



LIQUID/SOLID SEPARATION SYSTEMS

SCREENING, GRAVITY, FLOTATION, DEWATERING & ACCESSORIES

DeWater® TRU

Truck Receiving Unit



DeWater® TRU-600

PEWE DeWater® TRU System:

The **DeWater® TRU truck receiving unit** for septage off-loading consists of an auger screw assembly, screen basket, transport tube, drainage section, press section, discharge section, tank housing and mechanical drive system. The **TRU** is supplied with a flanged inlet, solids discharge and a drainage fitting. The **TRU** is designed to extract moisture from wet solids. The unit will utilize a screw to transport and compress the solids and allow the liquid to drain off.

DeWater® TRU Design:

Large objects are trapped at the bars while the screen basket perforations remove solids from the influent stream. The solids are then conveyed by the auger screw through the transport tube towards the press section. Prior to the press zone the conveyed solids may be washed. The solids are then compacted in the press zone with up to 40% dryness. The liquid removed via the pressing action is collected and combined with the free water from the drainage section. It is then directed to either a drain or to elsewhere for further processing. The screen has a flanged overflow outlet to prevent flooding should the screen basket become blinded or experience a power shortage. The screen may be ordered with several options including automation with the **PEWE Command Control® RX panel**.

DeWater® TRU Operation:

The **DeWater® TRU** receives septage influent through a flanged fitting on the end of the tank. The influent is directed through a bar trap to capture large objects and then through the screen basket where the solids will be retained and transported up the transport tube. Next, the free water flows into a wet well before the liquid is allowed to pass through a flanged effluent fitting and is removed for further processing.

Truck Receiving Unit High Solids, Dry Solids

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

| Application: | Municipal | Screen | Flow | Capacity | English | GPM | | |
|--------------|--------------|--------|------|----------|---------|------|------|------|
| Model | Yards / hour | Shaft | 1 mm | 2 mm | 3 mm | 4 mm | 5 mm | 6 mm |
| TRU-275 | 1.0 | 6" | 122 | 152 | 182 | 206 | 225 | 275 |
| TRU-600 | 1.5 | 8" | 260 | 330 | 390 | 450 | 490 | 600 |
| TRU-775 | 2.0 | 10" | 325 | 400 | 520 | 605 | 695 | 775 |
| TRU-900 | 3.0 | 12" | 390 | 490 | 590 | 660 | 720 | 900 |
| TRU-1550 | 4.0 | 14" | 480 | 720 | 870 | 980 | 1290 | 1550 |
| TRU-2150 | 5.0 | 20" | 650 | 940 | 1410 | 1600 | 1960 | 2150 |
| TRU-2800 | 6.0 | 24" | 970 | 1460 | 1960 | 2220 | 2560 | 2800 |

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

