



PORTABLE AND F-SERIES MIXERS

Sharpe's all stainless steel mixer line represents the ultimate in sanitary mixers with the greatest resistance to corrosion and contamination. The all stainless steel construction goes above and beyond the specification for "paint free" equipment with no plating or burnishing.

Full gasket housings and a vapor seal where the shaft enters the mixer ensure that no contamination can be caused by the mixer drive itself.

Advantages of using a portable mixer:

- Strong SS316L investment castings make up the mixer housing, gearbox, and mounting clamp for superior durability
- Shaft coupling is sealed inside a gasketed nosecone safe from corrosion and possible accidents
- Heavy-duty lip seal below the bearing and coupling prevent moisture and dirt from reaching internal parts
- Oversize shafts of SS316 minimize whip and vibration
- Stainless steel electric motors offer wash-down duty in either single-phase or three-phase power. These premium motors feature all stainless construction including end bells and terminal boxes
- USDA approved high quality stainless steel
- Use with a variety of tank sizes
- Sharpe Mixers manufactures a wide variety of adjustable-height mixer stands, in sizes from 24" to 72" tall
- Etched name plates
- Corrosion resistant and easy to clean design
- Available in clamp, cup-plate, plate, flange, ferrule, or barrel mounting



F-Series Stainless Steel Mixers:

- Incorporate the same design advantages as Sharpe's Clamp-Mount portable mixers and are available in plate, flange, and ferrule mounting

DIRECT DRIVE HEAVY-DUTY PORTABLES

Sharpe Mixers direct drive portable mixers provide high speed mixing for those jobs where greater shearing action is required and for smaller batch mixing. The high speed of the impellers (1750-rpm) create localized high velocity eddies (high shear) necessary for many applications such as dispersing and dissolving dry powders into a solution.

Standard Features:

- Alloy mixer housings are powder coated for maximum durability
- Ball and socket mount allows 360° rotation and 90° vertical adjustments
- Standard NEMA 56C frame motors are used to assure "off the shelf" availability and a wider range of motor options
- Shaft Coupling is protected from corrosion, safely located inside the sealed housing
- No exposed coupling means a safer mixer
- Outboard shaft bearing minimizes whip and vibration*
- Brass-tipped stainless setscrews eliminate corrosion and prevent marring the mixer shaft
- A Viton® vapor seal protects internal parts*
- Stainless-Steel clamp, cup-plate, plate, flange, or ferrule mounting
- Oversize ¾", 1", and 1-¼" diameter shafts are used for maximum stability and long life
- S.S.316 propellers provided standard
- Shear discs or other impellers available
- Patented quick lock mounting system for ease of precise position without tools



F-Series Direct Drive Mixers:

- Incorporate the same design advantages as Sharpe's Direct Drive portable mixers and are available in plate and flange mounting with various seals

*Some items colorized for illustration. Optional wash-down duty motor shown.

GEAR DRIVE HEAVY-DUTY PORTABLES

Sharpe Mixers gear drive portable mixers are the best choice for larger volume and higher-viscosity applications. The slower speed (350-rpm) provides the high torque necessary to mix higher viscosity fluids and the higher flow required in larger tanks. Large diameter Hyflo 218 impellers produce much more flow per horsepower than other mixers on the market.

Standard Features:

- Precision helical gearing is hardened and ground for exceptional strength and durability. AGMA Quality-10 guarantees quiet operation
- Outboard shaft bearing minimizes whip and vibration*
- Patented quick lock mounting system for c-clamp and cup plate mounts
- Brass-tipped stainless setscrews eliminate corrosion and prevent marring the mixer shaft
- Standard NEMA 56C frame motors are used to assure “off the shelf” availability and a wider range of motor options
- Shaft Coupling is protected from corrosion, safely located inside the sealed housing
- No exposed coupling means a safer mixer
- Alloy mixer housings are powder coated for maximum durability
- Ball and socket mount allows 360° rotation and 90° vertical adjustments
- A Viton® vapor seal protects internal parts*
- Stainless-Steel clamp, cup-plate, plate, flange, or ferrule mounting
- Oversize ¾", 1", and 1-¼" diameter shafts are used for maximum stability and long life
- SS316 construction energy-efficient Hyflo 218 impellers pump more for less power

F-Series Gear Drive Mixers:

- *Incorporate the same design advantages as Sharpe's Gear Drive portable mixers and are available in plate, flange, and ferrule mounting with various seals*



THRIFTY MIXERS

The Thrifty mixer line is an economical choice for light-duty or intermittent-duty applications. The mixers are available from 1/6 to 1/3 hp to handle tanks up to 250 gallons of water-like material, or 50 gallons of product with viscosities up to 250 cps.

Choose between standard c-clamp, bolted cup-plate or 2" NPT barrel mounting. Tote bin models also available.

Standard Features:

- Adjustable angle mounting clamp and housing are made of heat treated aluminum
- Non-proprietary 56C-frame motors. Standard 1-ph models include 10-foot cord with switch and 3-prong plug
- Shaft coupling is enclosed within a protective housing
- SS316 mixer shaft, 5/8" diameter x 30" long
- SS316 marine propellers
- Folding-blade impellers are available for installation through 2" NPT bungs on barrel mixers

Optional Features:

- Lift stands, tanks, totes are available (please see the Lifts, Accessories, and Mixer Options Brochure)



TYPICAL MIXING

Applications

- Dispersion
- De-agglomeration
- Dissolution
- Suspension
- Reaction acceleration
- Particle size reduction
- Homogenization
- Emulsification

Industries

- Food & Beverage
- Pharmaceutical & Biotech
- Cosmetic & Personal Care
- Pulp & Paper
- Petroleum
- Chemical
- Municipal
- Waste Treatment
- Mining

