DeWater® CSP

Compactor Screw Press

DeWater® CSP-250

PEWE *DeWater® CSP* Systems

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

DeWater® CSP Design

The ***DeWater® CSP*** features a perforated inlet trough plate that allows for free drainage. The enclosed screw assembly will consist of a shaftless spiral with a fitted brush and is direct coupled a gear motor. The press zone shall consist of a cylindrical wedgewire insert, shower manifold and access doors. The ***CSP*** unit comes with support posts and base plates. The ***CSP*** may be ordered with a **PEWE *Command Control® RX panel***.

DeWater® CSP Operation

The ***DeWater® CSP*** compactor 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 towards the press section. Prior to the press zone the conveyed solids are washed. The solids are then compacted in the press zone. The liquid removed via the pressing action is collected and combined with the free water from the drainage section and can be directed to drain or further processing.

Compactor Screw Press ..... High & Dry Solids

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

Application	Municipal				Flow	Capacity
Model	Auger inches	Diameter mm	Shaft inches	Diameter mm	Yds^3	M^3
CSP-150	5.5	140	6.0	152	1.0	0.76
CSP-200	7.5	190	8.0	203	2.0	1.53
CSP-250	8.5	216	10.0	254	3.0	2.30
CSP–300	11.5	292	12.0	305	6.0	4.58
CSP-400	14.5	368	16.0	406	12.0	9.20

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

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