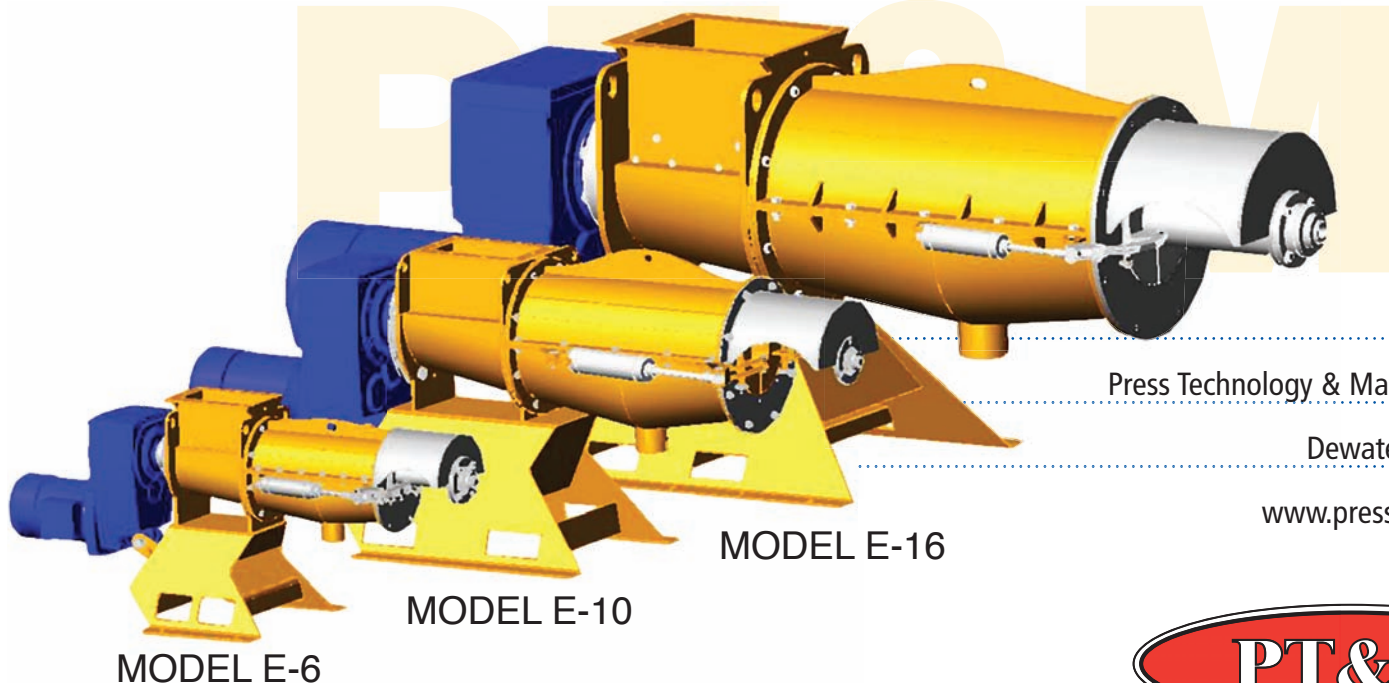


Agri-Press® Model E



Press Technology & Manufacturing, Inc.

