



TURBO JET MIXER®



The TurboJet Mixer uses the Bernoulli Principle of converting static pressure into velocity to cause low pressure. When in use a pressurized liquid is fed into the motive nozzle. The velocity of the liquid emitted from the nozzle orifice develops a vacuum of low pressure that draws in the surrounding liquid through inductors into the mixing chamber. This promotes a spiraling turbulent flow that produces multi-dimensional mixing and diffusing, and eliminating liquid stagnation. Motive liquid flow of 1xGPM will create a vacuum of 3xGPM being pulled in from surrounding liquid resulting in a 4xGPM flow ejected from the discharge.

In submerged applications it can suspend solids in a liquid, mix powders with liquids, and emulsifies primary liquids with secondary liquids.

The TurboJet Mixer has proven system applications in: aeration, bioremediation, neutralization, and slurries.

The TurboJet Mixer features no moving parts, features a replaceable nozzle, low energy consumption, and low installation costs. The TurboJet Mixer is primarily constructed out of standard unit 2" carbon steel for the main body. The Venturi unit and nozzle are constructed out of polyurethane. Other materials of construction are available.

SLUDGE MATE® PROCESSING CAPABILITIES	
Sludge Mate® Size	Amount of sludge processed per day
5 cu. yd.	5,000 gallons
7 cu. yd. Sludge Mate	7,000 gallons
12 cu. yd. Sludge Mate	12,000 gallons
15 cu. yd. Sludge Mate	15,000 gallons
20 cu. yd. Sludge Mate	20,000 gallons
25 cu. yd. Sludge Mate	25,000 gallons
30 cu. yd. Sludge Mate	30,000 gallons
40 cu. yd. Sludge Mate	40,000 gallons