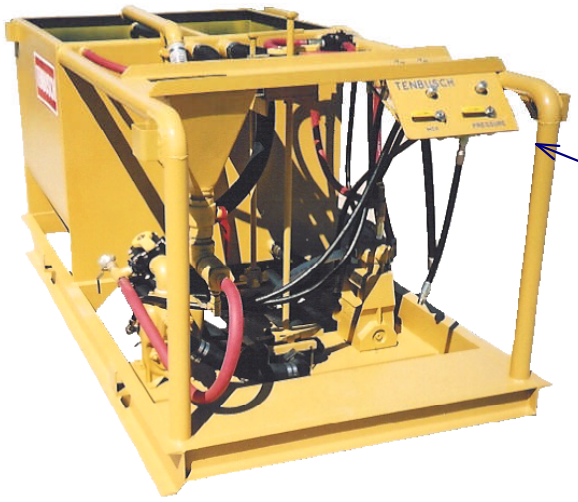
TENBUSCH Lubricant Mixing and Delivery Systems



The hydraulic controls shown here are typical.
- ON/OFF ball valves
- Needle valves on each circuit to control the speed of the pumps.

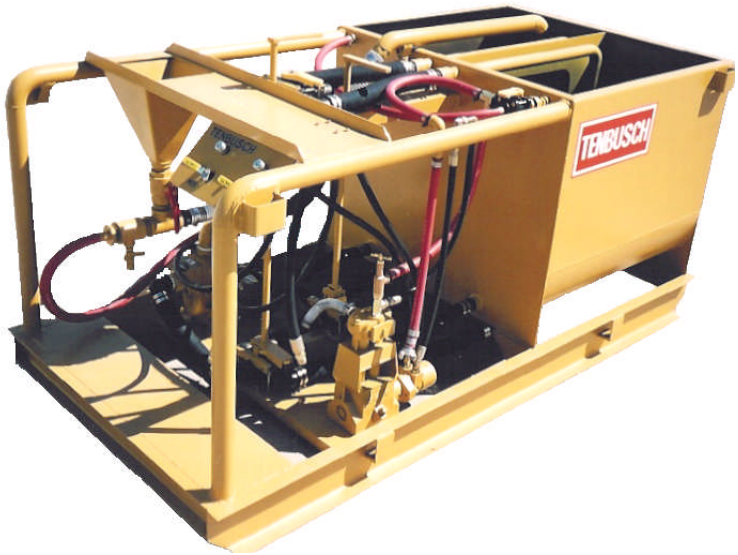
This Tenbusch Lubricant Equipment features

- All hydraulic – no ropes to pull, no batteries to attend to.
- Enhanced Mixing
  - ✓ Bentonite and/or Polymer is introduced through a venturi mixer
  - ✓ Lubricant is then mixed through a high volume centrifugal pump
  - ✓ Unmixed floaters enter the centrifugal pump through the overflow trough.
  - ✓ Additional mixing by recirculating through turbulent jets in the tank
- Delivery is done with a high pressure piston pump
- The speed of each pump is controlled hydraulically.
- Custom built to your needs

The unit shown here is a typical two tank design with a capacity of 100 gallons in each tank.

Typical dimensions;
84” long and 42” wide, with a height of 48”. It weighs approximately 700 lbs.

Typical output is 4 to 9 GPM at 800 psi.
The hydraulic power required is 1250 psi at 4 GPM.



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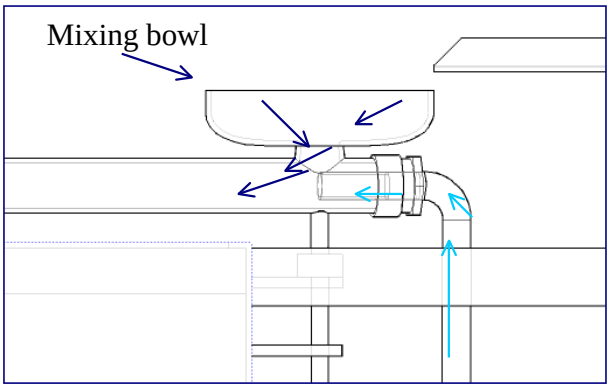
Tenbusch Lube Systems with NEW features

- VENTURI MIXER
- OVERFLOW RECIRCULATION

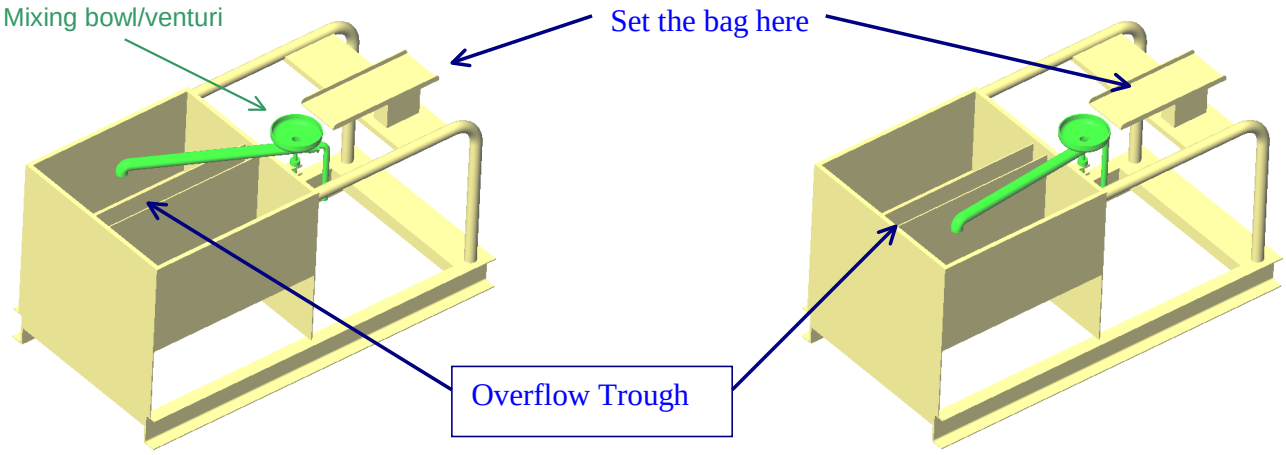
The lubricant materials are introduced through the mixing bowl and the venturi mixer.



Venturi Mixer

The new mixing bowl is shown to the left. As the bentonite powder travels down into the opening at the bottom of the bowl into the VENTURI MIXER, the stream of water from the small pipe washes it away and down the horizontal pipe and in the process mixes the material with water. This is equally effective with the powder, crystal, or liquid forms of polymer.

It's simple – lay a bag of bentonite on the machine next to the mixing bowl, open the bag and let it empty into to the mixing bowl as the water is filling the tank.



The two halves of the tank are separated in the middle by a "trough". The unmixed balls of bentonite can be directed into the trough by simply overflowing the tank on either side and thereby recirculating the unmixed material through the centrifugal pump. The three-way valves in the machine's plumbing system will allow the centrifugal pump to suck out of the overflow trough or out of either tank, as needed. In single tank configurations – the overflow trough is on the end of the tank.

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