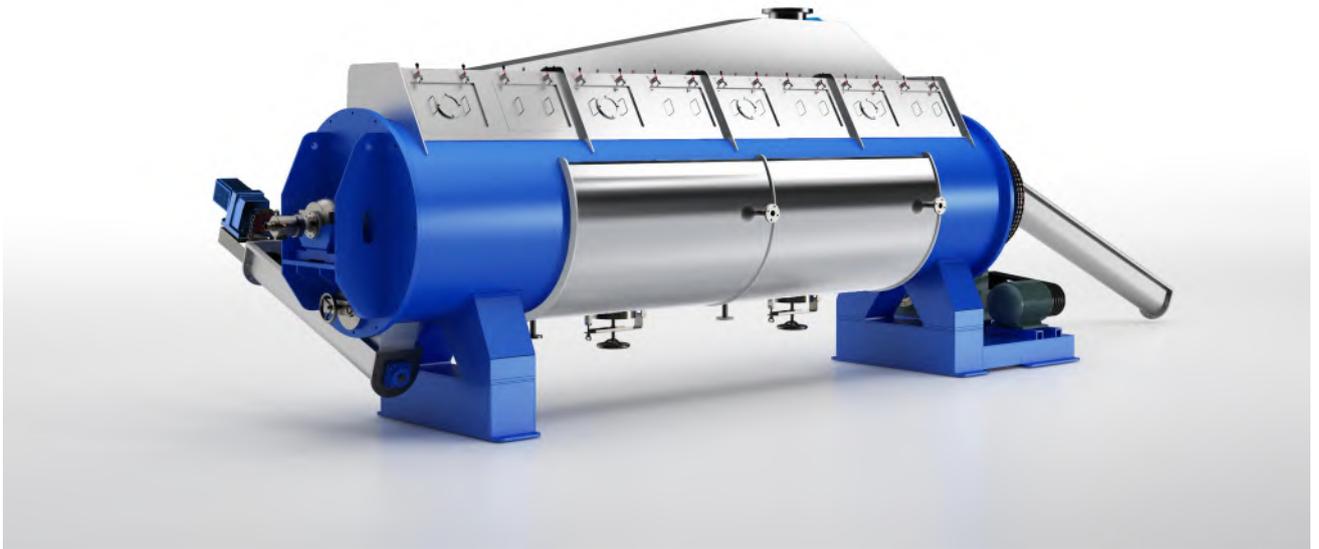




# SLUDGE DRYER



**BEST DRYER MANUFACTURER FROM CHINA**



## Introduction

QY series sludge dryer, different from traditional dryer, has a unique spindle design. The main shaft does not expose the welding seam, avoids the welding seam directly contacting the material, and prevents the material from wearing and corroding the welding seam, thus greatly prolonging the service life of the dryer.

Our sludge dryer can be manufactured into various sizes and specifications according to the demand of output and under the conditions of transportation. Our sludge dryer can also be made of carbon steel Q345, stainless steel 304, 316L or bidirectional stainless steel according to the nature of the material.

- Double disc design, large heating area, high energy efficiency.
- Slight vacuum condition to effect evaporation below 95°C.
- Special mechanical design for hiding all welding seams, to ensure long service time.
- Optional heating jacket for extra heating area.
- Condensate recover design for more than 20% energy saving



