

LIEBNG EYES

## **ALTERNATIVE MIXING TECHNOLOGIES**

16" ANSI CLASS 125 FF DISCHARGE FEANGE

> - 1/2" NPT DISCHARGE PRESSURE GAUGE TA



### **Quality Chopper Pumps Built in America Since 1960**







## **Chopper Pump Configurations**



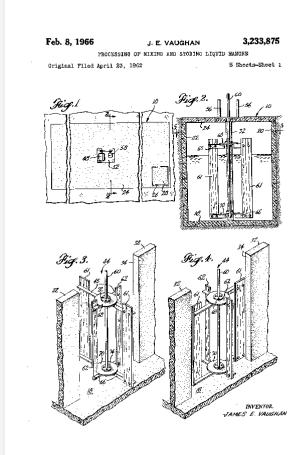


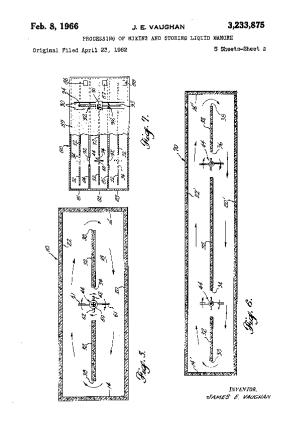
### Processing of Mixing and Storing Liquid Manure US 3233875 A, 1966





Jim Vaughan, Founder











## **Mixing Solutions**







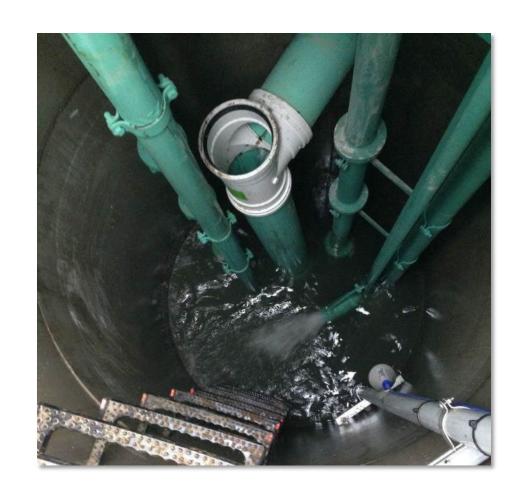




### **Vertical Recirculators and Submersible Recirculators**



- Vaughan "Pit cleaning" devices
- Resuspend
- Homogenize
- One piece of engineered equipment with multiple functions – pump out <u>AND</u> mixing





#### **Vertical Recirculators and Submersible Recirculators**

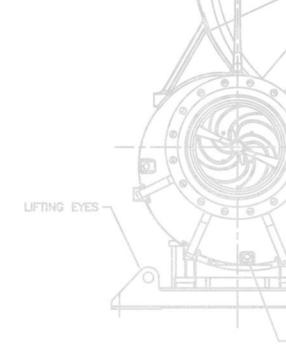


#### **Submersible Recirculators**

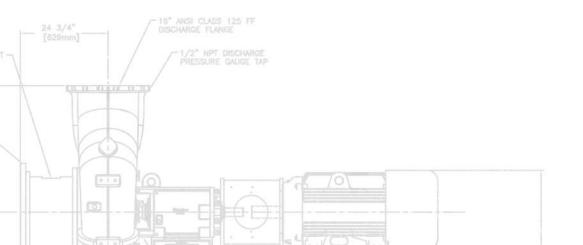
- Nozzle is adjustable a minimum of 180 degrees horizontally and 45 degrees vertically
- Auto Valve-actuator feature
- Duplex systems with one Recirculating device



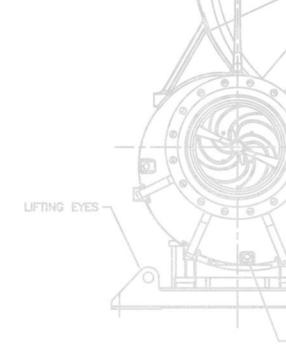




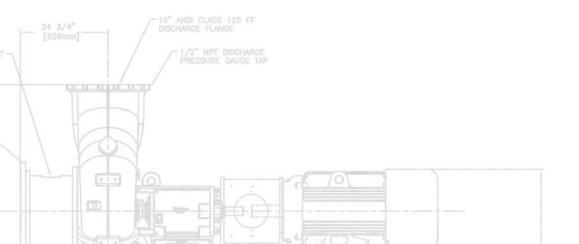
#### VWW Recirc How it Works - Animation







