

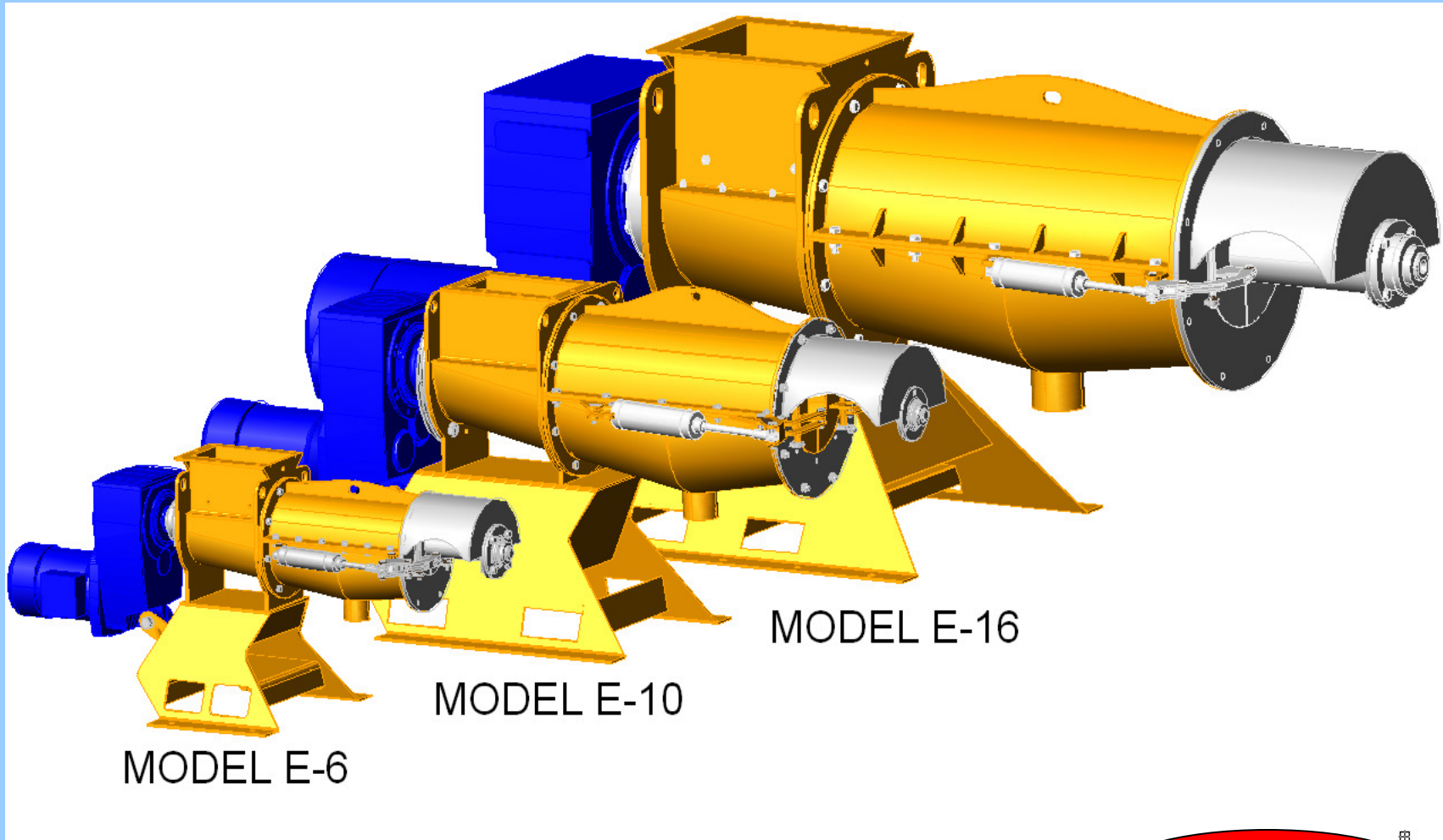
Press Technology & Mfg., Inc.
Springfield, Ohio USA

