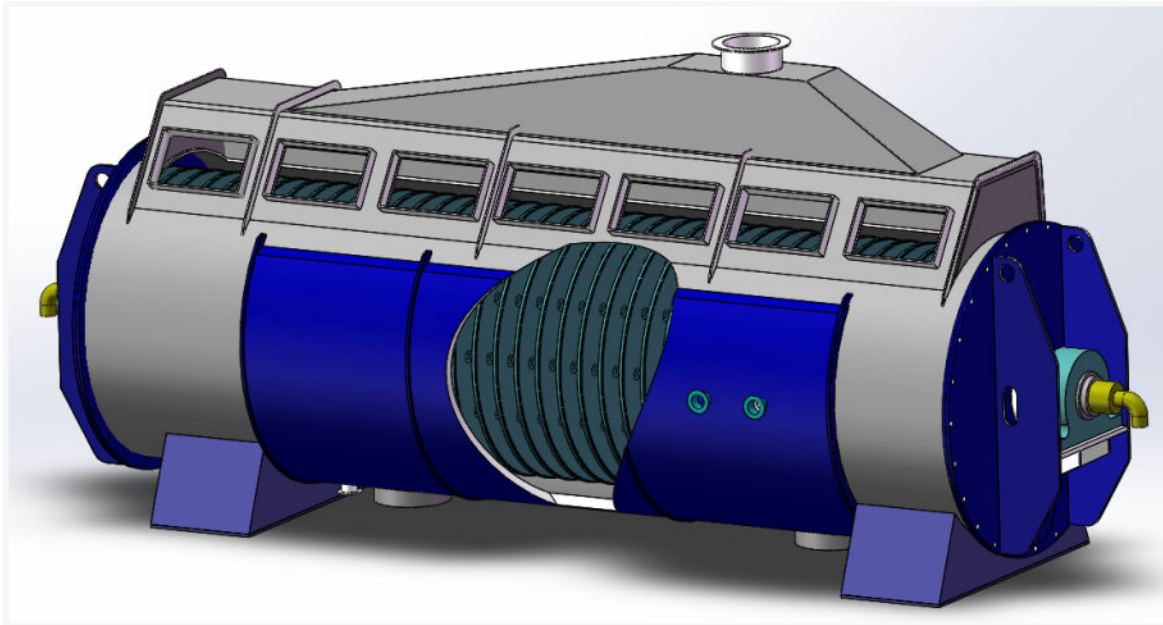




Sludge Drying System



QY-SG series sludge drying system, EU advanced technology, double disc dryer, special mechanical design for protecting all welding seams, in-direct steam heated, continuously drying.

Features

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



Applications:

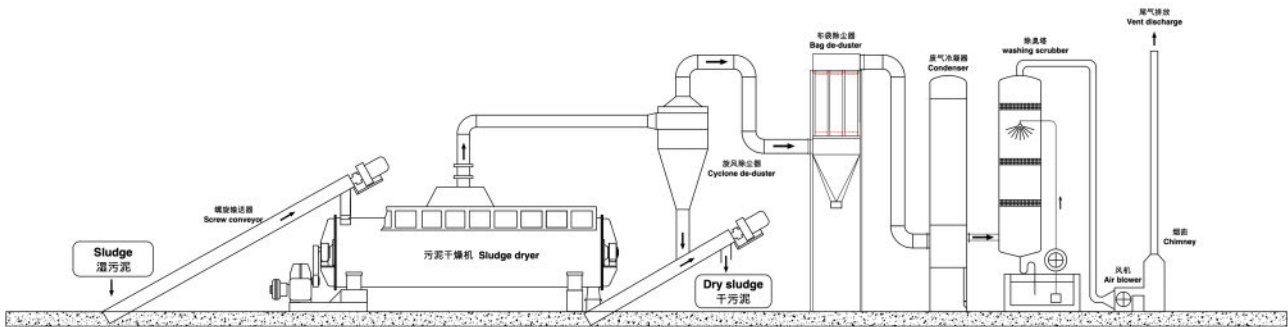
QY-SG series sludge drying system is perfect for industrial and sewage wastewater sludge drying, also suitable for fish meal, starch, vinasse and other feeds or foods drying.





Complete sludge drying process

The complete sludge drying system contains screw conveyor, disc dryer, de-duster, vapor condenser and washing scrubber. Wet sludge from screw press sludge dehydrator usually contains 70-80% moisture. Sludge is continuously fed by the screw conveyor to the disc dryer where it will be heated. The moisture in the material vaporizes and drawn by air blower. The waste gas from the dryer will be de-dusted before entering vapor condenser. The condenser turns most vapor into condensate. The vent gas will be washed in a chemical washing scrubber before discharged through chimney. The dry sludge usually contains 20-30% moisture.



Flow diagram of sludge drying system



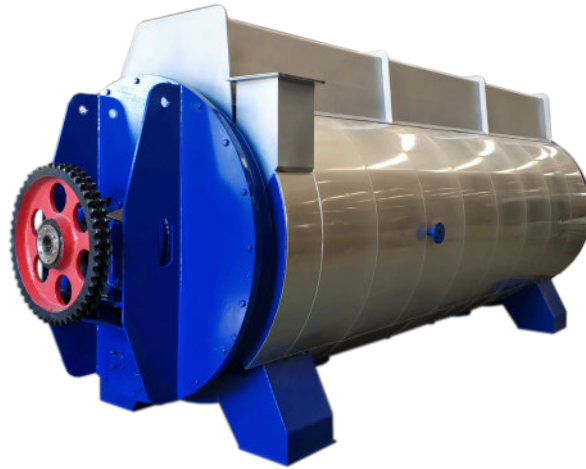
Dryer and bag de-duster



Condenser and washing scrubber



QY-SG series dryer model options



MODEL	DISC DIA	EFFECTIVE HEATING AREA	DRYER DIMENSIONS	MOTOR POWER	WEIGHT	SLUDGE TREATMENT CAPACITY
QY-SG-50	1200mm	96m ²	7600x2000x2850mm	37kw	19Ton	1.2(Mt/h)
QY-SG-80	1450mm	158m ²	8300x2500x3100mm	45kw	23Ton	2(Mt/h)
QY-SG-100	1700mm	198m ²	10000x2500x3200mm	55kw	27Ton	2.5(Mt/h)
QY-SG-150	1700mm	261m ²	11200x2500x3200mm	75kw	37Ton	3.3(Mt/h)
QY-SG-200	1950mm	350m ²	11800x3000x3500mm	110kw	45Ton	4.4(Mt/h)

Material options according to different raw material: MS, SS304, 316L, DSS

Our Service

Our experienced and trained team of engineers help you with model selection, system designing, machinery installation and operation training. Call us or email us, our trained technicians are available whenever you need.





Project photos

