



LIQUID/SOLID SEPARATION SYSTEMS

SCREENING, GRAVITY, FLOTATION, DEWATERING & ACCESSORIES

DeWater® TSP Triple Staged Screw Press



DeWater® TSP-250

PEWE DeWater® TSP Systems

The **DeWater® TSP** triple staged screw press consists of an auger screw assembly, transport tube, drainage section, press section and mechanical drive system. The **TSP** will be supplied with a flanged inlet, flanged solids discharge and a flanged drainage fitting. The **TSP** is designed to extract moisture from wet solids. The unit utilizes a staged compaction screw to compress, dewater and transport the solids while allowing the squeezed liquid to drain off.

DeWater® TSP Design

The **DeWater® TSP** first features a polymer and solids pre-blending system with fine adjustment. The enclosed screw assembly will consist of a heavy-duty shafted spiral with three stages of progressive compression. The shaft is direct coupled to a gear motor. The press zone consist of a cylindrical wedgewire insert, shower manifold and duplex access doors. The **TSP** unit comes with an inclined support base for capturing the filtrate. The **TSP** may be ordered with a **PEWE Command Control® RX panel**.

DeWater® TSP Operation

The **DeWater® TSP** triple screw press receives influent through the flanged inlet hopper and the incoming stream is accepted into the drainage section where free liquid is allowed to pass through a drainage fitting and removed for further processing.

Solids are then conveyed by the auger screw through the transport tube and press section. The solids may be washed in the press zone. The solids are then gently compacted in the press zone.

Triple Staged Screw Press High & Dry Solids

BAKERY
BREWERY
DAIRY
FOOD PROCESS
MEAT
MUNICIPAL
PETROCHEM
POULTRY
PULP & PAPER

Application						
Model	Auger1 inches	Auger2 inches	Auger3 inches	Shaft inches	Flow Yds ³	Capacity M ³
TSP-150	10.0	8.0	6.0	4.0	1.0	0.76
TSP-200	10.0	8.0	6.0	4.0	2.0	1.53
TSP-250	12.0	10.0	8.0	6.0	3.0	2.30
TSP-300	14.0	12.0	10.0	8.0	6.0	4.58
TSP-400	16.0	14.0	12.0	8.0	12.0	9.20

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