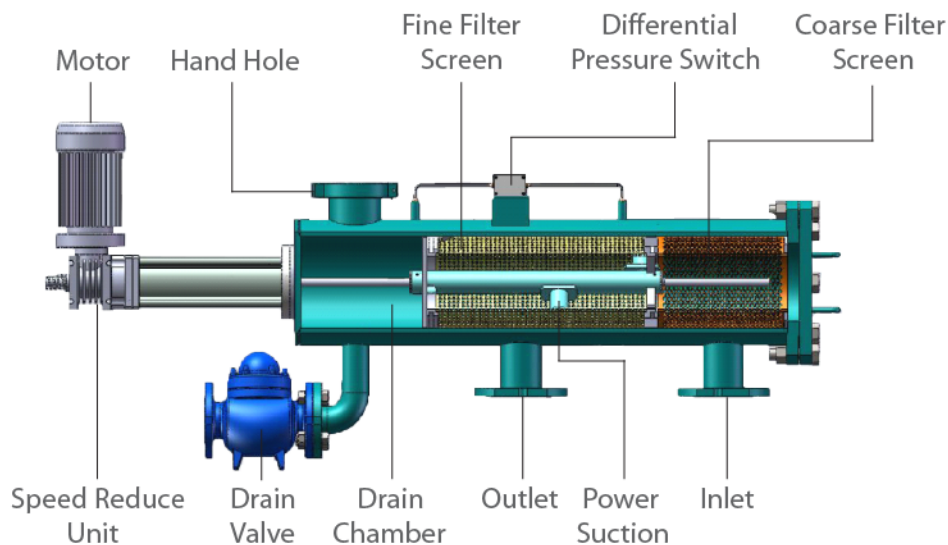


Note : L4 is the length require when take out the filter screen

MODEL	IN/OUTLET	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	H (mm)	D (mm)	Weight (kg)
RSHY-1	DN25	450	442	1590	2010	615	273	117
RSHY-2	DN32	450	442	1590	2010	615	273	117
RSHY-3	DN50	450	442	1590	2010	615	273	117
RSHY-4	DN80	450	442	1590	2010	615	273	117
RSHY-5	DN100	450	442	1590	2010	615	325	120
RSHY-6	DN125	900	457	2050	2870	687	377	221
RSHY-7	DN150	900	457	2050	2870	687	426	225
RSHY-8	DN200	900	457	2190	3010	687	480	245
RSHY-9	DN250	1100	472	2430	3200	784	480	411
RSHY-10	DN300	1100	720	3120	4290	784	630	512
RSHY-11	DN350	1270	550	3120	4290	835	720	632



## RSHY SERIES Automatic Cleaning Filtration System



### Filtration Process

Water flows in from inlet, fully fill in the internal of the filter screen and drain chamber while the drain valve is closed. Water starts going through the coarse filter screen from external to internal, then going through again the fine filter screen from internal to external. Filtered water flows out from outlet. During the Filtration Process, the inlet pressure become higher and higher while outlet pressure become lower and lower. When differential pressure between inlet and outlet 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 power suction start to turn into the filter screen, sucking the foreign particles in the internal part of the fine filter screen. During the cleaning process, the foreign particles sticking on the internal part of the fine filter 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 the filtration will resume its operation.