

KLS Fine Screen

1. Operational Principle

Wastewater is distributed evenly in the declining grating net after it flows into the upper overflow tank of the equipment through the inlet pipe. It flows along the grating net by gravity; water flows down from the grating net gap, and then falls into the bottom water tank of the equipment to drain away. The solid materials are trapped in the grating net, and under the effect of subsequent flow impulsive force and own gravity, it moves to the grating net bottom falling into the slag collection device. The separation of solid materials and wastewater is then complete.

2. Structure Features and Applications

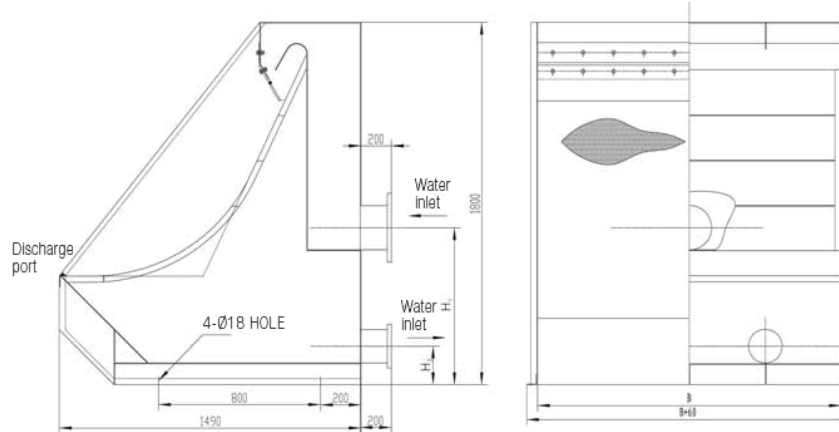
This equipment is suitable for removing minor non-sticky fibrous and particulate matter. The main part of the grating uses inverted trapezoidal cross-section stainless steel to weld together. Its advantages are: good water capability, no clogging, corrosion resistance, easy to clean, simple structure of equipment, energy-efficient due to less power consumption, reliable operation of equipment, convenient installation and use.



3. Main Technical Parameters

Model	Parameters	Grating net gap (mm)	Grating Width (mm)	Inlet Height H ₁ (mm)	Outlet Height H ₂ (mm)	Inlet Flange Specification	Outlet Flange	
							Specification	Quantity
KLS-500		0.2 ~ 3.0	500	900	200	DN125	DN150	1
KLS-750		0.2 ~ 3.0	750	900	200	DN150	DN200	1
KLS-1000		0.2 ~ 3.0	1000	900	220	DN150	DN250	1
KLS-1200		0.2 ~ 3.0	1200	900	250	DN200	DN300	1
KLS-1500		0.2 ~ 3.0	1300	900	220	DN200	DN200	2
KLS-1800		0.2 ~ 3.0	1400	900	220	DN250	DN250	2

4. Equipment Outline and Schematic Diagram



5. Processing Capacity Table (selection reference)

unit: m³/h

Model	Parameters	Grating Net Gap (mm)										
		0.2	0.2	0.35	0.5	0.8	1.0	1.2	1.5	2.0	2.5	3.0
KLS-500		20	30	35	50	80	100	120	150	200	250	300
KLS-750		30	45	52	75	120	150	180	225	300	375	450
KLS-1000		40	60	70	100	160	200	240	300	400	500	600
KLS-1200		50	72	84	120	190	240	290	360	480	600	720
KLS-1500		60	90	105	150	240	300	360	450	600	750	900
KLS-1800		70	105	120	180	280	350	420	525	700	900	1050