AGRI-PRESS®
Model E Series

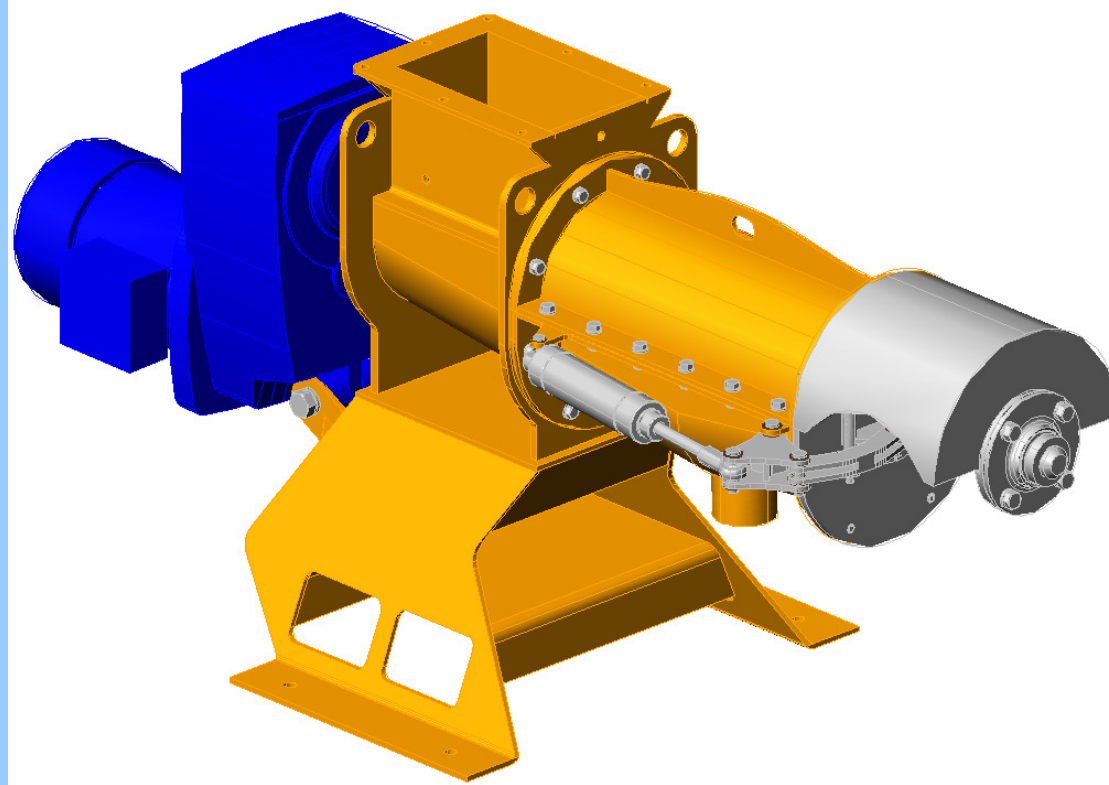
Daniel Berner
March 2010

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Model E Comes in 3 Sizes



AGRI-CLEAN® Model E-6



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Model E-6 Features

- 6 inch diameter screw shaft.
- Replaceable slotted screen plate 11 gauge 304 SS with 0.035" slots.
- 5 HP 220/1 phase or 240/480 3 phase.
- Capacity: 10~20 GPM on dairy manure solids at 6% solids or less. Approximately 100~200 Cows on 24/7 operational basis.

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AGRI-CLEAN® Model E-10



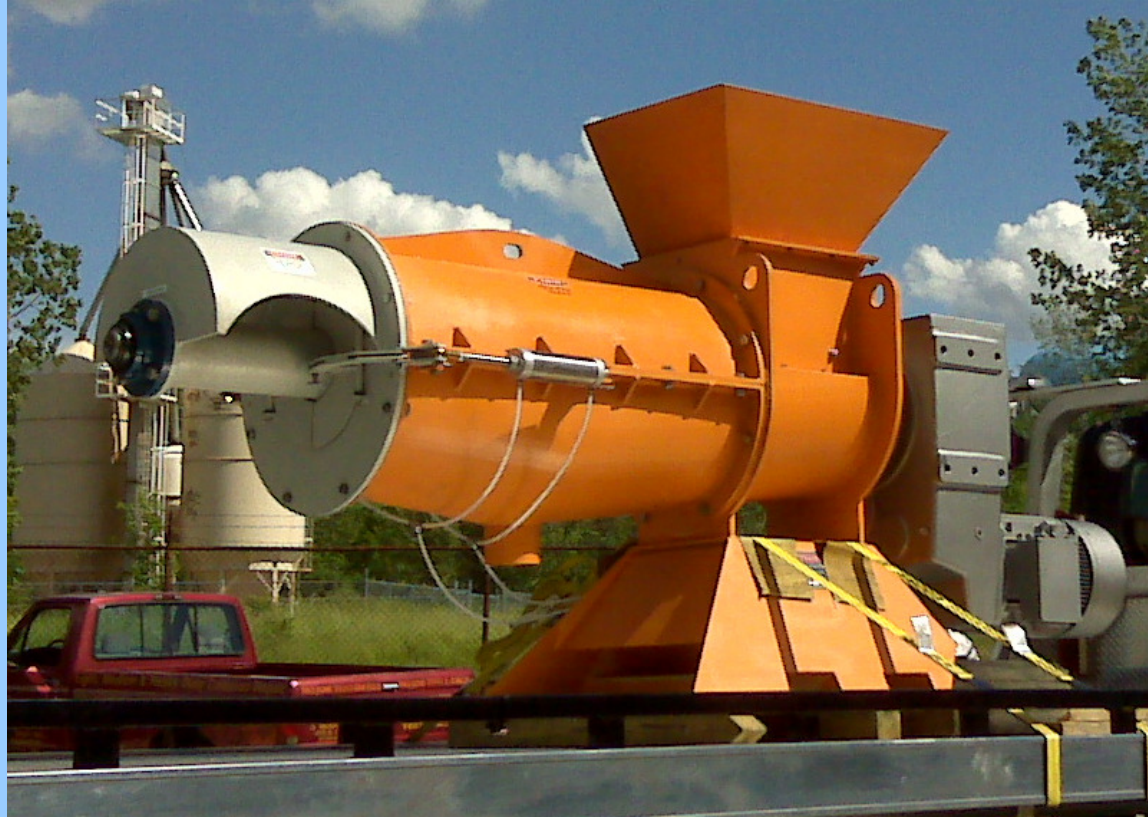
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Model E-10 Features

- 10 inch diameter screw shaft.
- Replaceable slotted screen plate 11 gauge 304 SS with 0.035” slots.
- 10 HP 220/1 phase or 240/480 3 phase.
- Capacity: 35~75 GPM on dairy manure solids at 6% solids or less. Approximately 1000 Cows on 24/7 operational basis.

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AGRI-CLEAN® Model E-16



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Model E-16 Features

- 16 inch diameter screw shaft.
- Replaceable slotted screen plate 11 gauge 304 SS with 0.035” slots.
- 35 HP; 240/480 3 phase.
- Capacity: 100~140 GPM on dairy manure solids at 6% solids or less. Approximately 3500 Cows on 24/7 operational basis.

