

Agriculture Automotive

Asphalt

Brewing & Distilling

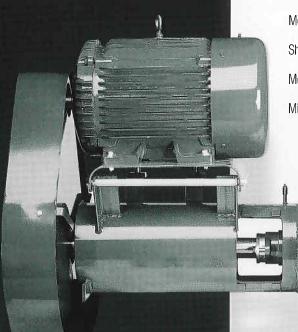


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SIDE ENTERING MIXERS

Side entering mixers are well suited for blending, storage and off-bottom solid suspension applications. They are commonly used in industries such as asphalt, petroleum, crude oil, gasoline, chemical, edible oil and paper mills. Because of their low initial cost and easy installation, side entering mixers are often preferred for larger tanks where mixing is easily accomplished or for large storage tank applications.

PROVEN PERFORMANCE

Performance has been our doctrine for five decades because we understand that our users' profits are adversely affected when mixer problems lead to substandard products or production downtime.

Consequently, we build every MixMor mixer to the highest design and manufacturing standards, which enable us to guarantee its performance when used in accordance with our recommendations. Here are some of the reasons behind our confidence in our mixers.

Process Performance

We provide the optimum energy efficient mixer for each application while, at the same time, providing the degree of agitation necessary for the required process results. We do not oversize the mixer to protect our process warranty. In today's energy-conscious world, our recommended mixers conserve energy while minimizing your operating cost. Our representatives will provide engineering assistance to define the application requirements and accurately outline the process.

Performance in Design

All designs are based on conservative engineering standards, simplicity, and ease of maintenance. Modified or special mixers are designed and manufactured to the same standards.

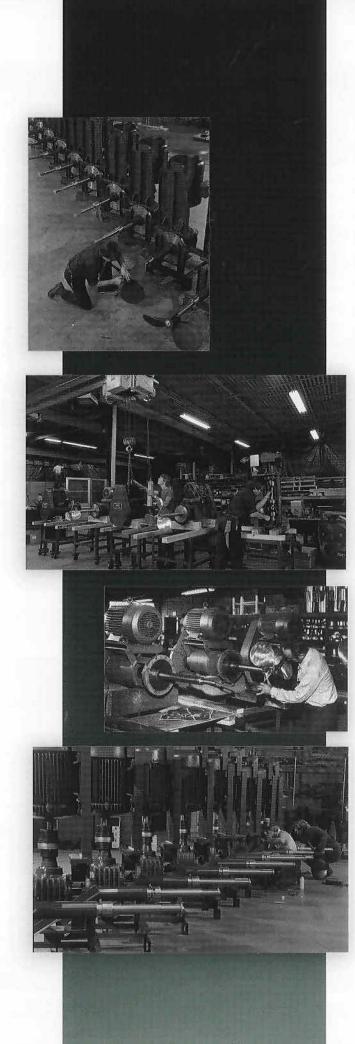
Manufacturing Performance

We manufacture all MixMor mixer components at our own plant rather than trust them to outside job shops. All work is performed under strict quality control procedures and every mixer is test-run before final approval for shipment.

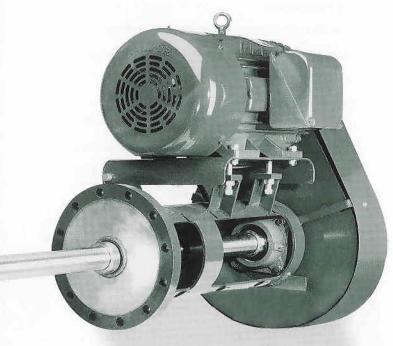
After-the-Sale Performance

Comprehensive service instructions and spare parts lists are furnished with every mixer. All commercially available parts, such as, standard NEMA frame motors, bearings, belts, and sheaves can be replaced from our stock or purchased from your local power transmission parts house. When requested, MixMor representatives will provide start-up assistance.

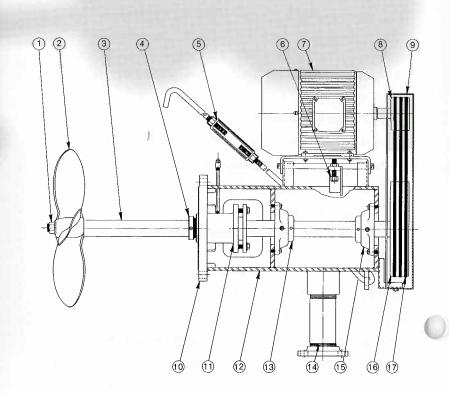
These are just a few of the reasons why MixMor mixers stay on the job when the going gets tough...and why satisfied users consistently come back to MixMor for their mixer requirements. They know they can count on MixMor for dependable performance.

