

6. Dimension Table

Model	Parameters	Grid Net Gap mm (Papermaking Wastewater)									
		0.2	0.25	0.3	0.35	0.5	0.8	1.0	1.2	1.5	2.0
KLRS-600		28	39	50	58	80	94	132	140	160	330
KLRS-800		32	43	53	65	85	125	175	190	210	440
KLRS-1050		38	52	64	78	102	150	210	236	252	525
KLRS-1200		42	57	70	86	112	165	230	250	275	580
KLRS-1350		55	70	100	120	170	250	330	385	430	840
KLRS-1500		110	140	200	230	330	500	640	720	880	1700

KLJF Screw-type Dewatering Device

1. Operational Principle

Materials are sent to the dewatering device through the pump or other methods. The extrusion screw installed on the sieve net makes the dehydrating material liquid pass to the dewatering device within 30 RPM. The liquid inside will be filtered by sieve net, and the solid materials which are formed in the machine mouth will be separated by extrusion.

2. Structure Features and Applications

The dewatering device body uses carbon steel or stainless steel material; the extrusion screw and sieve net are also made of stainless steel. The extrusion screw is special reinforcement by wing leaf to prevent abrasion; sieve net could choose meshes with different gaps, such as 0.5mm, 0.75mm, 1.0mm. The head of machine is dry and humidity is adjusted according to the different requirements of solid materials. KLJF Screw-type Dewatering Device is the hanging pipe structure, and its axle seat components directly connect with speed reducer, relay the guide rod to fixed end and the screw propeller connects with axle seat components through keyway. Mesh sieve is pushed forward through the guide groove and the materials enhance the feeding effect through vibrator. This equipment with its innovative structure principle goes through a stable and reliable operation, high efficiency, convenient operation and maintenance and has less vulnerable parts. It can be used for solid waste removal (waste residue, sludge) which has higher moisture content for further dehydration.



3. Main Technical Parameters

Model	Spiral Rotation rate (/min)	Motor Power (kW)	Processing Capacity (m ³ /h)	Dimension (LxBxH) (mm)	Used material
KLJF300-A	30	5.5	2~8	2000x900x600	Fine fibers
KLJF300-B	30	5.5	5~12	2000x900x600	Medium fine fibers
KLJF300-C	30	5.5	8~20	2000x900x600	Coarse fibers

4. Equipment Outline and Schematic Diagram

