



DDI HEAT & HEAT RECOVERY CUBE^{T.M.} OR SQUARE^{T.M.} OR RECTANGULAR^{T.M.}

NON PLUG EXCHANGERS

A Reliable, Efficient, Economic and Environmental Solution to **SAVE** Heat & Energy in diverse applications.

APPLICATIONS

SOLID WASTE REDUCTION:

Anaerobic Digestion, Methane Recovery and Bio Solids Pelletizing.

PREHEATING OF DOMESTIC OR INDUSTRIAL RAW SLUDGES:

Extracting heat from: Recirculated hot water or digested sludges (i.e. heat recovery), centrate digested sludge temperature augmentation reduction prior to dewatering or supernatant containing solids or cooling of digested sludge. Heating to produce Class A biosolids (Thermophilic)

PROCESSING LIQUIFIED PRODUCTS CONTAINING SOLIDS:

In fermentation, mining, agriculture, breweries, distilleries, pulp & paper, metallurgical and oil industries.

KEY FEATURES AND ADVANTAGES

NON PLUG DESIGN:

Minimizes maintenance with large -Non Plug gaps (3 " minimum). Large cross inlets to allow for passage of stringy, fibrous and viscous solids & debris.

EASY MAINTENANCE:

Access to all internal Passes/Layers via two opposite positioned fully gasketed doors. Flushing connections provided. Recommended maintenance only once every 5 years for most municipal applications.

COMPACT SIZE:

Small foot print with very large heat transfer surface.

LOW CAPITAL COST INVESTMENT:

Relatively short payback from recuperated energy, about 1 year on average.

IMPROVED HEAT TRANSFER EFFICIENCY:

Low fouling due to high turbulence in specially designed return bends and channels. Natural mixing.

UNIT DIMENSIONING:

Using proprietary software.

MANUFACTURING:

Standard and custom models available. Designed, fabricated, tested and stamped in accordance with ASME if required. Units fully tested.

MAJOR MATERIALS OF CONSTRUCTION:

Wetted components- SA 516-GR-70 or 304L S.STL or 316L S.STL or DSS.

Access doors, gussets- ASTM A-570

Structural members- G40.21-44W



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