Dewatering Equipment

www.prestechnology.com



Advanced Screw Press Technology for Effective Solids Removal

The Four E's of the Model E

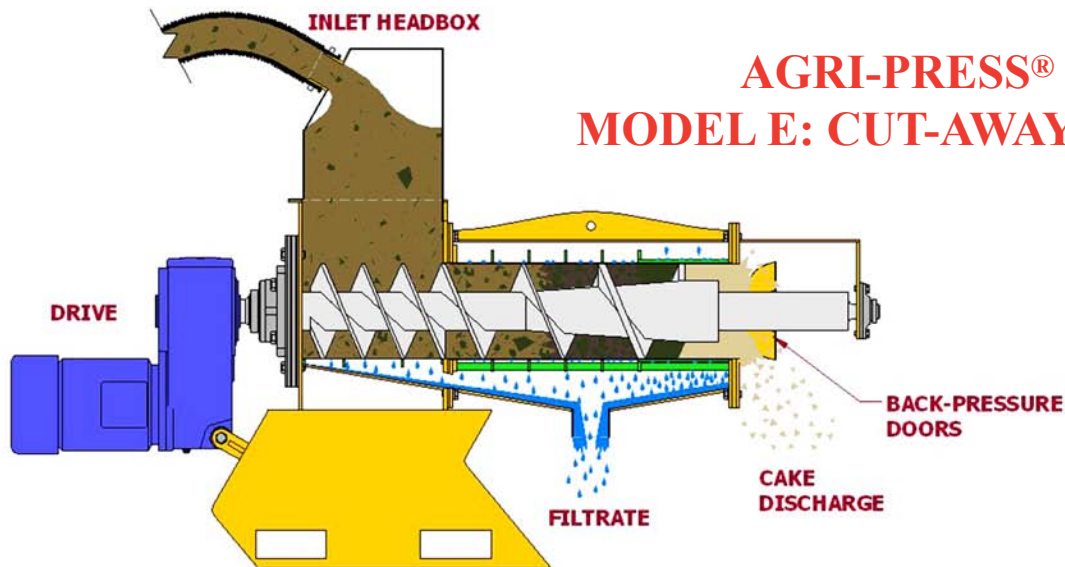
The Agri-Press® **Model E** is designed for manure slurry separation and priced for the mid-sized producers, but it performs like a high end press. The **Model E** addresses four major issues involved with manure management and the mid-size producer: **E**conomics, **E**asy installation, **E**fficiency and **E**nvironment. The Agri-Press® **Model E** can be set-up and installed with little or no difficulty, the efficient design produces a dry solid that can be easily composted and used for bedding. The design also insures high capture efficiency, so that a majority of the manure is in your dry solids stack and not the lagoon. The price range is easily affordable when compared to purchasing bedding off the farm.

Guaranteed Consistent Dryness

- High % Dryness on Discharge Solids
- Reduced Disposal Acreage
- Reduced Waste Hauling

Compliance with Environmental Standards

- Reduce Pollutants and Environmental Impact
- Recycle Solids as Bedding/Feed/Compost
- Long Term Odor Free, Pest Free Storage



AGRI-PRESS® MODEL E: CUT-AWAY VIEW

The Problem

The laws governing the disposal of liquid slurries are challenging managers as the size of facilities grow and intensify. Compliance with environmental regulations could have tremendous impact on limiting the growth of producers and processors.

The Answer

PT&M's specialty is solving liquid/solids separation problems. Our design expertise comes from many years of experience developing screw presses. Our engineers have accumulated a wealth of knowledge through hands on testing of materials. This background has allowed us to configure screw presses which fit the specific needs of our customers.

The PT&M Agri-Press® is the best method for separation of liquid manure slurries. Inside the press free water drains off as the material conveys down the screw. At a certain point the volume of the screw reduces and the liquid in the material is squeezed out by pressure. A set of air cylinders are connected to pressure plate doors. The doors build a back pressure causing more liquid to be compressed out. The air driven doors allow the press

to maintain consistent dryness of discharge solids over a large range up to the limit of mechanical dryness. The pneumatic cylinders are adjusted by a valve which allows the operator to control the desired dryness of the solids.

The discharged solids, void of free water and in a compressed moist state (35-40% solids), can be stored for a long term without odor or attracting flies and other pests.



Cows on bedding solids from a Model E

Specifications

Model E 6

6" diameter screw shaft
5 HP 220/1 phase or 240/480 3 phase
Capacity: 10~20 GPM on dairy manure solids at 6% or less. Approximately 350 Cows on 24/7 operational basis

Model E 10

10" diameter screw shaft
10 HP 220/1 phase or 240/480 3 phase
Capacity: 35~75 GPM on dairy manure solids at 6% or less. Approximately 1000 Cows on 24/7 operational basis.

Model E 16

16" diameter screw shaft
35 HP; 240/480 3 phase
Capacity: 100~140 GPM on dairy manure solids at 6% or less. Approximately 3500 Cows on 24/7 operational basis.

All Models: Screen: 0.025" or .035" slots 304SS; Discharge Dryness: 37-43% solids (moisture 63-57%) dairy manure solids; Welded base and frame assembly painted with 2 coats Orange and nickel epoxy.

For additional information,
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