

555 Van Camp Road Bowling Green, OH 43402
Telephone: (419) 352 - 7501
Fax: (419) 352 - 0224
www.henryfilters.com

HENRY FILTERS **Henry**®

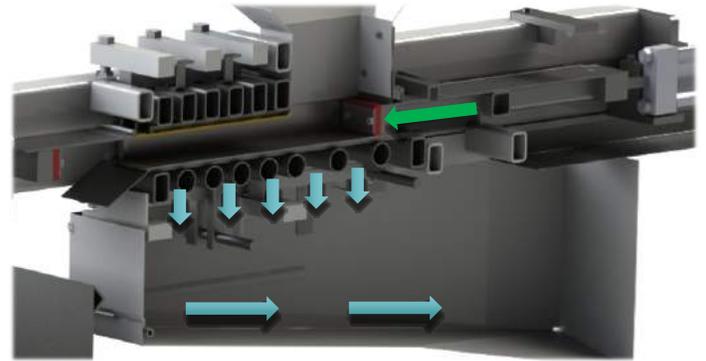


BRIQUETTER

Wet Sludge De-liquefying

Technology

Henry Sludge Briquetter unit is designed to receive wet grinding sludge or similar compressible material for de-liquefying. After wet sludge is introduced into the inlet chute, fluid is removed from the material by means of two hydraulically operated rams. As one of the rams compress the sludge, the fluid flows through the wedge wire screen into a catchment tray mounted below for pumping to process waste or returning to the filtration system.



Process

Wet sludge is introduced into the inlet chute from a feed conveyor or filter discharge. The Briquetter automatically senses the presence of sludge and begins a cycle. The compression ram advances pushing the wet sludge into the compression chamber. The ram retracts to allow more sludge to be added to the compression chamber. Initially the ram compresses the sludge at a low pressure allowing the free fluid to drain out of the sludge through the wedge wire screen. As the time cycle continues, the compression pressure increases, improving the de-liquefying process. After the compression cycle is over, the plugging ram retracts opening the compression chamber and the compression ram advances discharging the compressed brick of sludge.

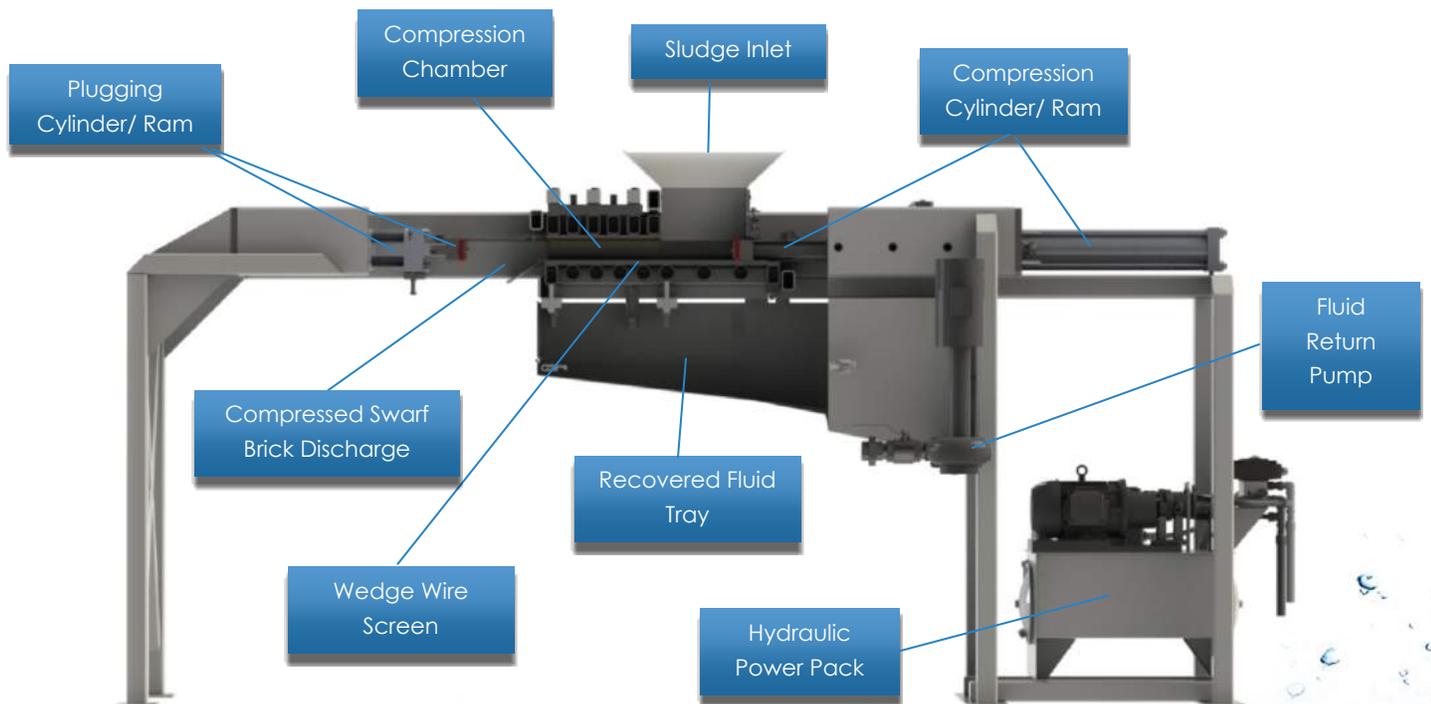
Capacity		
Type	Dimensions	Cubic Feet Per Hour
Hydraulic	6" x 18" x 18"	12 to 16
Hydraulic	3" x 12" x 12"	2 to 3



Briquetter

Operation

1. The Sludge Briquetter operates automatically, either when a detector senses a full load of sludge in the inlet chute, or when the manual index starts a cycle.
2. Prior to completion of the compression cycle, the compression ram retracts and accepts more sludge, thus increasing capacity. Pressure on the sludge is applied at an increasing rate to maximize the de-liquefying process.
3. During the compression cycle, the fluid in the sludge is recovered to the tray under the unit. Recovered fluid can be drained, pumped back to the filter system or to process waste.
4. After the compression cycle is complete, the plugging ram retracts, allowing the compression ram to extend, and the de-liquefied swarf to be ejected for recycling or disposal.
5. Once the compressed swarf is ejected both cylinders return to home position for the start of another cycle.



Briquetter

System Benefits

- Automatic operation
- Minimum floor space required
- Recovers valuable oil or coolant
- Produces dry sludge for over-the-road transportation, recycling and recovery /disposal
- Replaceable stainless steel de-liquefying screen panel
- Compact design allows installation under filter discharge ramp
- Return on investment can be less than 1 year, due to savings from salvaged fluid or disposal costs of swarf.



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