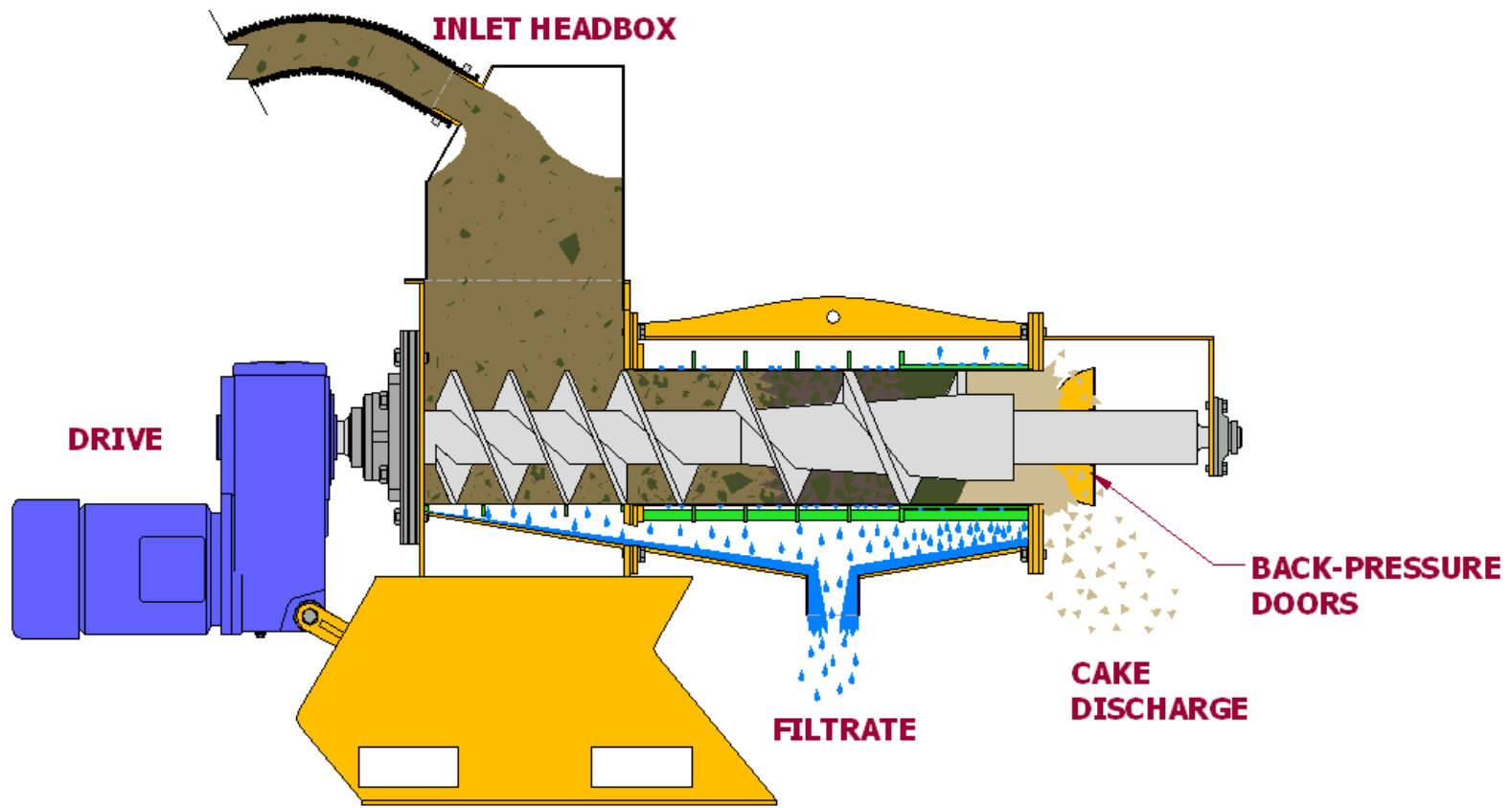
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ADVANTAGES OF PT&M AGRI-PRESS®

- Screen housing split for easy screen & shaft removal.
- Pneumatic back pressure doors with a bi-directional air regulator for consistent discharge solids regardless of inlet flow rates.
- Adjustable inlet screen.
- Tapered screw shaft; volume change and cake reduction.

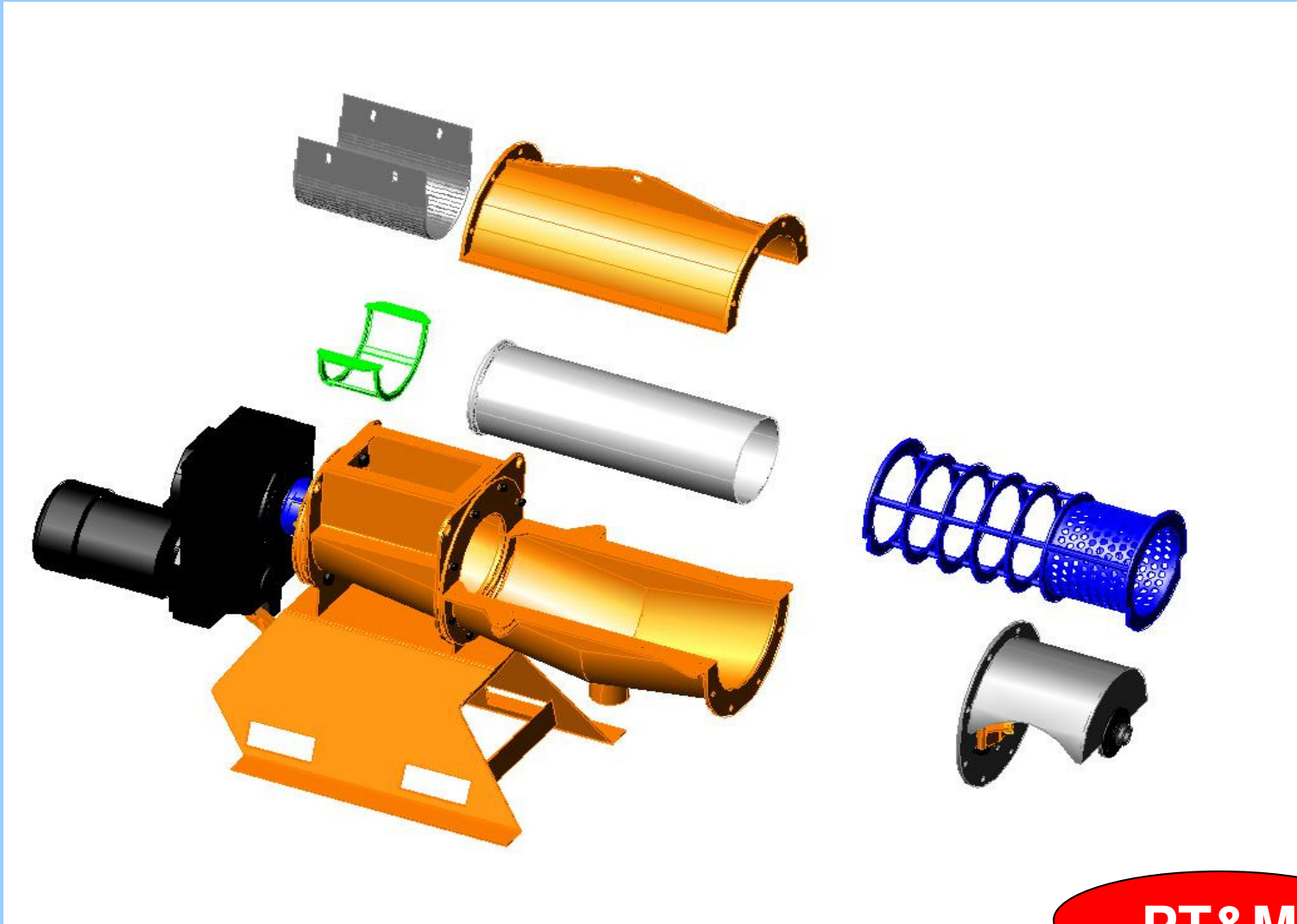
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AGRI-PRESS® MODEL E: CUT-AWAY VIEW



