

DIGESTER HEAT RECIRCULATION

The Vaughan Chopper Pump uses minimal horse power to chop all incoming solids, breaking them down in size to easily pass through the heat exchanger eliminating any plugging.



(Digester Heat Recirculation Pump and a Rotamix Mixing Pump)

Contact Vaughan Co. Inc. for more information regarding FOG and Household organics processing.

MANUFACTURED IN THE USA!



Vaughan Co., Inc.

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LOCAL REPRESENTATIVE:

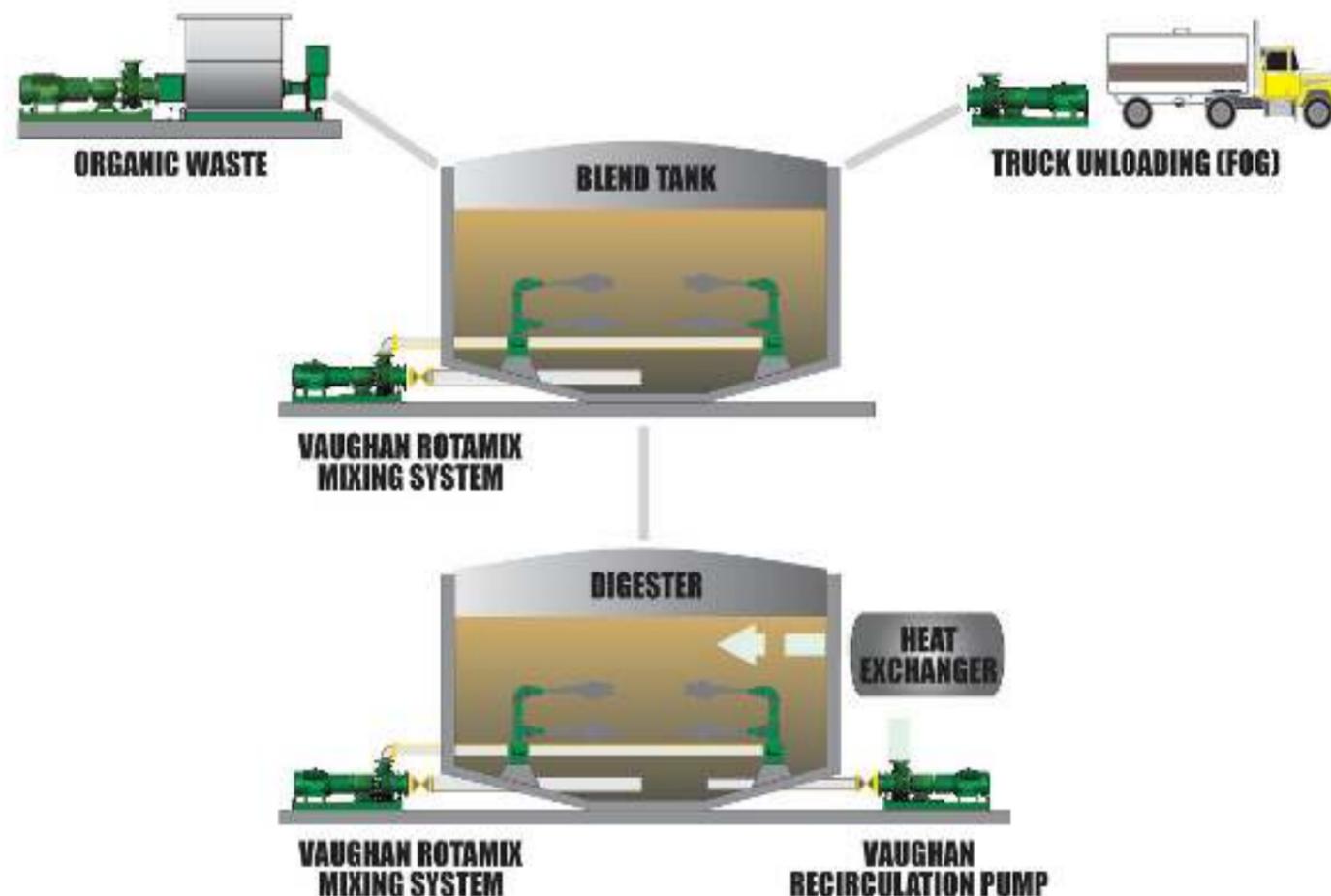


“WASTE TO FUEL”
 &
 “RENEWABLE ENERGY”



VAUGHAN PRODUCTS USED IN FOG & ORGANICS PROCESSING

With the increase in energy cost, water reclamation facilities are looking to household organics and FOG (Fats, Oils, & Grease) to better increase the wastewater treatment plant efficiency. FOG and household organics have a much higher energy content than municipal waste, resulting in higher methane gas production. This increased gas production results in increased power production via co-generation.



TRUCK UNLOADING

Vaughan Chopper Pumps are used to transfer the incoming FOG from hauling trucks to the blend tank.



(Vaughan Dry - Pit Pedestal Chopper Pump)

ORGANIC WASTE TRANSFER

The Vaughan Hopper / Chopper utilizes a hopper, which is auger fed into a 4 inch chopper pump. It then conditions the solids and transfers them to the blend tank.



(Vaughan Hopper / Chopper)

BLEND TANK MIXING (ROTAMIX)

The blend tank is a small tank used for blending FOG and organic waste. Vaughan's Rotamix System mixes the FOG and organic waste to a homogenous slurry before being pumped to the anaerobic digester. This application uses a Vaughan Chopper pump and multiple nozzles mounted inside the blend tank.



(Blend Tank Nozzle)



(Vaughan Horizontal Mixing Pump)

DIGESTER MIXING (ROTAMIX)

The Vaughan Rotamix System is a large scale mechanical mixing system that guarantees a complete mix inside the anaerobic digester. The Rotamix System effectively suspends all organics, FOG, grit and non-organic solids into a homogenous mix. The Rotamix System eliminates stratification, grit cones and scum (FOG) blankets.



(Vaughan Rotamix System)