Process Solutions International™

No matter the processing problem, PSI has the solution.

High Shear Hopper

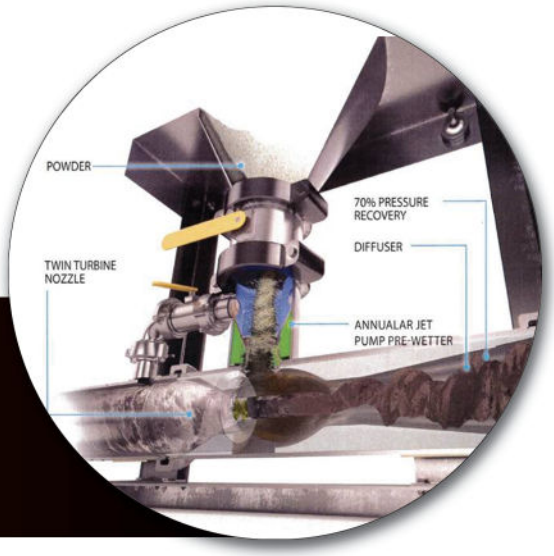
Key Benefits -

- *Dynamic shearing*
- *Rapid hydration*
- *Uniform blending*
- *No moving parts*
- *Long distance delivery*
- *Stainless steel body*

Features -

- *6" Mixing Eductor with high density, high abrasion resistant Urethane Nozzle & Diffuser*
- *Powder Pre-wetter line*
- *4" Feed Inlet pressure gauge on feed inlet, liquid filled*
- *24" Conical hopper with 6" butterfly valve and 30" x 48" work table constructed in 304 Stainless Steel*
- *4" Suction vacuum gauge on suction, liquid filled*
- *All components are assembled with Groove type connections (quick disconnect)*
- *Operating Pressure 40-50 psi (92-115 ft/hd)*
- *Net Weight:*
  4 in - 300 lbs
  6 in - 480 lbs

MADE IN U.S.A
HOUSTON, TEXAS



PSI Shear Mixers are designed to move large volumes of materials rapidly while drilling. They pump and introduce liquid and/or other additives into the materials, thereby sustaining high output.

For more information on our products, Please contact us at 7519 Prairie Oak Drive Houston, TX 77086
Local 281-893-4774 | (866) 866-4PSI (4774) | Fax 281-893-1027 www.PSIMAX2000.com

CERTIFIED ISO 9001:2015 COMPANY

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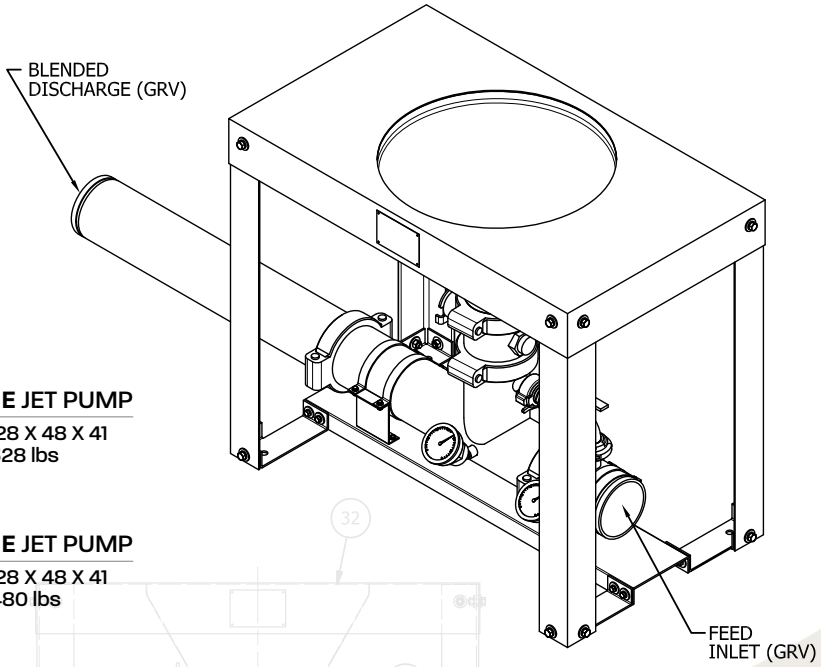
Problem Solving -

The shear hopper diffuses additives into your materials by means of high velocity, suction, turbulence and recirculation. Additives can be added manually and liquids can be added from a drum or tank. It requires fewer polymer or surfactant and up to 50% less bentonite.

The PSI shear mixer is both a ***radial premixer*** — eliminating clumping, fisheyes and microgel — and ***mixing eductor*** — providing vigorous mixing and robust shearing.



4 IN.
HYDRODYNE JET PUMP
Dimensions - 28 X 48 X 41
Net Weight - 328 lbs

6 IN.
HYDRODYNE JET PUMP
Dimensions - 28 X 48 X 41
Net Weight - 480 lbs

In short, our all-weather, high shear hoppers mix your materials quickly with the liquid/additive of your choice using low pressure loss., thus minimizing fish eyes and eliminating the need for extra equipment . They reduce the amount of waste needing disposal and minimize the environmental impact of that waste.

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