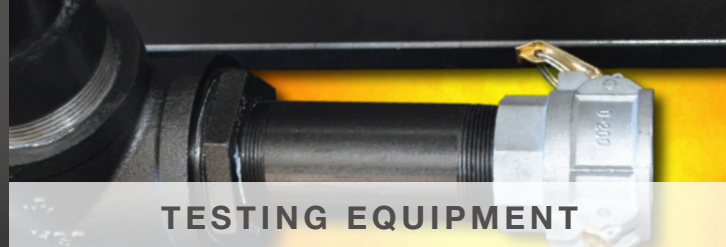


3-Inch Jet Mixing Hopper

USED TO MIX DRY POLYMERS
AND ADDITIVES



TESTING EQUIPMENT

DRILLING FLUIDS ADDITIVES CHEMICALS

The MATRIX 3-Inch Jet Mixing Hopper is made from steel and painted black. This sturdy 3-inch Jet Mixing Hopper has been engineered and designed specifically to mix BIG-FOOT® dry polymer and MATRIX dry additives.



SPECIFICATIONS

- Constructed of stainless steel
- 3 in inlet/outlet diameter
- Weight: 60 lb (27.22 kg)
- Dimensions: 26 in (66.04 cm) x 24 in (60.96 cm) x 16 in (40.64 cm)

DESCRIPTION

The 3-inch Jet Mixing Hopper is power-driven by a pump. Centrifugal, trash or air-diaphragm, that flows the mix water at high velocity through a venturi nozzle below the conical shaped hopper. The dry polymer products are added through the jet-hopper to provide dispersion, rapid hydration, uniform mixing and shearing of the dry polymer into the mix water to form a slurry.

FUNCTION

The mix water flowing within the 3-inch hose from the pump speeds up to pass through the nozzle restriction. And according to Bernoulli's equation creates a vacuum in the restriction. The hopper port at this restriction allows the vacuum to draw the dry polymer products into the jetted stream of water.

PROPER USE

Correct installation of the 3-inch jet mixing hopper is important for the best results. The 3-inch jet mixer should be placed on top of the mixing tank. The discharge (out) end of the mixer is pointed downward into the tank by connecting a section of 3-inch hard black hose. The water in end is where the 3-inch hose is attached with a male camlock from the pump in the same direction as the nozzle is directed.

The 3-inch jet mixing hopper is sturdy and can be set on the ground for direct mixing into the drilled excavation. Follow the connection instructions above.

AVAILABILITY

The 3-Inch Jet Mixing Hopper can be purchased through any MATRIX Construction Products Distributor. To place an order contact MATRIX Construction Products.

The information contained herein is believed to be accurate and reliable. MATRIX accepts no responsibility for the results obtained through application of this product. MATRIX reserves the right to update information without notice. For most current information see our website matrixcp.com. **PDS UPDATED JULY 27, 2016**



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