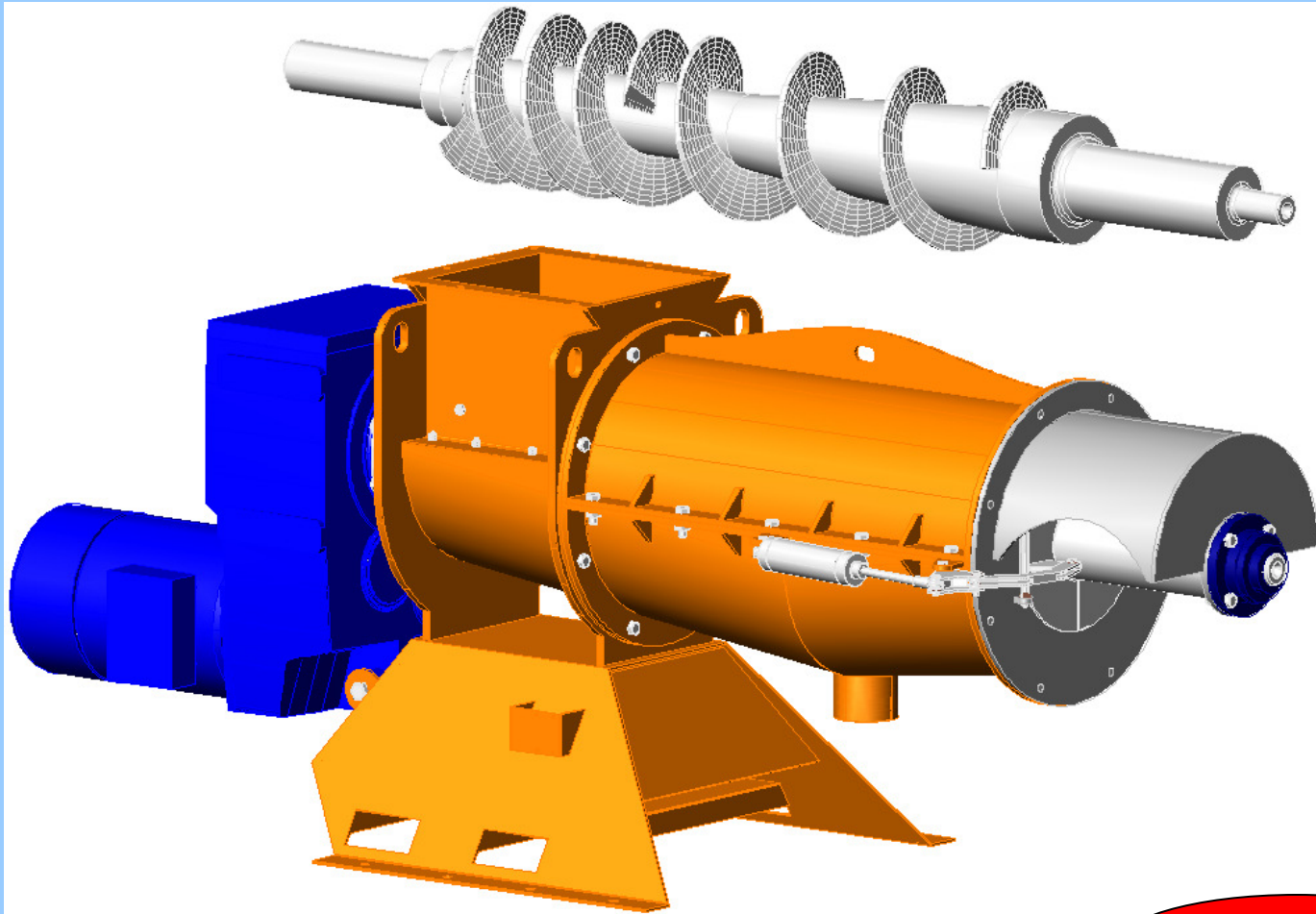
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±.120	±.040	±.120	±.040
±.250	±.080	±.250	±.080
±.500	±.160	±.500	±.160
±1.000	±.320	±1.000	±.320
±2.000	±.640	±2.000	±.640
±4.000	±1.280	±4.000	±1.280
±8.000	±2.560	±8.000	±2.560
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Screen Assembly



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Model E Screw Design



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Reception Pit

- Pit should be built for 1-1/2 days of storage.
- Pit should be round for easy agitation.
- Pit needs to be agitated at all times during separation.
- Parlor water needs to be added to the pit for dilution on scrape dairy farms.
- Scrape dairy should not have a pit consistency greater than 7% solids.

