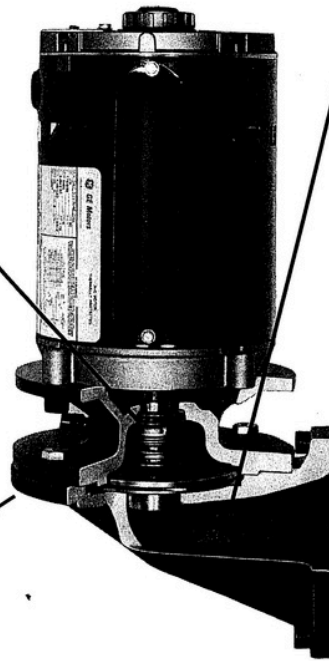


*Used on "G" Series Condensate and Boiler Feed Pumps*



• All New "SterlSeal™" Pump Seals – features the ultimate in ceramic technology for exceptionally long life. Because the seal runs on the bronze impeller hub, the motor shaft is literally outside of the pump. Consequently, the shaft is not exposed to corrosion by condensate. Rated for temperatures up to 250°F.

• Impeller is brass for long life. Efficient design provides maximum capacity, minimum motor load.



• Heavy Cast Iron pump housing and bracket assure rigidity and long life. Because outlet is in lower housing, strains caused by piping misalignment cannot affect pump operation.

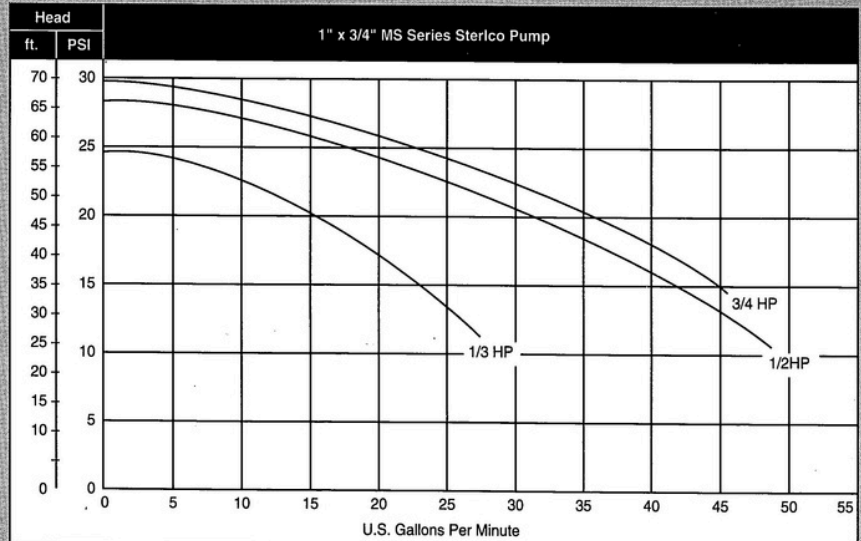
• Flat Perforated Brass Strainer in pump inlet prevents clogging.

**Engineers, Architects  
Specification**

A Sterlco (MS SERIES) centrifugal pump shall be furnished (and installed as shown on the plan). It will have a capacity of \_\_\_ GPM @ \_\_\_ feet total head pressure, without overloading the motor. The pump shall be designed so that the motor shaft will not be exposed to water. Provisions for a seal flush or vent shall be provided. The pump shall be close-coupled to a 3450 RPM, (open drip proof, totally enclosed or explosion proof) motor of \_\_\_ HP, \_\_\_ phase, \_\_\_ cycle and \_\_\_ voltage. The pump shall have available four discharge positions and shall allow the motor and impeller to be removed without disturbing the piping connections.

**Features**

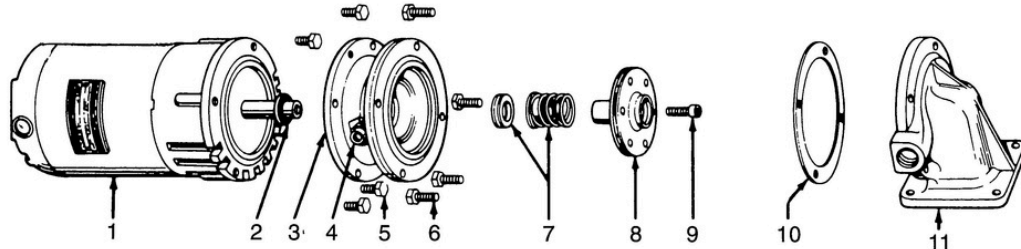
- 1/3, 1/2, 3/4 HP
- 3/4" NPT Discharge
- Stainless Steel Motor Shaft



# Replacing Rotary Seal Assembly on Sterlco (MSVA) Pump and Motor: 1/3, 1/2 and 3/4 HP

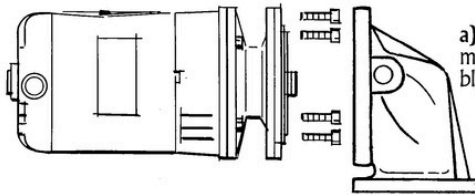
## PARTS

- |                  |                         |                    |
|------------------|-------------------------|--------------------|
| 1. Motor         | 4. Motor Screws (4)     | 9. Impeller Screw  |
| 2. Water Slinger | 6. Pump Screws (4)      | 10. Housing Gasket |
| 3. Motor Bracket | 7. Rotary Seal Assembly | 11. Pump Housing   |
| 4. Tube Fitting  | 8. Impeller             |                    |

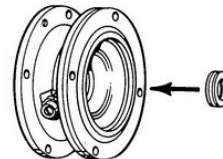


Step No. 1 – Dis-assembling (Removal of old seal assembly)

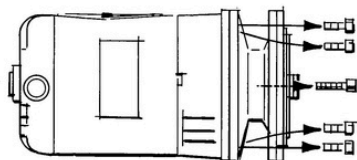
Step No. 2 – Re-assembly (Installation of new seal assembly)



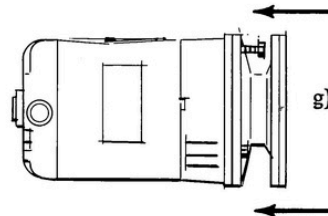
a) Remove pump housing from motor bracket and impeller assembly by removing pump screws.



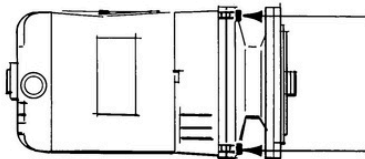
f) Coat outside edge of new seat with seal lubricant and slip it into the bracket. Press into bracket with thumbs or wooden dowel. Handle seat carefully so seating surfaces are not scratched or chipped...be sure it is squarely seated.



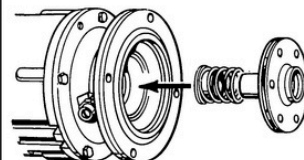
b) Remove impeller screw and motor screws. (Note: opposite end of motor shaft is fitted with screwdriver slot to hold shaft securely while impeller screw is being removed.)



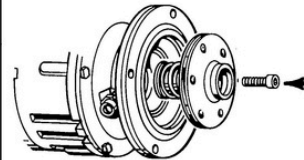
g) Remount bracket on motor.



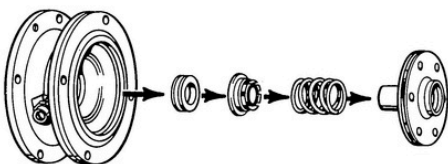
c) Insert two of the pump screws into the two threaded holes in the bracket. Tighten them slowly and evenly to force the impeller and bracket off the shaft. Do not pry the impeller or bracket!



h) Lubricate impeller hub with seal lubricant. Slip new bellows and spring onto impeller hub. Be sure bellows slides freely on impeller hub.

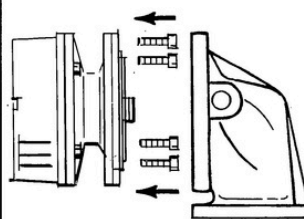


i) Replace impeller on motor shaft and secure with impeller screw. Hold shaft with screwdriver slot while tightening screw.



d) Remove old seal parts from impeller hub and bracket. Be sure water slinger is in place.

e) Clean impeller hub thoroughly...remove all loose particles of dirt, grease, etc. Use fine emery cloth if necessary. Also clean the recess in the bracket so the new seat will fit perfectly. Remove all particles and dirt on gasket surfaces of the two castings.



j) Replace pump housing onto bracket, using a new housing gasket. Secure with pump screws. Be certain gasket is seated properly.

NOTE: When ordering parts please indicate pump model number and serial number.

**STERLCO Sterling, Inc.**