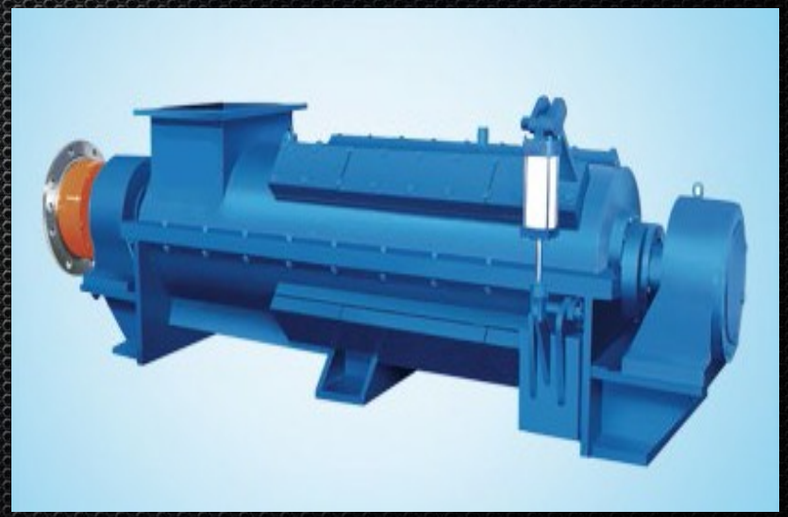
ZDR

Roll type disperser



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Application:

ZDR series roll type disperser is a single roll type one, and is a key machine widely used for the dispersion of waste paper pulp. It is generally used to deal with hot melt and sticky impurities such as grease and paraffn wax, and special ink particles. It is also called kneader.

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ZDR series roll type disperser consists of rotor, stator, body, feeding inlet, outlet, driving device, control system and heating system, etc.

The pulp-feeding screw conveys the pulp at a consistency of 28% or higher into the disperser. The pulp is heated to 100 ° C by steam in the Meanwhile, the pulp is intensively stirred, sheared and kneaded in between the rotor and stator. As a result, the impurities that are body stuck to fibers, such as hot-melting and sticky substances as well as ink, etc. Are peeled off from the fibers a nd dispersed into line particles;

meanwhile, the impurity particles that mix in the pulp, such as plastics and rubber, etc., shrink into grain particles so that they are easy to be removed in the following screening and pulp-washing sections. No spoil to the fber itself. High effciency in dispersing and removing ink particles and pulp of wet strength paper which are difficult to be removed in waste paper pulping.

Under the conditions of consistencies of 28% or higher and temperatures equal to or higher than 100'C, the disperser's stirring, shearing and kneading functions can disperse hot melt impurities effectively, such as grease and paraffn wax, etc. And the impurities with high melting points can also be dissolved for easy removal.

Steady and reliable structure, easy and safe in maintenance and operation. Reliable systems, such as pneumatic controlled pulp-discharging and load controlling system, and so on, ensure the optimal performance of the disperser.

Model	ZDR2	ZDR3	ZDR4	ZDR5	ZDR6	ZDR7
Capacity (T/d)	30~40	40~60	60~80	80~120	120~180	180~300
Diameter(Mm)	ф500	ф550	ф600	ф650	ф700	ф800
Working Consistency (%)	≥28	≥28	≥28	≥28	≥28	≥28
Working Temperature (°C)	100±5	100±5	100±5	100±5	100±5	100±5
Working Time(Min)	2	2	2	2	2	2
Steam Consumption (Kg/t)	0.1~0.25	0.1~0.25	0.1~0.25	0.1~0.25	0.1~0.25	0.1~0.25
Steam Consumption (Kg/t)	150~250	150~250	150~250	150~250	150~250	150~250
Compressed Air Pressure (Mpa)	0.7	0.7	0.7	0.7	0.7	0.7
Motor Power (Kw)	90-110	110-160	160-200	200-250	250-315	280-355