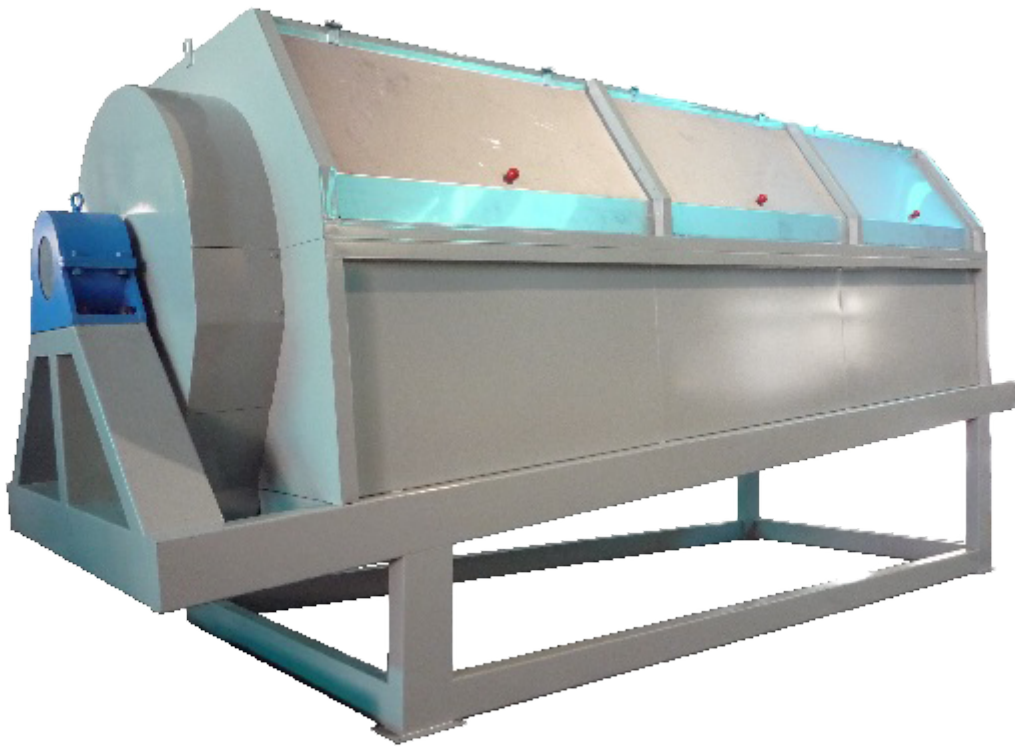


Rotary Drum Screen



Before feed into Rotary Drum Thickener (RDT Series), sludge should be mixed with flocculant until separates sludge and water in mixing tank, then liquid sludge will be conveyed to the Rotary Drum Thickener.

While sludge falls in and adhere to rotary cloth, Rotary Drum will separate free water from liquid sludge by whirling with centrifugal force. After decrease of free water and increase of sludge concentration, sludge accumulated more and more and squeeze out from outfall.

The concentration of outlet sludge range is 4-8% (might be different with sludge type and inlet s.s.)

Specification

Model Item	RDT-10	RDT-15	RDT-20	RDT-30	RDT-40	RDT-50	RDT-75	RDT-100
Capacity m ³ /hr	5 ~ 10	11 ~ 15	16 ~ 20	21 ~ 30	31 ~ 40	36 ~ 50	50 ~ 75	75 ~ 100
Concentration %	0.4 ~ 0.8							
Cake Dryness %	4 ~ 8							
Rotary Drum motor KW	0.18	0.37	0.37	0.75	0.75	1.5	1.5	1.5
Rotary Drum Velocity rpm	3 ~ 18							
Filter Area m ²	1.7	2.6	3.5	4.5	5.5	6.7	9.5	12.5
Rotary Drum Diameter Ø mm	500	600	700	800	900	1000	1000	1000
Rotary Drum Length mm	1200	1400	1600	1800	2000	2200	3000	4100
Rotary Drum Quantity	1	1	1	1	1	1	1	1
Mixing Tank Volume L	380	550	760	850	1130	1550	1770	1770
Mixing Tank motor KW	0.18	0.18	0.37	0.37	0.75	0.75	1.5	1.5
Mixing Tank Velocity rpm	20 ~ 100							
Wash Water m ³ /hr	2.1	2.4	2.7	3.0	3.3	3.6	4.6	5.8
washing pressure bar	>5							