

## High Shear Mixer with Patented Mixing Head



Slurry formulations usually contain a base liquid and additives which must be dissolved or mechanically dispersed into the liquid to form a homogenous fluid. The resulting fluid may contain one or more of the following: water-dispersible (soluble) polymers or resins, clays or other insoluble but dispersible fine solids, and soluble salts. The fluids are mixed or sheared for times appropriate to achieve a homogenous mixture.

Shearing devices vary widely in the amount of shear they impart. Longer shearing times may be required for low shear devices to achieve complete dissolution/hydration of fluid components; while high shear devices may produce nearly completely yielded drilling fluid blends in a few minutes.

### Dispersator

The Fann High Shear Mixer (Dispersator) utilizes a patented mixing head that pumps material into the hollow mixing chamber and outward through the chamber openings. The mixing head's blades are designed to draft material from above and below the mixing head and pull it into the chamber. The suction of the blades and flow through the chamber provide a more homogeneous material mix compared to other mixers which rely exclusively on centrifugal force.

This mixer achieves a higher shear in less time and maintains a homogeneous material mix without shear degradation. The high speed mixing head is easily disassembled for cleaning. Both the head and the shaft are replaceable. The mixer is mounted on a rugged, stainless steel frame for stability during mixing.

**High Shear Mixer with Stainless Steel Stand, 115 Volt, AC/DC, 10,000 RPM, 1hp**

**Capacity – 30 gallons, material weight of 18 lb/gallon**

### Ordering Information

Part No.	Description
206008	High Shear Mixer, 115 Volts AC/DC, 10,000 RPM
206004	1/2" Shaft for High Shear Mixer
206011	7/16"-Shaft for High Shear Mixer

**Contact Fann for additional information on the High Shear Mixer or any of our other fluids testing equipment**