



DeWater® RDT Thickener Systems



**DeWater® RDT- 100.3
with enclosure**

PEWE DeWater® RDT:

The **DeWater® RDT** internally fed rotary drum sludge thickener units are used to thicken municipal sludge by extraction of free water. The unit is used to thicken both primary and secondary sludge's commonly found in municipal wastewater treatment plants. The rotary drum sludge thickener can also be used on industrial sludge applications.

The **DeWater® RDT** series rotary drum thickener will maximize thickened sludge removal in an easy to maintain unit. The screen material is a barrier by which material larger than the gap or slot size may not pass, allowing the water to continue through while thickening the output sludge.

DeWater® RDT Design:

The internal design utilizes a cylindrical perforated drum with filter cloth for separating coarse suspended solids from the water. The screen may be ordered with several options including custom polymer blend system and **PEWE Command Control® RX** panel.

DeWater® RDT Operation:

The **RDT** influent stream is fed to the screen interior drum surface via an engineered headbox after the incoming sludge has been conditioned with a polymer in the supplied flocculation tank. Clarified effluent then flows through the screen openings and out of the drum through the drainage pan through the flanged outlet. Thickened sludge is then discharged from the interior through a solids discharge chute where it can be directed into a sludge collection tank.

Rotary Thickener High Flow, High Solids

- BAKERY
- BREWERY
- FRUIT
- FOOD PROCESS
- MEAT
- MINERAL
- MUNICIPAL
- PETROCHEM
- POULTRY
- PULP & PAPER
- SEAFOOD
- VEGETABLE
- WINERY
- WASTEWATER

Application	Municipal				English	Flow Capacity	Metric	
	Model	Length inches	mm	Diameter inches	mm	GPM	Dry Lbs/hr	LPM
RDT-75.3	48	1219	36	914	75	275	284	125
RDT-100.3	72	1905	36	914	100	435	378	197
RDT-150.3	96	2438	36	914	150	635	568	288
RDT-200.4	72	1905	48	1219	200	705	757	320
RDT-250.4	96	2438	48	1219	250	935	946	424
RDT-300.4	120	3048	48	1219	300	1155	1135	524
RDT-350.5	96	2438	60	1524	350	1305	1325	592
RDT-450.5	120	3048	60	1524	450	1605	1703	728
RDT-550.5	144	3658	60	1524	550	1905	2081	864

This chart to be used as a guide only. Consult your PEWE representative.

