

Product Information Sheet

Jet Shear & Hopper Units



Jet Shear Mixing Technology Utilizing Hydraulic Shearing Action

The FloTrend Jet Shear Units utilize a continuous pressurized liquid stream as the motive power, generally a centrifugal pump, to convert the pressure energy into a high velocity stream. The high velocity liquid stream caused by the converging geometry of the FlowTrend Jet Nozzel produces a low pressure region in the mixing chamber of the Eductor, drawing in the premixed slurry from the Hopper. The FloTrend Patented Nozzel orifice configuration generates both axial and radial vortices that interact and cause enhanced interfacial contact in the mixing chamber. This downstream interaction provides turbulent mixing and dynamic shear. The results are rapid hydration, uniform dispersion and fast delivery.



The FloTrend Jet Shears combined with the FTS Eductor and chemical hopper on one skid can be installed practically anywhere on the rig (depending on the capability of the rig pump). This unit is typically rigged up parallel to the rig hopper and fed off the same pump or retrofits, but can be used in place of the rig hopper particularly in new installations.

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These models include:

- In-Line Models.
- Combination Models.
- Batch Mixing Models.
- Custom Models.

Applications include:

- Polymer Mixing
 - Water Treatment and Drilling Fluids
 - Slurry Walls
 - Clay Slurries
 - Lime Slurries
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Part Number	Description	Sizes
609A	Jet Shear	All Sizes