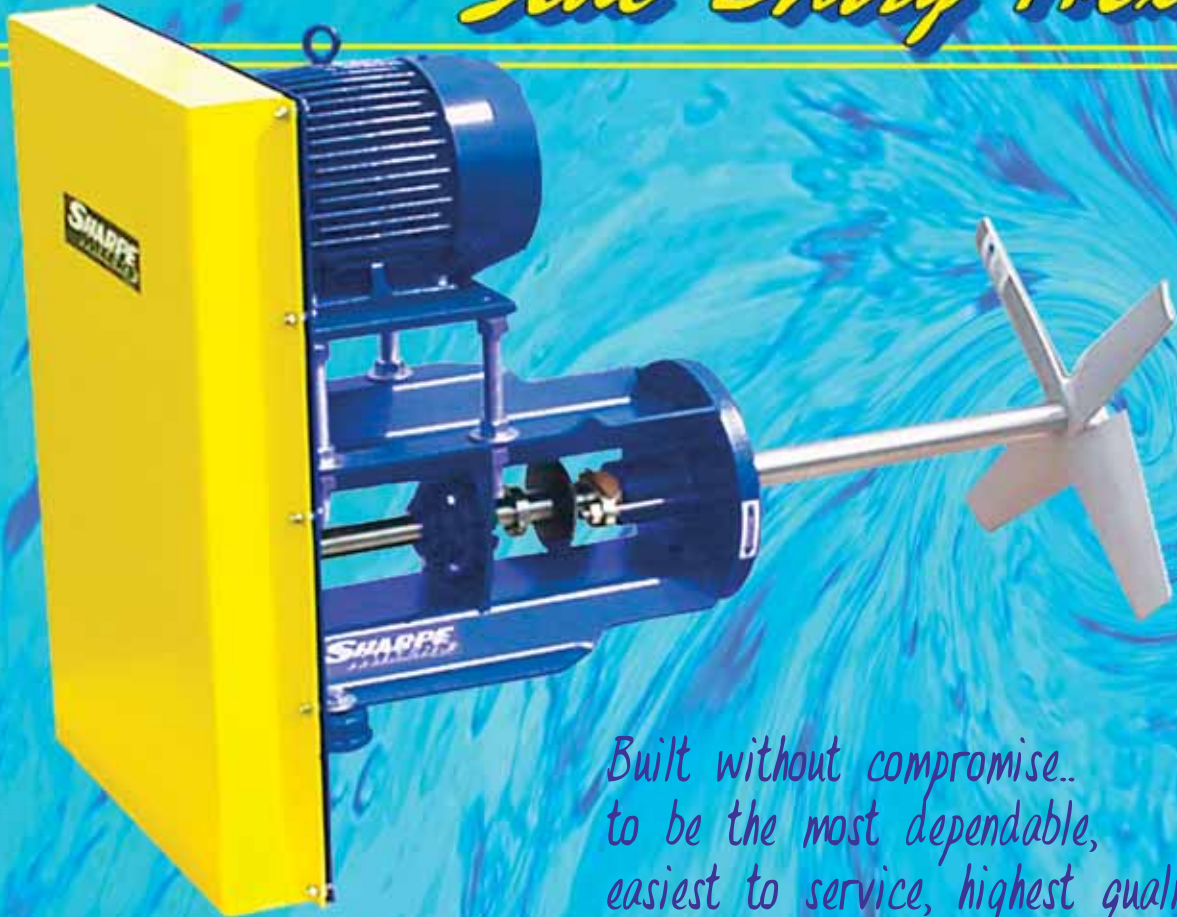


V-SERIES

Side Entry Mixers



*Built without compromise..
to be the most dependable,
easiest to service, highest quality
mixers on the market*



SHARPE MIXERS

BELT DRIVES – The Sharpe V-Belt drive is designed for easy maintenance and long life, with a minimum 1.5 service factor on all models. Standard 3V, 5V or 8V sheaves are used, complete with premium “QD” style bushings for a more dependable drive that is easier to maintain.

HOUSINGS – The Sharpe V-SERIES housings are designed to be the strongest available, fabricated from steel and oversize for easy maintenance and durability (Look at the competition, and you will find brittle castings and limited space for maintenance). The housing is precision line bored for perfect alignment and quality. We learned from experience that hinged motor mounts tend to work loose and rattle over time, so Sharpe’s motor mount is designed for simple adjustment using four oversize studs to tighten the belts.

SHAFTS – Oversized shafting, precision machined for vibration-free operation. Wear sleeves, hard chrome, or Chrome-Nickel-Boron hardening at the seal is optional to extend the life of the shaft when abrasive products may accelerate wear (not necessary with mechanical seals).

PAINT - Extremely durable two-part epoxy polyurethane paint is standard for superior corrosion resistance. Special paint available.

BEARINGS – Heavy-Duty piloted dual tapered-roller bearings provide higher radial and thrust carrying capacities for longer trouble-free life. These quality bearings are stocked worldwide and come complete with their own piloted housings and integral oil seals. The bearings simply bolt in place on the mixer (unlike many competitors’ designs that require specially trained personnel to adjust the preload on the bearings’ taper-lock bushings). The same size bearing is used front and rear to reduce spare parts requirements.

SEALS - Sharpe Mixers offers seals to meet every requirement. The traditional packed gland is available in many configurations and can be supplied with flushing fittings or force-fed lubricators. Mechanical seals in single, double and split designs are also available for positive leak-free operation, including the seal preferred at your plant.

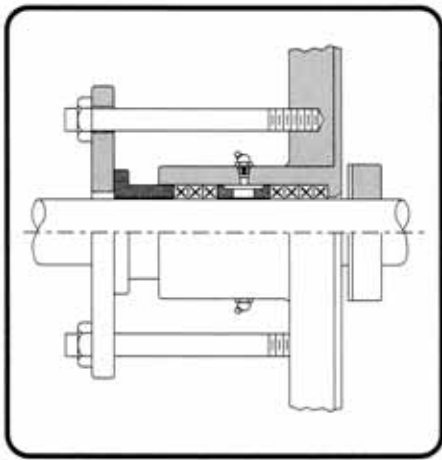
GUARDS – The Sharpe V-Belt guards are built with ample clearance and ventilation for belt cooling, and to allow changes in ratio if required. All Sharpe guards are fabricated from steel for durability.

MOTORS- From 1.5 to 300 horsepower motors are available in NEMA and metric frames. TEFC furnished standard; Chem-Duty Explosion-Proof and other enclosures optional.

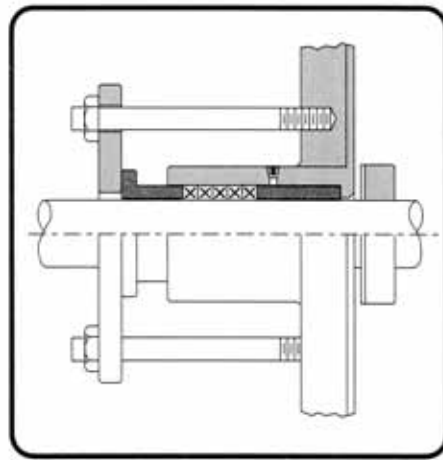
IMPELLERS – Energy efficient HYFLO 218 impellers are furnished standard, with other impeller designs available. This exclusive family of “hydrofoil blade” Hyflo impellers was developed through extensive testing and consultation with aerospace engineers to maximize pumping efficiency. Each impeller is designed specifically for the application by calculating the fluid velocity over the turbine blades to determine the blade curvature that will be the most efficient. The result is more flow for less power. Unlike cast impeller blades that may break or cause balance problems, Hyflo impellers are fabricated from plate steel, fixture welded and pitched for the strongest and most accurate construction. Impellers are balanced for smooth operation.

SEAL SHUT-OFF - Sharpe’s seal / bearing removal and service system is the simplest in the industry. Shaft retraction quickly seals off tank leakage and allows for removal of bearings and seal components without draining the tank. Pre-set clips and registered collars properly set the position of bearings and seals without special adjustment.

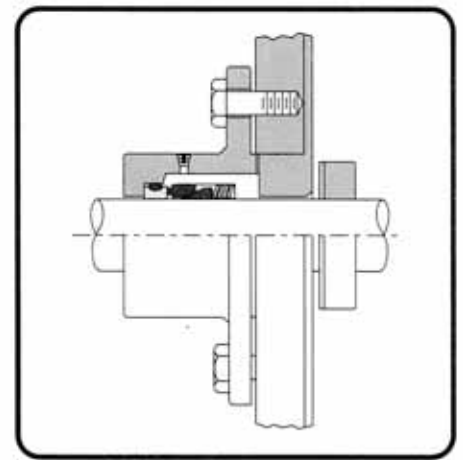
MAINTENANCE – The primary goal when developing the Sharpe V-SERIES mixer line was to make the mixers simple and easy to maintain. All access areas are large and open for servicing. The grease fittings for the bearings and lube ports for the seals are reached from one obvious location. All seal parts, shaft bearings and belt drive components on the mixer are replaceable without removing the mixer or draining the tank. Shaft retraction (to shut off tank leakage during seal or bearing removal) is the simplest in the industry, by loosening one bearing and tightening two jacking screws, all located in plain sight and 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.



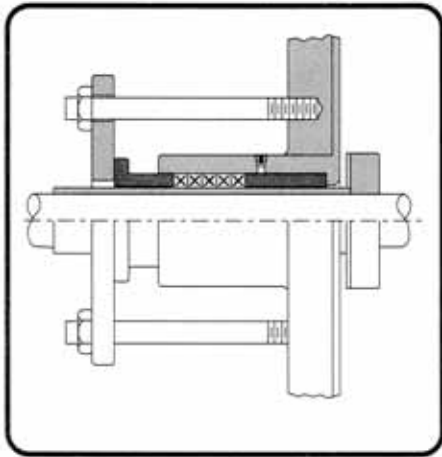
STANDARD 7-RING HIGH-PRESSURE STUFFING GLAND



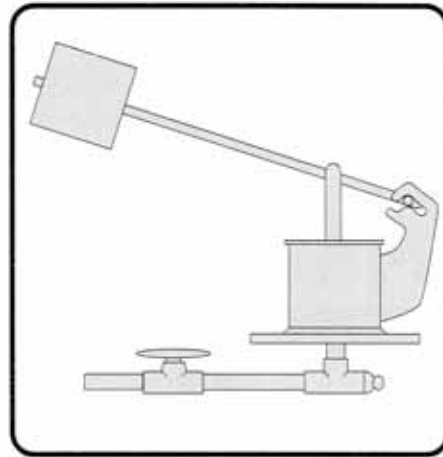
PAPER STOCK 5-RING STUFFING GLAND WITH THROTTLE BUSHING



ALL STYLES AND TYPES OF MECHANICAL SEALS ARE AVAILABLE



CHROME, FLAMESPRAYED OR SLEEVED SHAFT HARDENING AVAILABLE



SPRING AND WEIGHT-LOADED LUBRICATORS AND ROTOMETERS

The unique modular construction and many options available mean that a Sharpe V-Series mixer can be built to meet your exact requirements. A wide range of shaft sizes, speeds, seal designs, impeller styles and mounting arrangements are available, as well as alloy construction from SS316 to Titanium and Hastelloy. Unique designs have been developed for specific applications such as asphalt storage, high-density paper stock and flue gas desulfurization.



MADE IN USA

Applications

- FOOD AND BEVERAGE
- ASPHALT & PETROLEUM
- PULP AND PAPER
- PETROLEUM
- FLUE GAS DESULFURIZATION
- CHEMICAL
- MUNICIPAL
- WASTE TREATMENT
- MINING

Sharpe Mixers' strength originates from the teamwork and energy of our people - experienced and innovative employees dedicated to providing exactly what our customers demand: superior equipment, excellent service and timely delivery at a competitive price.

SHARPE MIXERS

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