

Dewatering Drum 101

- Dewatering drum is mounted on a rolloff frame making it easily transported.
- Drum is supported by Greaseable roller bearings.
- Drum rotates with roller chain.
- Gear box turns by variable speed motor.
- Low energy required — ½ horsepower motor.
- Two doors on back of drum, one for inspection while filling, the other hinged door for unloading the dry material.
- Three inch quick cam lock for loading liquid.
- Unit is lined with filter tiles.
- Tiles are interlocking and replaceable.
- Tiles are self cleaning.
- Water is constantly being drained while drum is being filled.
- Liquid can be added to drum several times before being rotated.
- Once full, or ready to be rotated, the inspection door must be secured before rotating unit.
- The ideal speed seems to be one revolution every 2½ hours.
- Drum always rotates toward the gearbox.
- After approximately 5 revolutions the unit is ready to be loaded on a roll off truck to be emptied.
- Drum must be rotated until dry sludge is parallel with the door opening.
- Once material is centered in bottom of the drum, it must be secured for transport.
- Securing is achieved by tightening the ratchet with the straps hooked on the frame.
- To unload material the wing nuts which secure the door must be loosened (suggestion: loosening all but one wing nut while drum is on the ground. This becomes more difficult as machine is higher up once positioned on truck).
- Once unit has been emptied it is ready to be rinsed out prior to the next fill.
- A normal rinse time would be 10 minutes with a garden hose and spray nozzle.
- Unit works well with any liquid that will flocculate.
- Drum is made completely of stainless steel and plastic.
- Results are very predictable and consistent (no surprises).

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