



Rotary drum precision filter

Working principle:

The rotary drum precision filter is composed of equipment structure module, filter module, driving system, backwashing system and automatic control system.

After the sewage enters the equipment, the automatic control system starts the driving system to drive the drum to rotate, and starts the backwashing system at the same time. Under the action of gravity, the sewage flows out of the drum from the drum, and the suspended solids in the water are intercepted in the drum by the filter screen. The drum rotates slowly, and the backwash pump draws filtered water to backwash the filter screen. The washed dirt falls into the collection tank inside the drum and is discharged outside the equipment through the blowdown pipe.

When sewage enters the equipment, the driving system and backwashing system operate continuously without intermission.



Selection parameter table:

Model	HWL -3000	HWL -3000	HWL -10000	HWL -15000	HWL -3000	HWL -25000	HWL -30000
Processing capacity	3000	5000	10000	15000	20000	25000	30000
Overall dimension	290x122x 147	290 x 160x 206	380 x 160x 222	470 x 160x 222	560 x 160x 222	560 x 176x 250	650 x 176x 250
Screen area (m ²)	1.5	2.5	5	7.5	10	12	15
Outlet diameter	DN200	DN300	DN500	DN500	DN600	DN700	DN700
Reduction motor power	0.55	0.55	0.75	1.1	1.5	1.5	1.5
Backwash pump power	1.1	1.1	2.2	3	4	4	5.5
Backwashing water	20	20	40	60	80	80	100
Backwash pressure (bar)	7.5	7.5	7.5	7.5	7.5	7.5	7.5

Note: The designed inlet SS \leq 30 mg/L and outlet SS \leq 10 mg/L. When the inlet SS exceeds the design value, please contact our technicians for model selection.