Dry Solids 35 – 45%

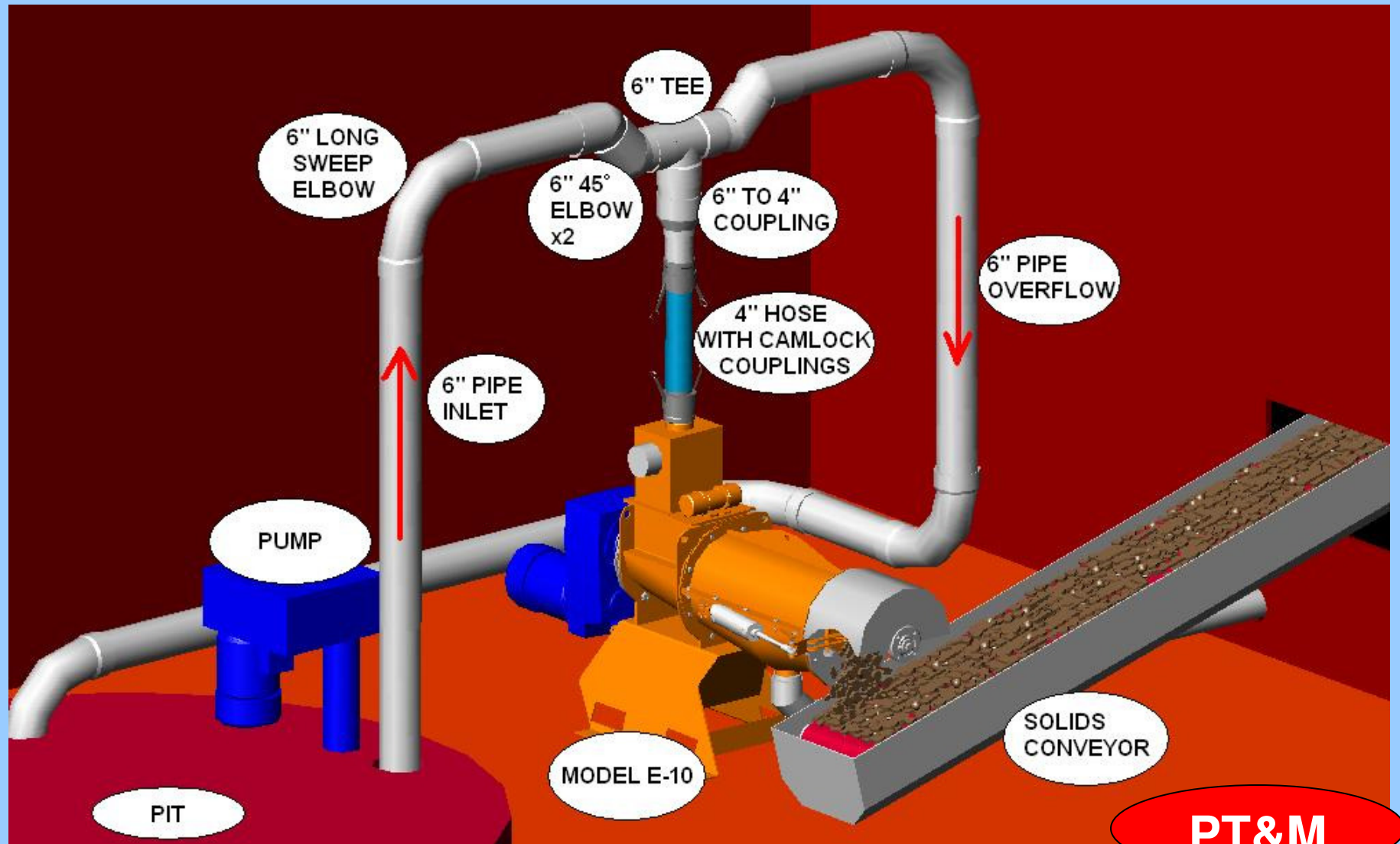


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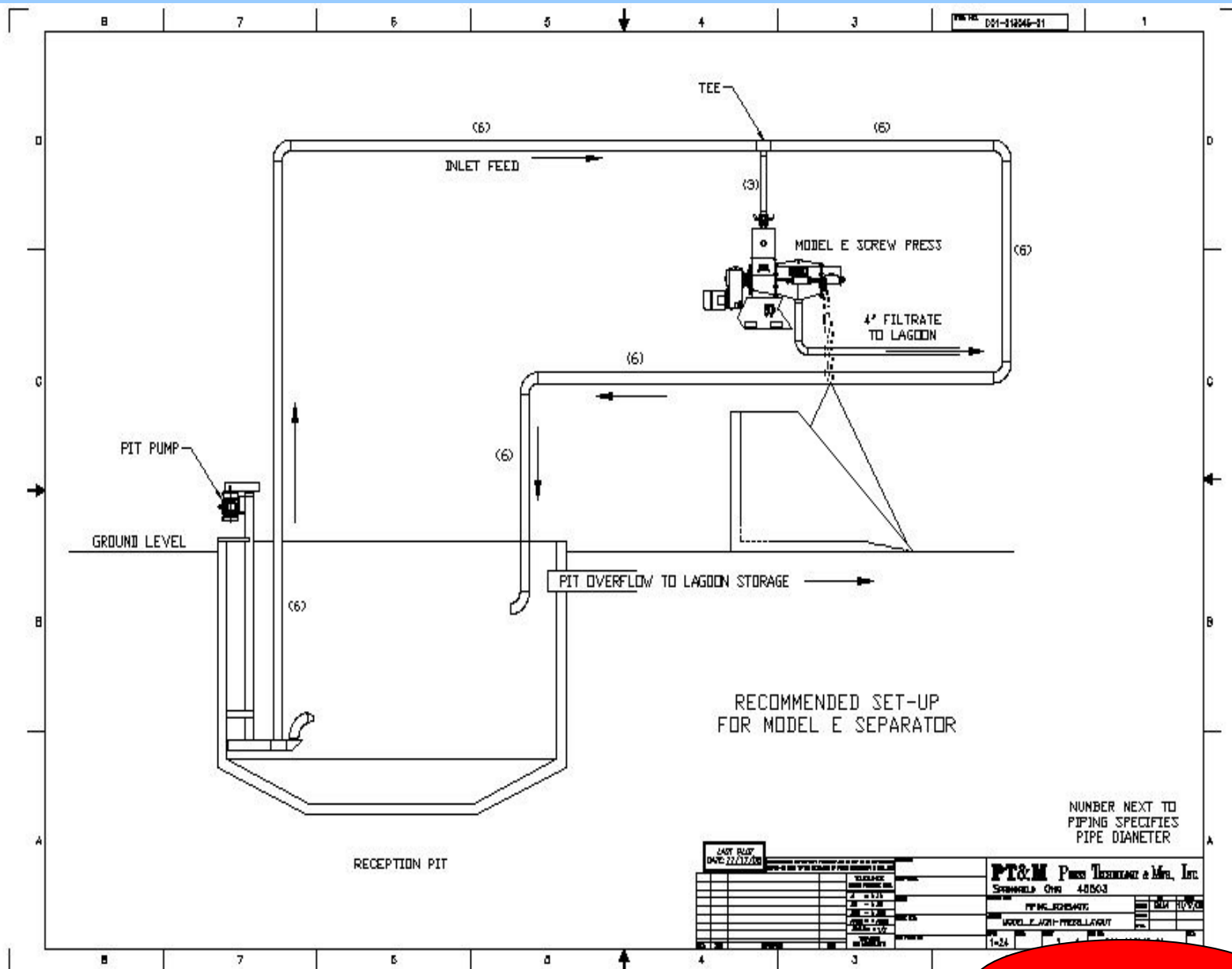
Bedding with manure solids

