

V-SERIES SIDE ENTRY MIXERS

The primary goal when developing the Sharpe V-SERIES mixer line was to make the mixers simple and easy to maintain. All access areas are large and open for servicing. The grease fittings for the bearings and lube ports for the seals are reached from one location. All seal parts, shaft bearings and belt drive components on the mixer are replaceable without removing the mixer or draining the tank.

The unique modular construction and many options available mean that a Sharpe V-Series mixer can be built to meet many processing requirements.

Benefits:

- A wide range of shaft sizes, speeds, seal designs, impeller styles, and mounting arrangements are available
- Extremely durable two-part epoxy polyurethane paint is standard for superior corrosion resistance

Advantages of using a V-Series side entry mixer:

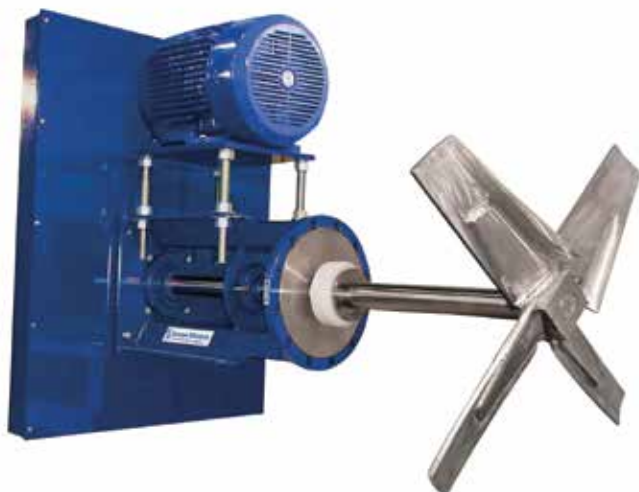
- Standard 3V, 5V, or 8V sheaves with QD bushings for a dependable drive that is easier to maintain
- Heavy duty tapered roller bearings
- Oversized shafting for minimum vibration
- Durable steel Sharpe V-Belt guards are built with ample clearance and ventilation for belt cooling and allows for changes in ratio if required
- Seal shut-off; shaft retraction quickly seals off tank leakage and allows for removal of bearings and seal components without draining the tank

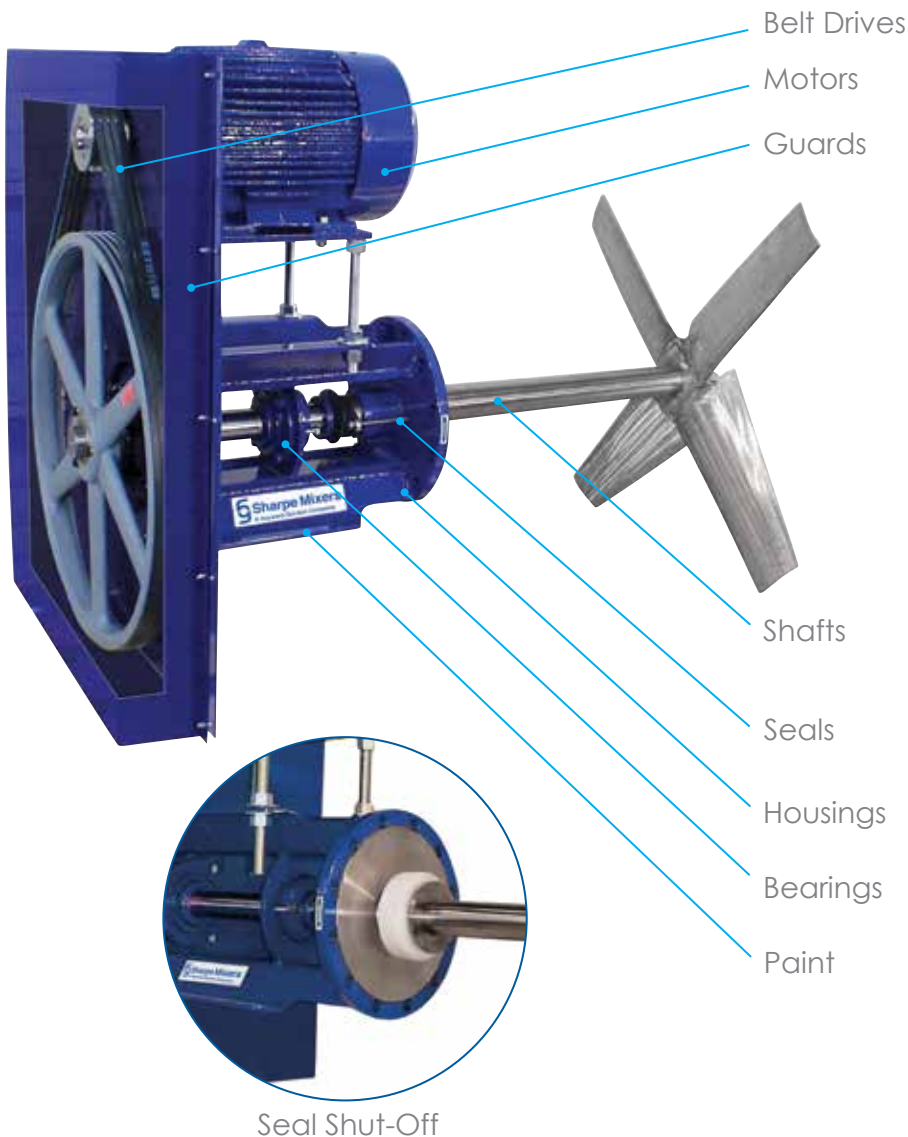
Standard Features:

- NEMA or metric frame motors with TEFC motor enclosure
- Energy efficient HYFLO 218 impeller
- Standard 7-Ring high pressure stuffing gland
- Spring and weight loaded lubricators and rotometers

Optional Features:

- Chem-Duty explosion proof and other enclosures are available
- Depending on the mixing application, additional impeller designs are available
- Chrome, flame sprayed, or sleeved shaft hardening available





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

Maintenance:

To shut off tank leakage during seal or bearing removal, the shaft retraction is the simplest in the industry, by loosening one bearing and tightening two jacking screws, easily accessible. Tank shut-off for repacking the stuffing gland can be done without disturbing the belt drive. To service mixer bearings, a collar is supplied to hold the shaft in position during bearing removal. Assembly points include jacking screws to make disassembly an easy task even after years of demanding service.

