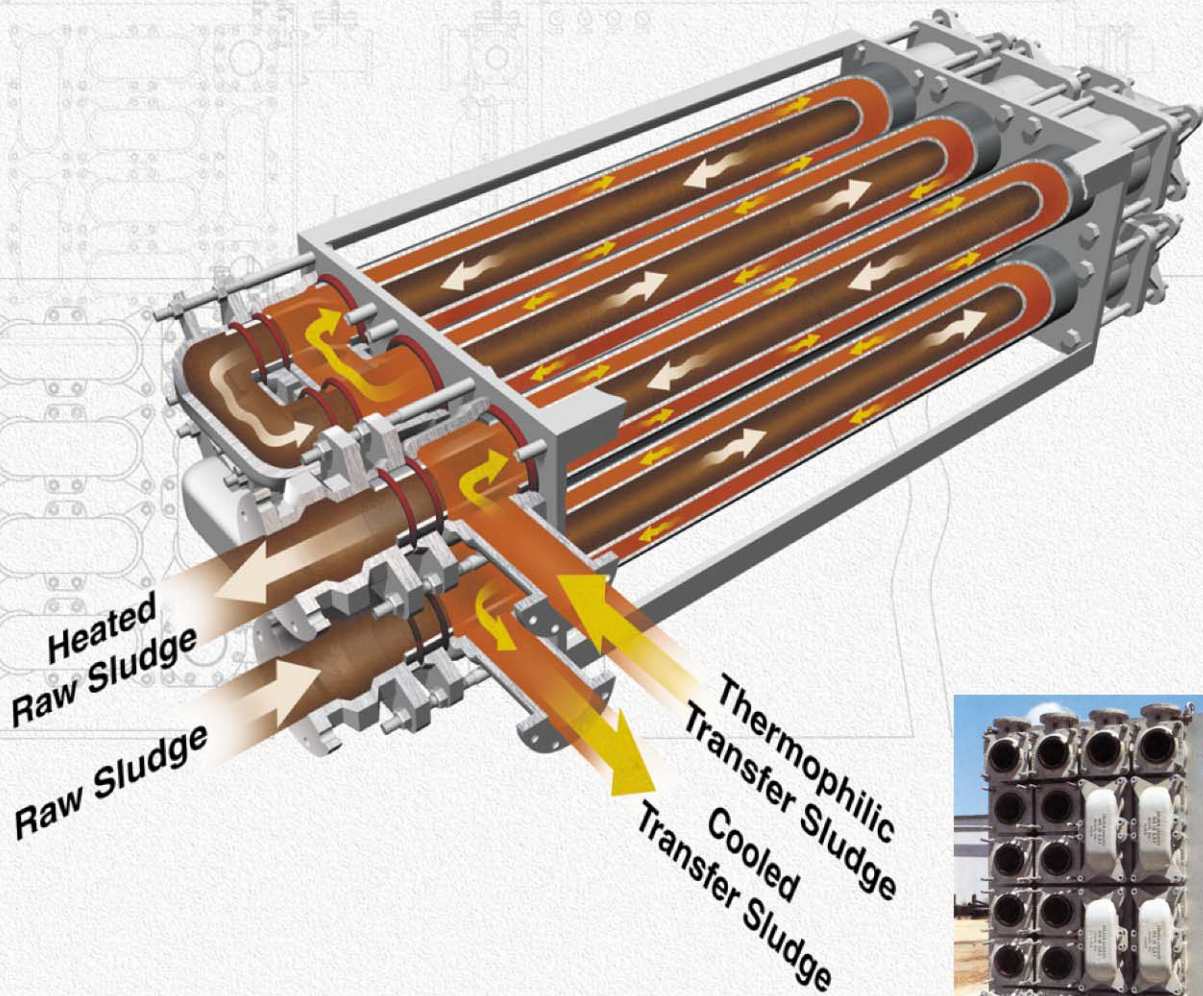


Sludge-to-Sludge Heat Exchanger



Division of McNish Corporation

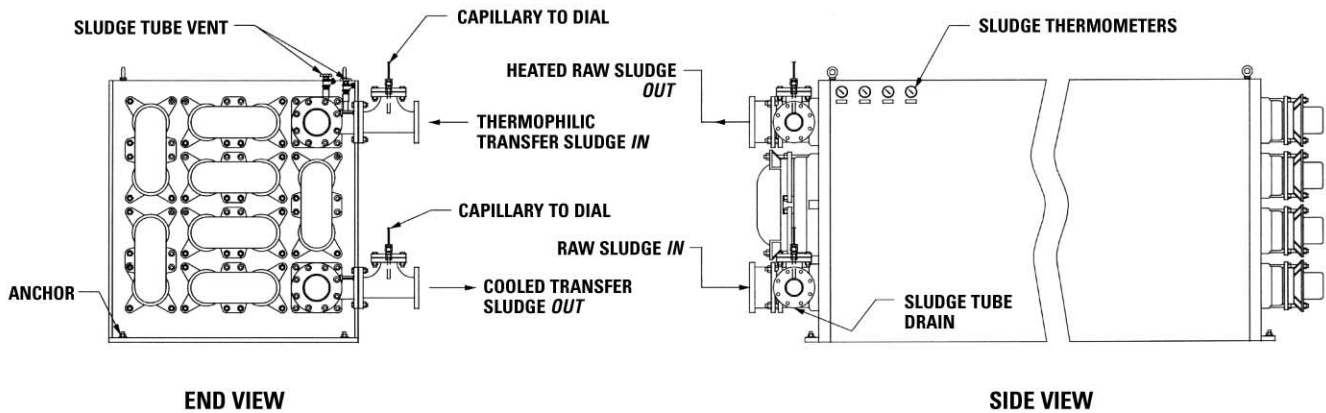


Cool Thermophilic Sludge and Reduce Sludge Heating Requirements

The easy to install, easy to maintain **Sludge-to-Sludge Heat Exchanger** from **Walker Process Equipment** provides a means to cool thermophilic sludge and reduces the amount of energy required to heat raw sludge.

Sludge-to-Sludge Heat Exchanger by Walker Process:

- Provides a means to cool thermophilic sludge.
- Reclaims heat from thermophilic sludge to preheat raw sludge.
- Reduces overall energy requirements for heating sludge in the Temperature Phased Anaerobic Digestion (TPAD) process.
- Has a tube-in-tube heat exchanger designed, tested, inspected and stamped in compliance with ASME pressure vessel code requirements.
- Exhibits low headloss with less tendency for plugging.
- Is fully shop assembled for easy field installation and startup.



Stringent Adherence to Industry Standards

Walker Process Equipment Sludge-to-Sludge Heat Exchangers are designed and manufactured in accordance with ASME Pressure Vessel Code and all units are stamped with the Unfired Pressure Vessel "U" symbol.

The Sludge-to-Sludge Heat Exchangers utilize the same proven design features that, for decades, Walker Process has incorporated into their Water-to-Sludge Heat Exchangers.

Sizes	2, 4, 6, 8, 12, 16 and 24 tubes, up to 20' long.
Pipe Diameters	Inner Sludge Tubes - 5" Dia. Outer Sludge Tubes - 8" Dia. Large Passageways
Materials of Construction	ASME SA 53 Schedule 40 Carbon Steel Pipes 3/4" ASTM A36 Carbon Steel End Plates ASME SA278 Class 40 Cast Iron End Fittings
Insulation	2" Wrapped Fiberglass Insulation
Temperature Control	Non-flow restrictive temperature sensors and dial thermometers to measure all inlet and outlet sludge temperatures; thermocouple and Resistance Temperature Detector (RTD) capable for remote indication or control
Enclosure Construction	14 Ga. Painted Steel Enclosure on sides and top <ul style="list-style-type: none"> • Built in water back-flushing connections • Easily removable end castings for inspection and servicing

Walker Process Equipment

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