- Compost solids for 3 weeks.
- Bed cows 2 – 3 times per week.
- Bed to a maximum 6” deep in beds or place on top of mattress.
- Rake stalls at least once per day.
- Make sure solids do not pack on curb.

Model E Piping



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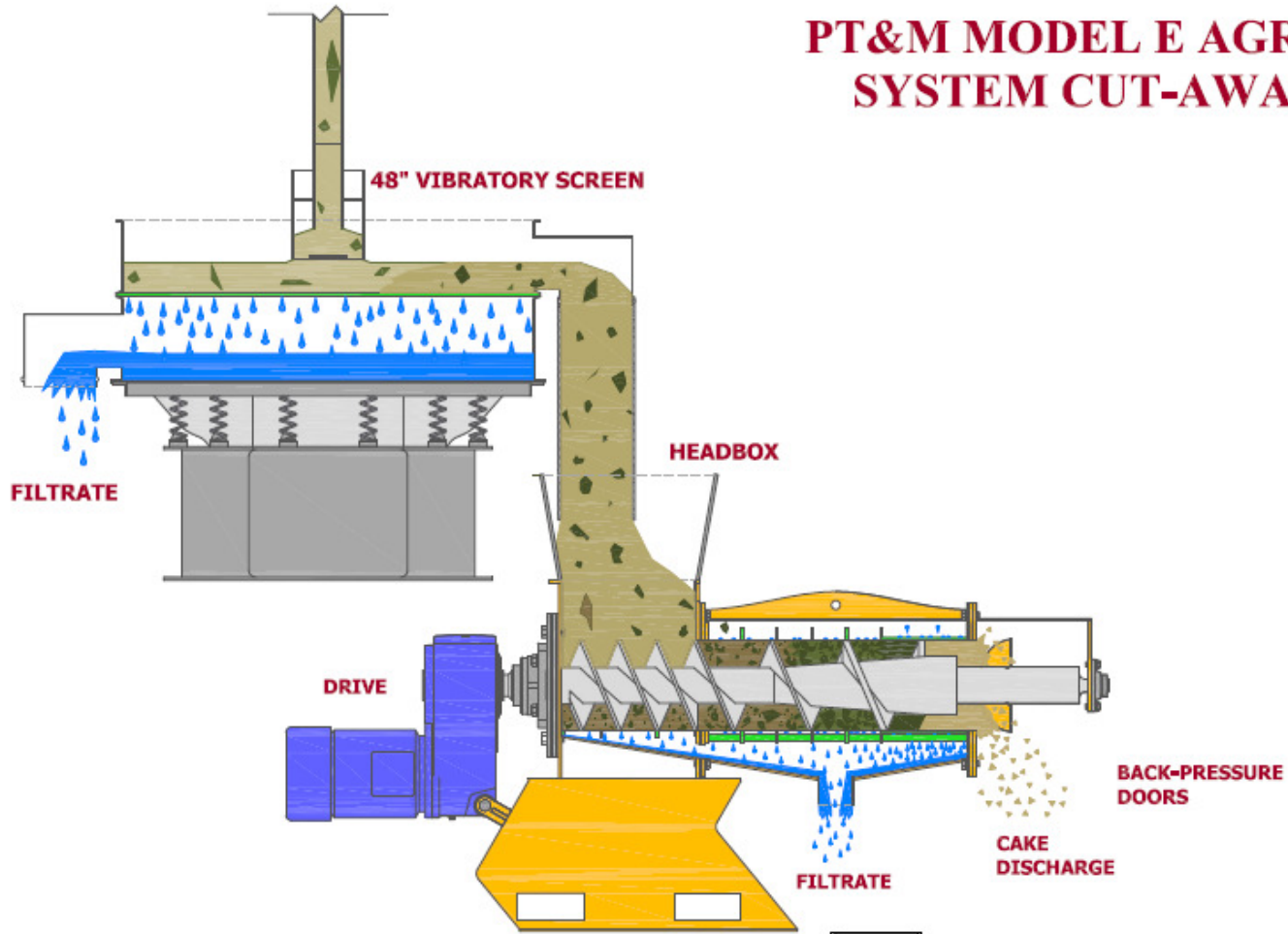


Pre-Thickener/Vibratory screen

- Flush Dairy manure slurry applications.
- Manure slurries from methane digesters
- All hog manure applications.

