



High Efficiency Jet-Shear Mixing Systems

System Features



Dry Additive Hopper

Robust construction with integrated venturi mixer and shelf to ensure ergonomic handling of bags.



Liquid Additive Injection Ports

Multiple liquid injection ports are provided to enhance mud properties.



Enhanced Mixing System

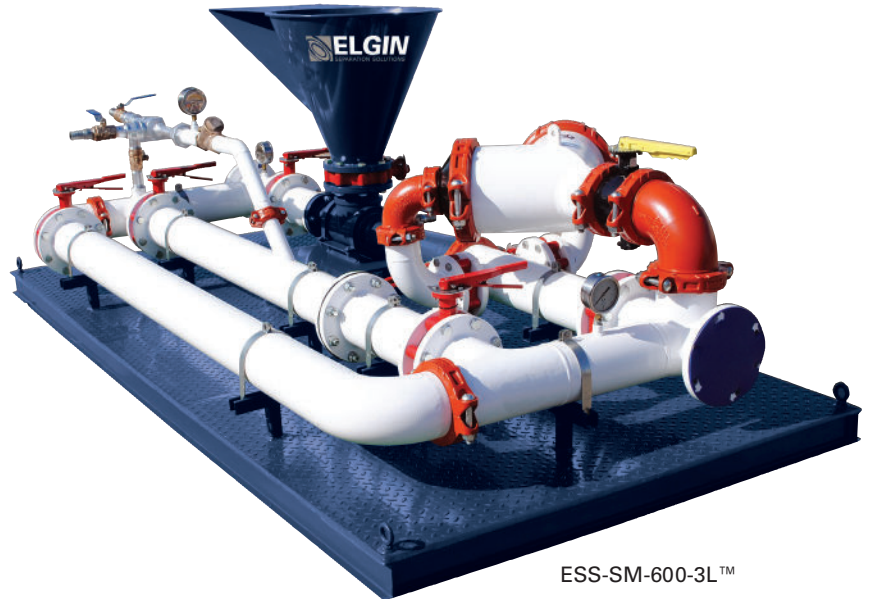
Double elliptical nozzles are set at opposing angles therefore forcing fluid streams to fold upon themselves.



Mud Bypass Line

Valve isolated mud bypass lines allows operators to bypass the low shear line with built in static in-line mixer.

Using our unique history as a provider of performance chemicals, Elgin has developed a line of drilling fluid jet shear systems. Elgin's jet shear systems provide efficient mixing of soluble polymers and bentonite used in water-based drilling fluids, therefore, eliminating "fish eyes." Drilling fluid yield and gel strength properties are instantly obtained with hydraulic shearing of bentonite or organophilic clays.



ESS-SM-600-3L™

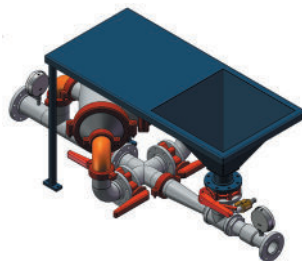
Features

- Carbon or Stainless Steel options available
- Various Hopper Configurations with a Loading Table and Venturi Nozzle
- Onboard Pressure Gauges for System Monitoring
- High-Pressure Butterfly Valves for Dedicated Flow Direction

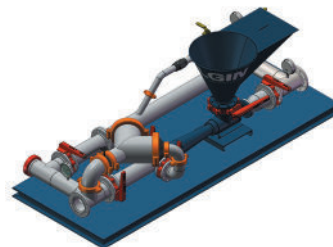
Benefits

- Prevents Formation of Fish-Eyes or Microgels
- Dynamic Shearing Enhances Surface Wetting and Hydration of Bentonite
- Promotes Additive Waste Reduction, Lowering your Carbon Footprint
- Creates Quick and Uniform Dispersion of Additives within the Drilling Fluid
- Net Result is Reduced Additive Cost

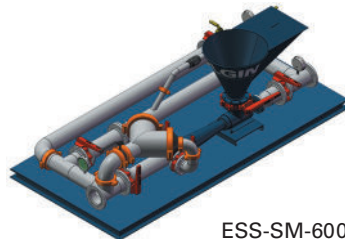
As needed to meet specific customer needs, Jet Shear systems can be designed with custom hopper configurations, chemical injection systems, and operator control systems.



ESS-SM-400-1L™



ESS-SM-400-2L™



ESS-SM-600-3L™

4-inch Hopper Configurations

Model:	Flow:
ESS-SM-400-1L	350 - 650 GPM
ESS-SM-400-2L	350 - 650 GPM
ESS-SM-400-3L	350 - 650 GPM

6-inch Hopper Configurations

Model:	Flow:
ESS-SM-600-1L	500 GPM - 1000 GPM
ESS-SM-600-2L	500 GPM - 1000 GPM
ESS-SM-600-3L	500 GPM - 1000 GPM

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