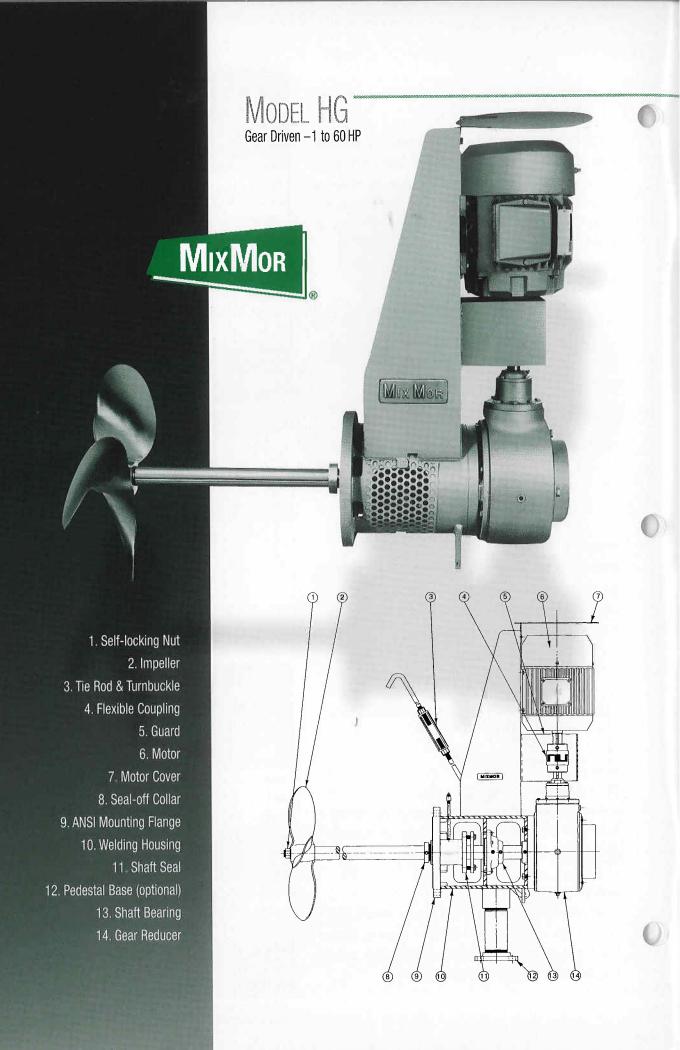




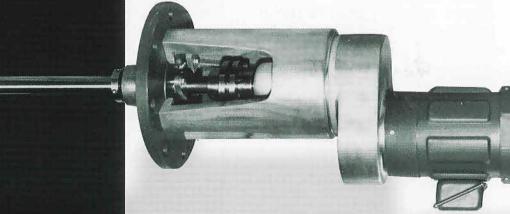


1. Self-locking Nut 2. Impeller 3. Shaft 4. Seal-off Collar 5. Tie Rod & Turnbuckle 6. Belt Adjustment Screw 7. Motor 8. Drive Sheave 9. Guard 10. ANSI Mounting Flange 11. Shaft Bearing 12. Welding Housing 13. Shaft Bearing 14. Pedestal Base (optional) 15. Shaft Bearing 16. Driven Sheave





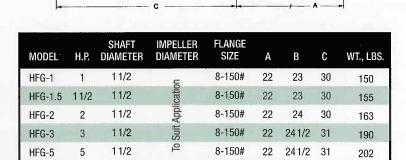
MODEL HFG Gear Driven -1 to 5 HP



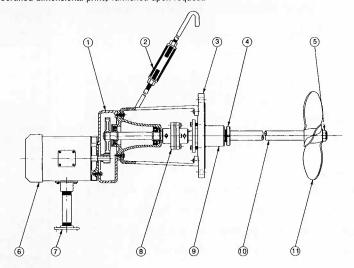
Model HFG Efficient & Compact

The MixMor Model HFG occupies a minimum of space utilizing a single reduction helical reducer. The reducer is grease lubricated for life with output speeds of 280, 350 & 420 rpm. Motors are NEMA "C" face available in all enclosures. The Model HFG offers the same impellers, seals and high quality as our other models.