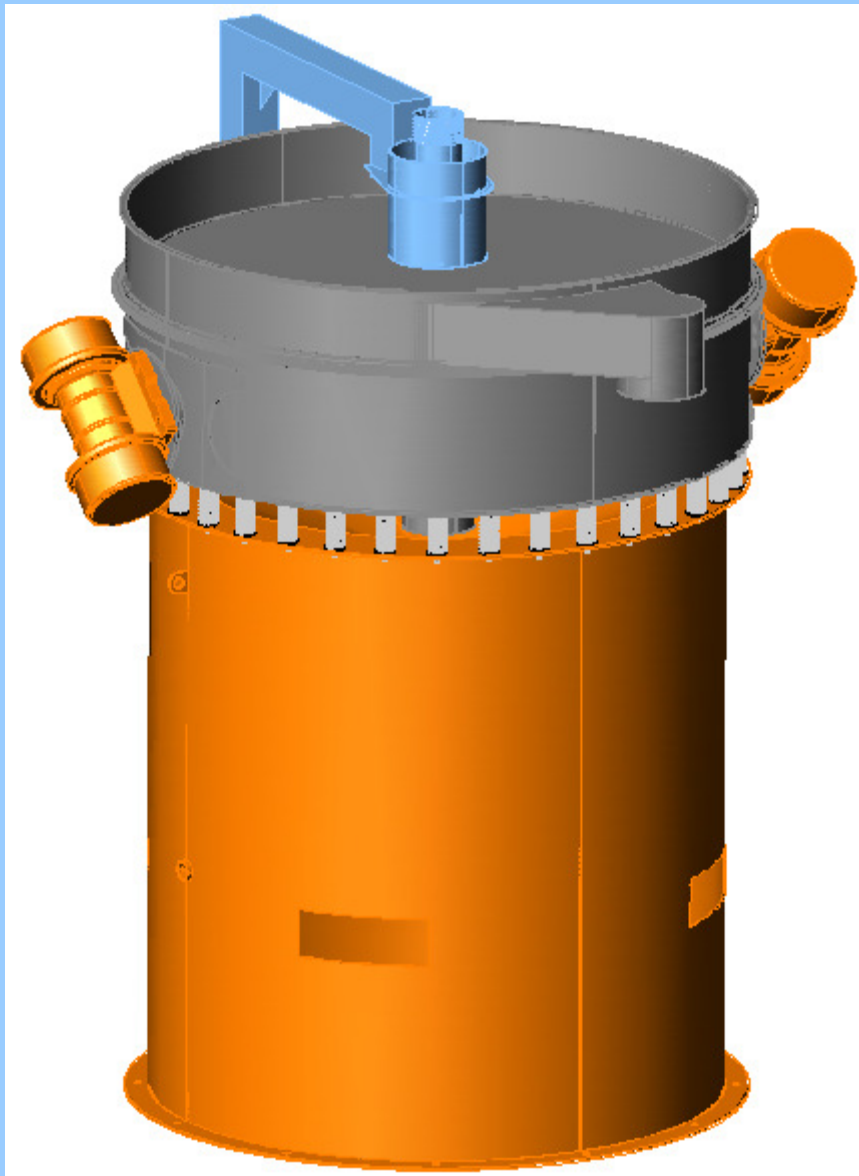
DWG NO. D10-013047-01

PT&M MODEL E AGRI-PRESS® SYSTEM CUT-AWAY VIEW



LAST PLOT DATE: 12/2/02		SEE COMMENTS ON PREVIOUS DRAWINGS FOR ANY CHANGES TO BE MADE TO THIS DRAWING.		PT&M Press Technology & Mfg., Inc. Symmesdale, OH 45503	
DATE	BY	DATE	BY	DATE	BY
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				SCALE	1=0
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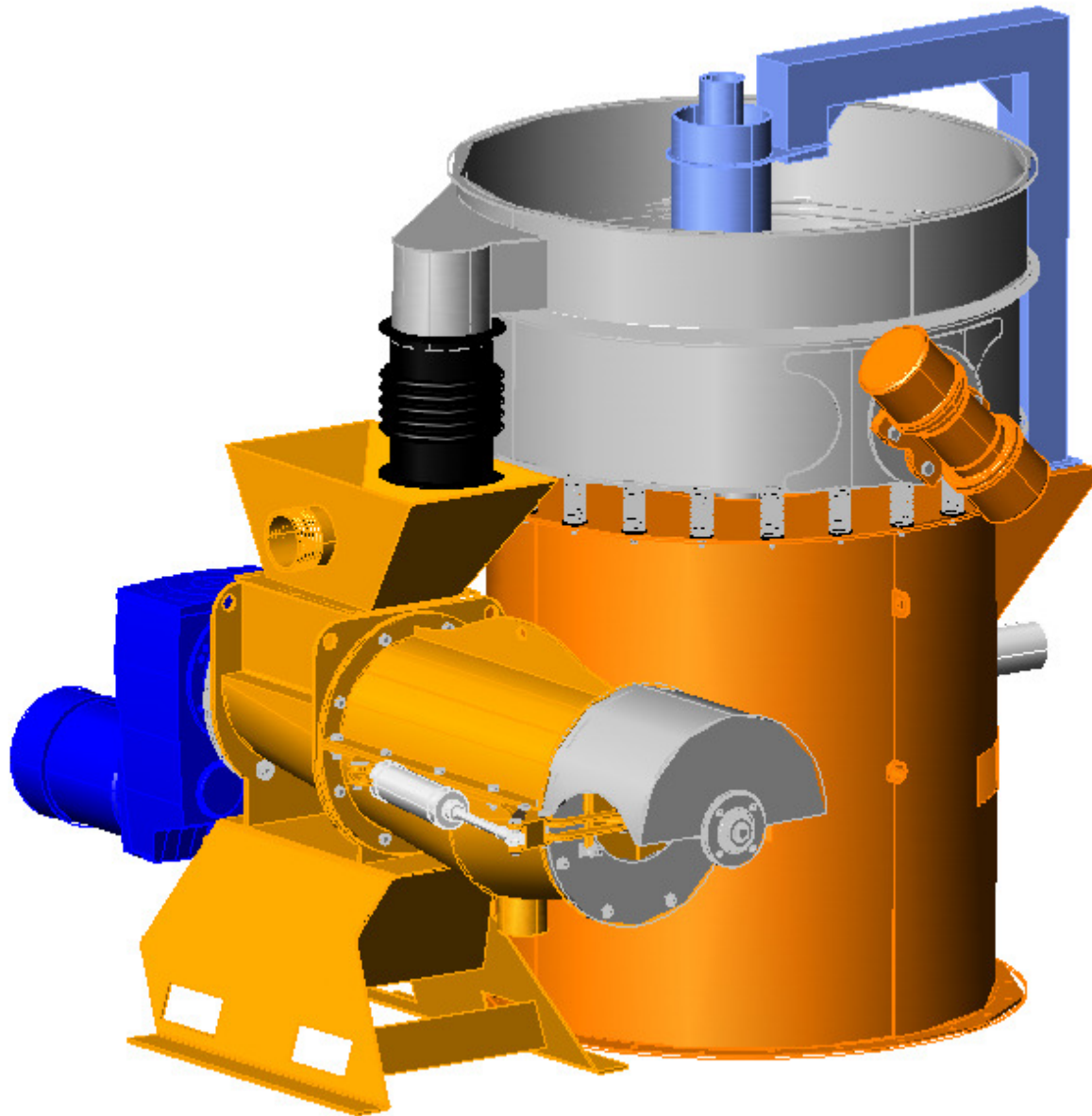
Pre-thickener - Vibratory Screen

- 3 Sizes: 30" 48" & 60"
- Capacities : 15- 350 GPM
- HP ½ HP – 3 HP

Single & 3 Phase

- Standard Screen size 40 mesh (425 microns)
- Thickens solids from 1% to 15% solids.

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Vibratory Screen used to pre-thicken solids before Agri- Press.

Applications:

- Digesters Solids
- Flush Dairies
- Hog Manure

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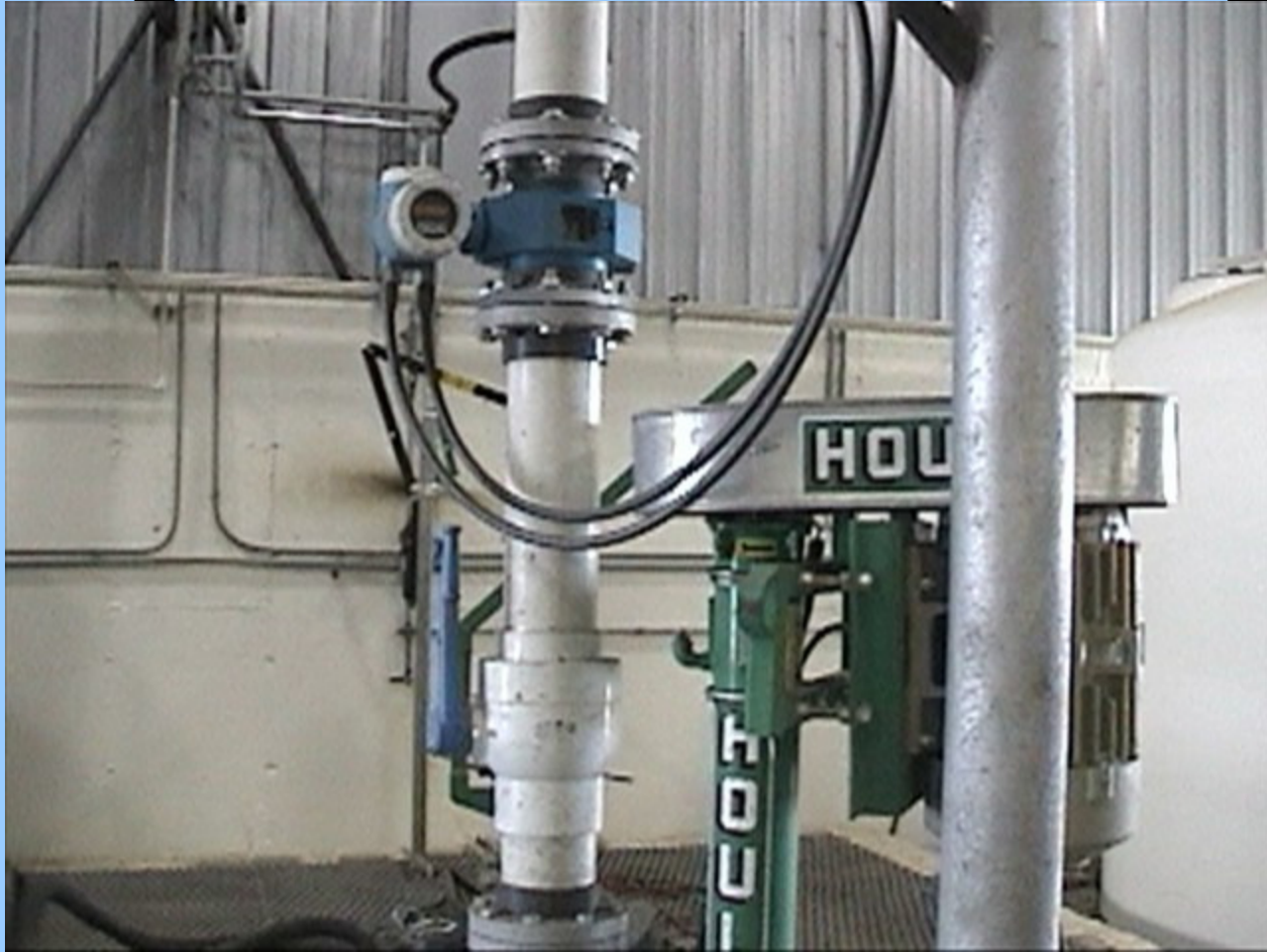
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Embedded Touch Screen Control



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Integrated Control Package



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Belt and Screw Conveyors



PT&M

Thank you!!

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