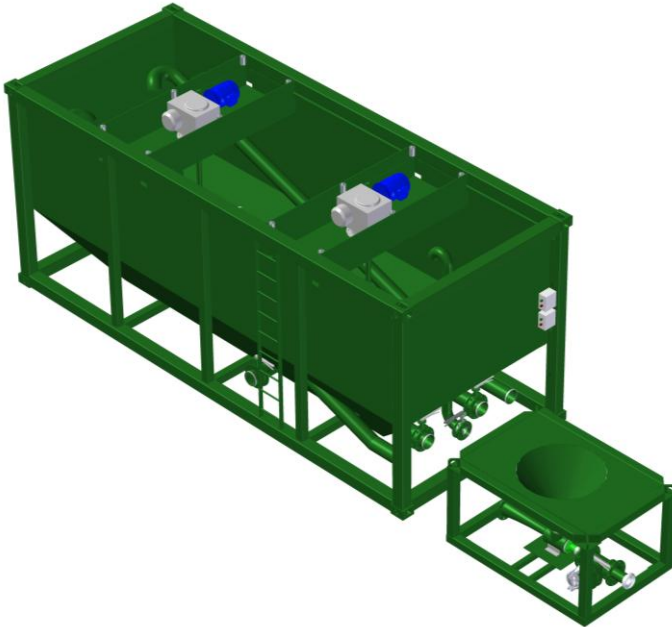


BENTONITE MIX TANK & VENTURI JET HOPPER



T PSD's MIX TANKs are purpose built 20' container-sized tanks for the mixing of bentonite and water as well as for the dilution of liquid grade flocculants or polymers. The system incorporates a 19m³ capacity steel mixing and holding tank with sloping sides, 2 No. vertical shaft, electrically driven agitators each with 4kW motor, 2 No. integral riser pipes, water inlet riser, multiple low level outlets on each side and twin Direct-On-Line starters with a 15m power cable, and can be used with 1 or 2 No. skid-mounted venturi jet hopper mixers.

The ground level venturi jet hopper mixers are suitable for feeding from 25kg sacks or 1000kg big-bags and are powered by separate centrifugal pumps of the client's supply, normally a Seltorque 150 or similar diesel driven pump would be suitable to drive each mixer. The unit will function satisfactorily with only one mixer in use. When used in conjunction with a suitable pump and a single jet hopper, the unit can mix at rates of up to 30m³/hr and double that with two pumps and two jet hoppers. Each jet mixer is fitted with a valved T-piece to allow the discharge from the pump to be supplied

either to the jet mixer or diverted to the client's storage tanks. This enables the easy and fast transfer of mud from the mix tank to the storage tank without the need for extra pumps.

The unit has a heavy duty hollow section frame with ISO corner castings and can be handled and transported as a standard type 1CC freight container. The overall transport size of the system is 6058x2438x2591mm high. In use, with one or two jet hoppers in place, the footprint of the system is 3000mm wide by 8450mm long.

TECHNICAL DATA

Tank volume:	Up to 19m ³ .
Mixing capacity:	Up to 30m ³ /hr with one jet hopper and up to 60m ³ /hr with twin jet hoppers.
Tank agitators:	2 No. Renold WMV6 vertical shaft agitators each with 3 No. stirring blades and powered by 4kW 4-pole direct on line started motor.
Transport size:	1 No. unit 6058x2438x2591mm (1CC container size), complete with ISO corner castings.
Weight (dry):	7 tonnes.
Operating weight (wet):	Up to 32 tonnes.
Operating size:	8450mm (L) x 3000mm (W) x 2591mm (H).
Power:	Requires power at 415V, 50Hz, 3-phase and earth. The unit is supplied with a 12m power cable.
Estimated running current:	12A per phase
Estimated starting current:	62A per phase
Noise emission:	60dB at 5m.