## Applications



Fish meal, Meat Bone Meal, Feeds Drying



Water Product Scraps Drying



Waste Solid Drying



Slag, Cinder, Chemical Material Drying

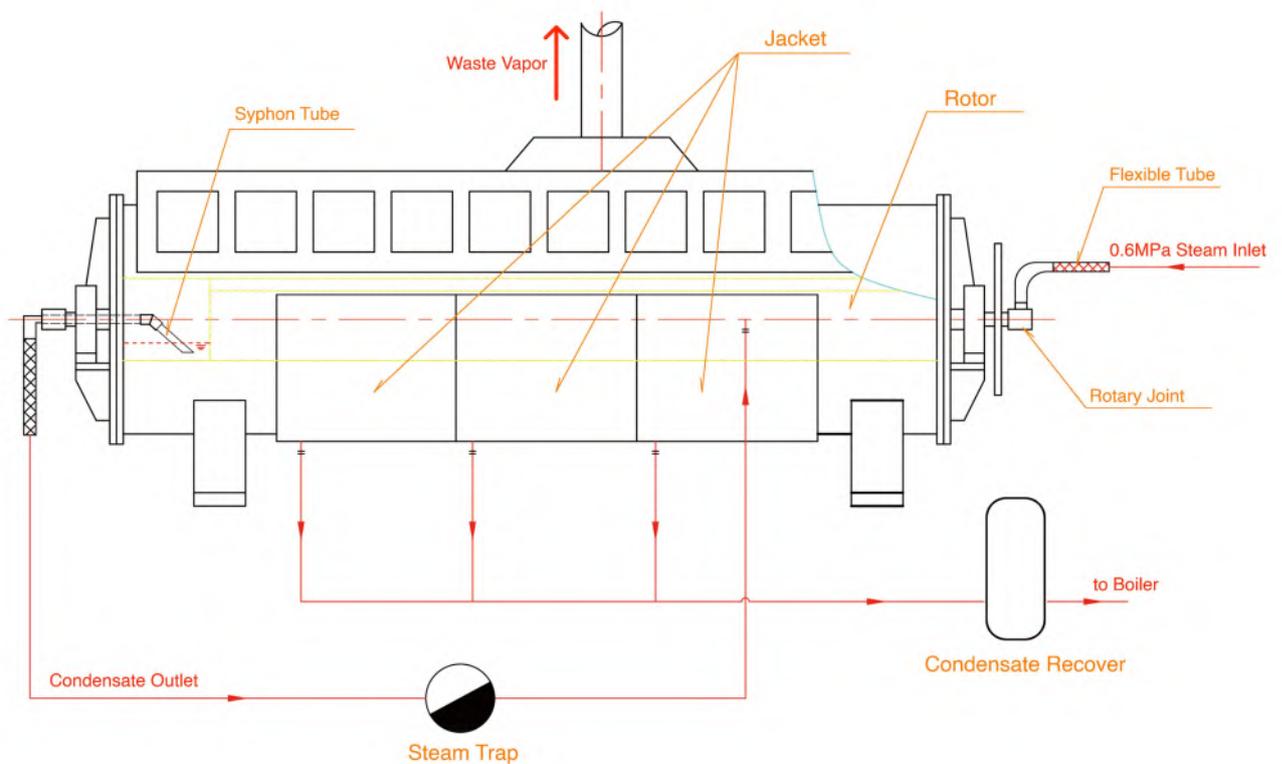


Vinasse Drying



Municipal Sludge, Biochemical Sludge Drying

## Working Principle



QY series sludge dryer uses saturated steam as heat source (rated steam pressure 0.6MPa), which belongs to indirect steam dryer. It is mainly heated by the main shaft, and can also be heated through the interlayer of the outer casing. The spindle speed is slow, usually 10 to 12 rpm.



The material is slowly transferred from the feed end to the discharge end through the pusher system on the outer edge of the blade. The discharge is controlled by a speed-adjustable screw conveyor, which is convenient to adjust the size and speed of the discharge according to the needs.

The heating blades are installed on high-quality seamless steel pipes, and combined with an efficient condensate drainage system, the heating area of the blades can be utilized to the maximum efficiency and a good heat exchange efficiency can be maintained. A stainless steel scraper is installed between the heating blades, which can stir the material, prevent the material from being piled up between the blades, and ensure the complete evaporation of water. The water vapor passes through the stainless steel air collecting hood at the top of the dryer, and is continuously discharged from the machine under the action of the induced draft fan.

## Model Selections

Model	Disc Diameter	Size(mm)	Motor Power(kw)	Heating Area(m <sup>2</sup> )	Capacity(Mt/24h)
QY-50	1200	7600x2000x2850	37	96	50
QY-80	1450	8300x2500x3100	45	158	80
QY-100	1450	10000x2500x3100	55	198	100
QY-150	1700	11200x2500x3200	75	261	150
QY-200	1950	11800x3000x3500	110	350	200

Material selection according to different raw materials: carbon steel, 304, 316L, double-sided stainless steel, etc.





**“ We only have one earth, Let’s take care of it.  
Wastewater effluent and odorous gas emission must  
be treated before discharging back to the  
environment.  
”**

## CONTACT US

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