1 Gear Reducer
2 Tie Rod & Turnbuckle
3 ANSI Mounting Flange
4 Seal-off Collar
5 Self-locking Nut
6 Motor
7 Pedestal Base (optional)
8 Flange Coupling
9 Shaft Seal
10 Shaft
11 Impeller

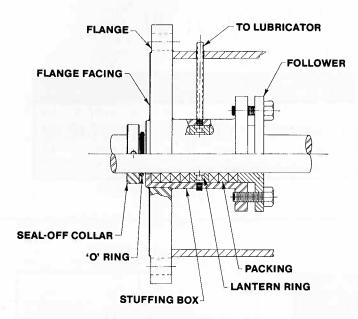


Dimensions, Inches. Dimensions are approximate. Certified dimensional prints furnished upon request.



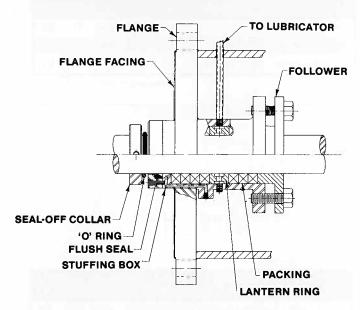
SHAFT SEALS

Mixers can be furnished with single or double mechanical seals or a conventional packed stuffing box. Customer preference to the manufacturer or type of mechanical seal or packing can normally be accommodated. A seal-off device to permit replacement of the seal, while the tank is full, is standard with packed stuffing boxes, optional with mechanical seals.



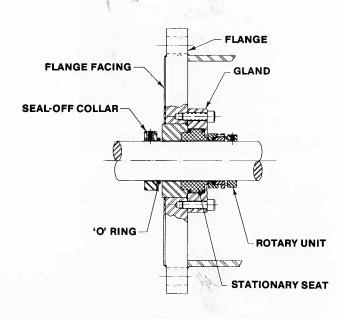
Packed Stuffing Box

Packed stuffing box uses 7 rings of packing, a lantern ring for lubricant distribution and follower for packing adjustment, Packing can be replaced while the tank is full. Different packing types and designs are available for practically any application.



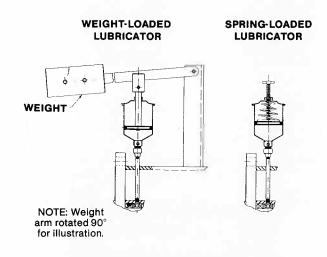
Waterflush Stuffing Box

This seal design is the same as the packed stuffing box with the addition of a waterflush feature. It is designed to assist in keeping solids that are in the product from entering the stuffing box and causing premature shaft and/or packing failure due to abrasion.



Mechanical Seal

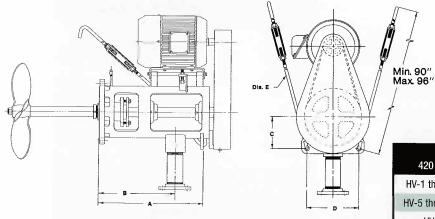
Single balanced outside mechanical seals can be furnished on any of the mixer models. Models HV and HG are available with a seal design which permits their replacement without the need to empty the tank, double mechanical seals are also available.



Stuffing Box Lubricators

Either of these optional lubricators are available on any of the mixer models. They maintain constant pressure on the packing lubricant, forcing it into the lantern ring for the best possible packing/shaft life. The weight loaded lubricator gives an inherent visual aid in checking the amount of lubricant in the cup.