#### VWW Recirc in Lift Station - Video





## **CONDITIONING PUMPS**



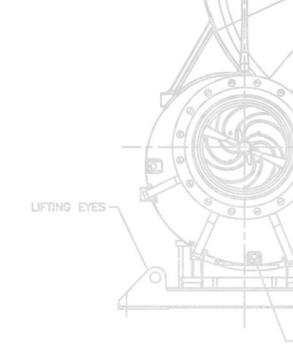
- ELIMINATES FLOATING MATS
- MOVES GRIT
- ELIMINATES COSTLY VAC TRUCK VISITS
- PORTABILITY
- COST EFFECTIVE
- 3"-8" MODELS CURRENTLY INSTALLED ACROSS THE GLOBE



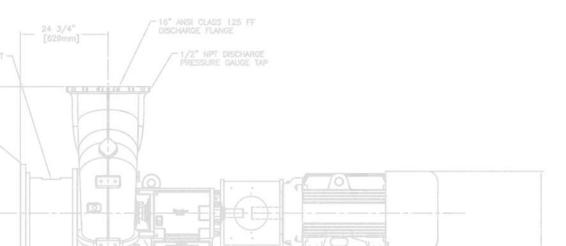
## CFD- Proven Mixing Options

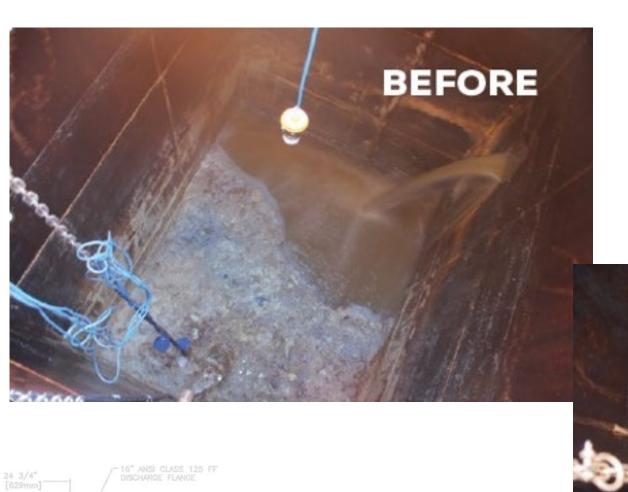


**CFD** - Animation

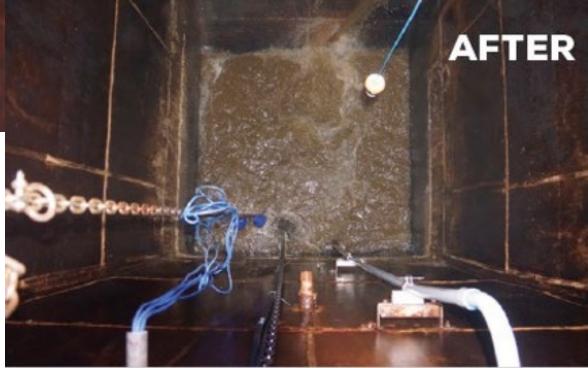


#### Conditioning Pump - Video





LIFTING EYES



## **Pump and Nozzles**



- Lift Station conditioning (non-duty pump)
- CSO
- Scum Wells
- Food Waste / FOG reception
- Septage
- Dedicated Tank Scum management
- Dedicated Tank Foam Suppression



## Pump and Nozzles - Continued

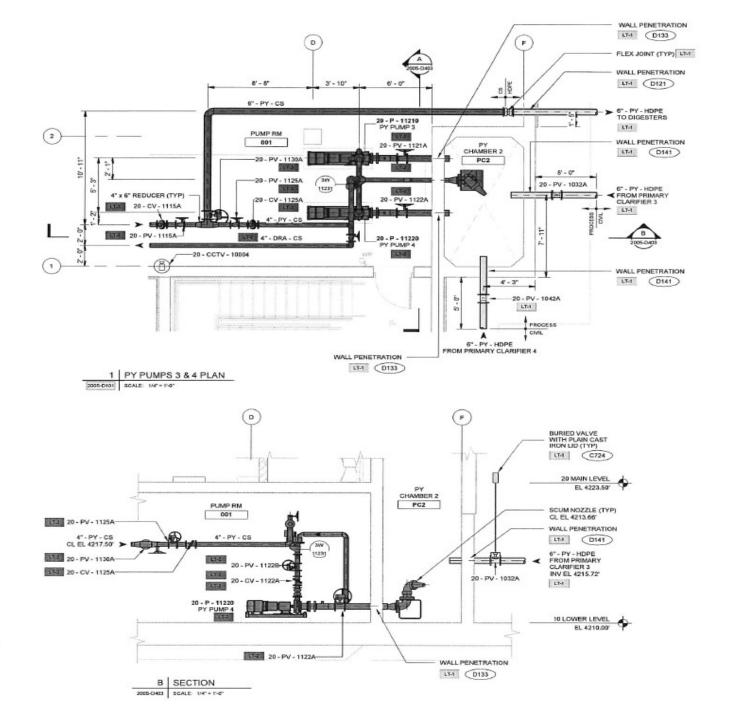
- Lift Station /CSO,
- " Large Shafts"
- Storm water management
- Grit management
- Solids handling
- Specialized Mixing Applications

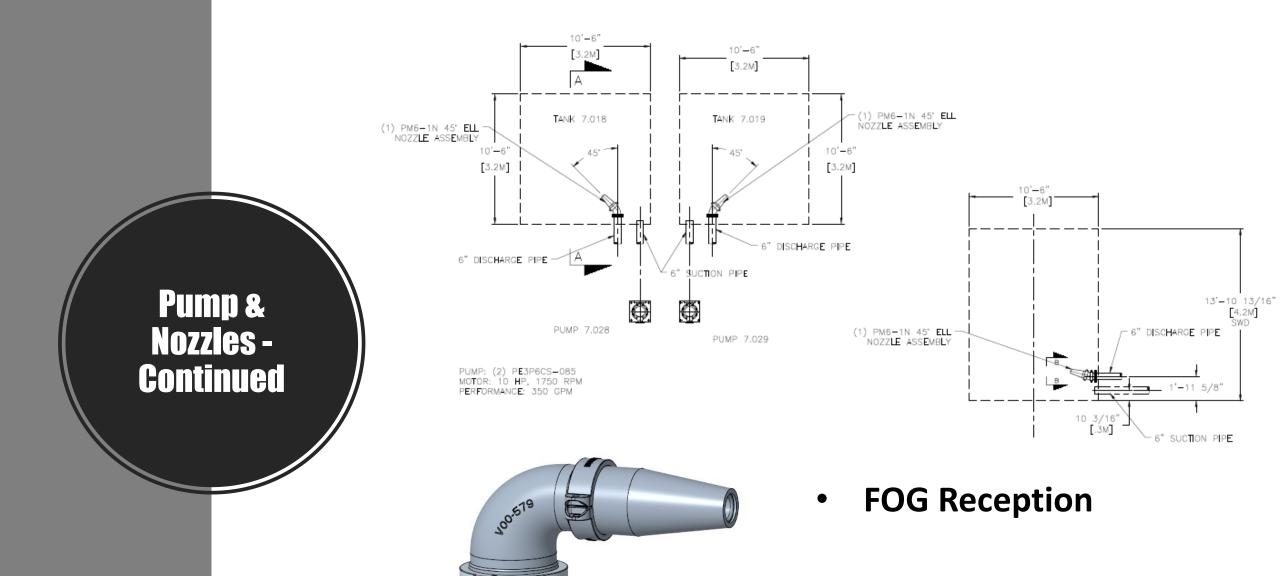


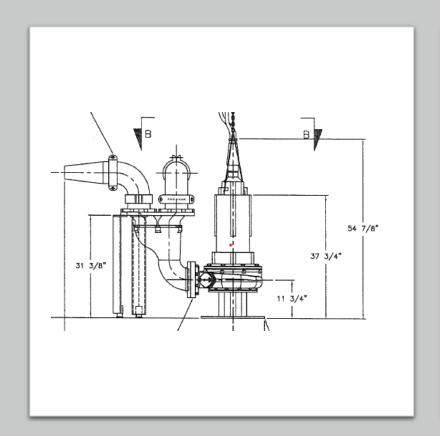
### **Pump & Nozzles - Continued**

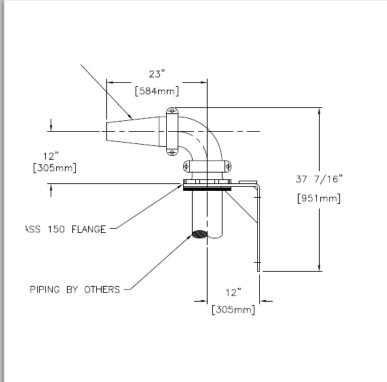
 Ability to mix multiple wet wells and transfer.

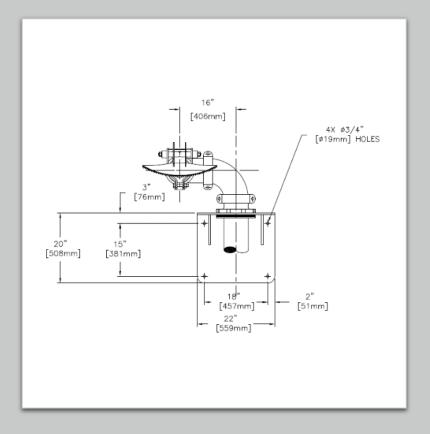












## **Nozzle Options**



# QUESTIONS

16" AMSI CLASS 125 FF DISCHARGE FEANGE

> "1/2" NPT DISCHARGE PRESSURE GAUGE TAI