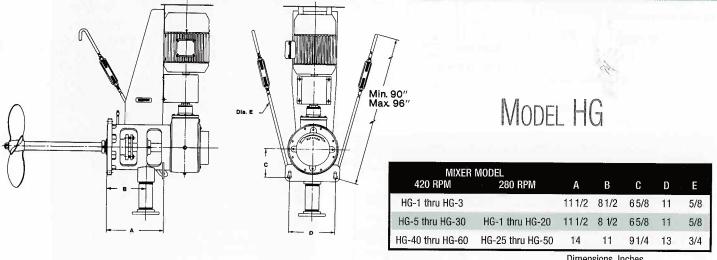
MECHANICAL MOUNTING DETAILS



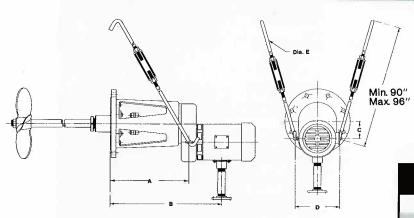
MODEL HV

MIXER MODEL								
420 RPM	280 RPM	Α	В	C	D	Ε.,		
HV-1 thru HV-3		20	14	65/8	11	5/8		
HV-5 thru HV-30	HV-1 thru HV-20	26	17 1/2	65/8	11	5/8		
HV-40	HV-25	30	21 1/2	91/4	13	3/4		
HV-50 thru HV-60	HV-30 thru HV-60	32	231/2	91/4	13	3/4		

Dimensions, Inches



Dimensions, Inches



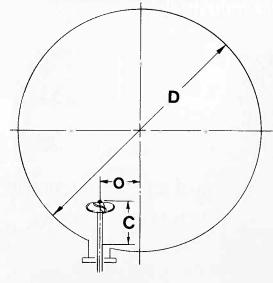
MODEL HFG

MIXER MODEL	Α	В	C	D	E
HFG-1 thru HFG-1.5	161/2	23	41/4	93/4	3/8
HFG-2	161/2	24	41/4	93/4	3/8
HFG-3 thru HFG-5	161/2	241/2	41/4	93/4	3/8

Dimensions, Inches

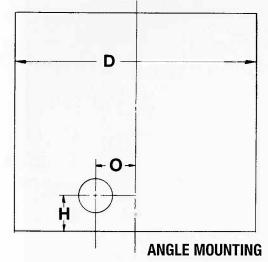
MIXER LOCATION

OFF-SET MOUNTING

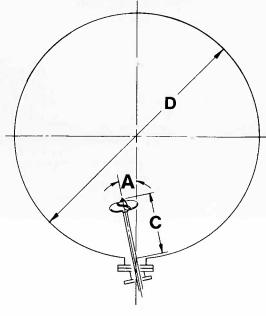


Side-entering mixers must be positioned correctly to insure top to bottom circulation and elimination of dead areas. Multiple mixers are used on large tanks. Two alternate methods of location are shown, angle and offset mount. Maximum efficiency is achieved when these parameters are followed.

SIDE VIEW



"D" Tank Diameter	"O" OFFSET INCHES	"A" ANGLE	"H" BOTTOM CLEARANCE	"C" Sidewall Clearance		
Up to 40'	D/16	7°				
41' to 60'	D/14	8º	1 Impeller	.75 Impeller Diameter Minimum		
61' to 90'	D/12	9°	Diameter Note 3			
91' & Larger	D/11	10°				



Notes:

- 1) Angle is to left of tank centerline with right-hand impeller in clockwise rotation.
- 2) Distance from liquid level to mixer shaft centerline should be at least 2 impeller diameters.
- 3) Measured from tank bottom or tangent line to shaft centerline.

GUARANTEE

MECHANICAL
MixMor guarantees
materials and
workmanship of
all products for
one year from
date of shipment.

PROCESS

All mixers are guaranteed for performance when their installation and use is in accordance with engineering recommendations made by MixMor.

MixMor

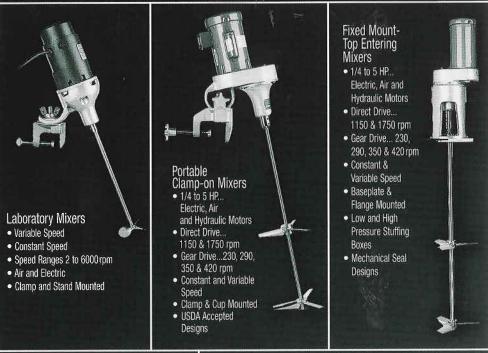
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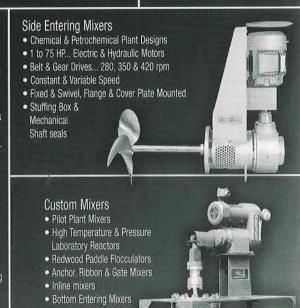
Website: www.mixmor.com

For Every Industrial Application





Mechanical Seals



NATIONAL REPRESENTATIVES

Your Local Representative Is: