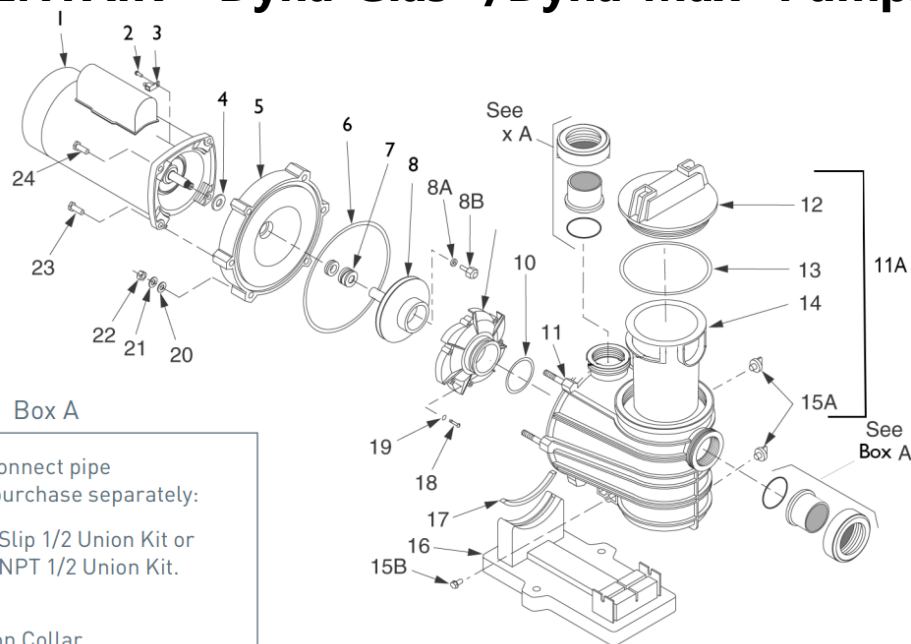




REBUILD KIT

COMPATIBLE WITH

PENTAIR® Dyna-Glas™/Dyna-Max™ Pumps



Box A

For quick disconnect pipe connections, purchase separately:

Pkg. 188-2 in. Slip 1/2 Union Kit or
Pkg. 189-2 in. NPT 1/2 Union Kit.
Includes:

U11-200P Union Collar

U9-362 O-Ring

U11-196P 2 in. Slip Adapter or
U11-199P 2 in. NPT Adapter.

SHAFT SEAL CHANGE INSTRUCTIONS:



⚠ WARNING

IMPORTANT SAFETY INSTRUCTIONS PLEASE READ AND FOLLOW ALL INSTRUCTIONS When servicing electrical equipment, basic safety precautions should always be observed including the following. Failure to follow instructions may result in injury. **A. WARNING** – To reduce risk of injury, do not permit children to use this product. **B. Disconnect all electrical power service to pump before beginning shaft seal replacement.** **C. Exercise extreme care in handling both the rotating and the stationary sections of the two-part replacement seal. Foreign matter or improper handling will easily scratch the graphite and ceramic sealing surfaces.**

Release all pressure by opening all vents before starting work.

1. Drain pump by removing drain plugs on bottom of pump body and trap body. 2. Be sure there is no pressure in trap body; remove cover (unscrew by turning counterclockwise). 3. Remove 6 nuts, lockwashers and flat

washers holding seal plate to pump body. Pull seal plate and motor away from pump body. (You may have to CAREFULLY use a screwdriver to separate body from seal plate.) 4. Remove seven screws and washers holding diffuser to seal plate. Remove diffuser. 5. Remove motor canopy. Being careful not to touch capacitor terminals, loosen capacitor clamp and move capacitor to one side. 6. Hold shaft with 7/16" open-end wrench on motor shaft flats. 7. Unscrew impeller from shaft (turn counterclockwise when facing it). NOTICE: On 3 phase models, remove impeller screw (left hand thread - turn clockwise) and gasket before removing impeller. Inspect gasket for damage, cracks, etc. Replace if damaged. 8. Remove four screws holding seal plate to motor. 9. Place seal plate face down on flat surface and tap out ceramic seat (Fig. 6). 10. Remove slinger from motor shaft and inspect for damage or abrasion. 11. Clean seal cavity in seal plate and clean motor shaft. Pump

Reassembly/Installing New Seal

1. Ceramic seat must be clean and free of dirt, grease, dust, etc. Wet outer edge with small amount of liquid detergent; press ceramic seat into seal plate cavity firmly and squarely with finger pressure (Fig. 6). 2. If ceramic seat will not locate properly, remove it, place face up on bench and reclean cavity. Ceramic seat should now locate. 3. If seat still will not locate properly, place a cardboard washer over the polished face and use a piece of 3/4" (19mm) standard pipe for pressing purposes. NOTICE: Be sure not to scratch or mar polished surface or seal will leak. 4. Replace slinger on end of motor shaft so that impeller sleeve will push it into position. If slinger shows signs of wear or damage, replace it. 5. Remount seal plate on motor. Tighten bolts to 60-80 inch-lbs. (69-92 kg/cm) torque. 6. Apply a small amount of liquid detergent to inside diameter of rotating half of seal. 7. Slide rotating seal member, polished carbon face out, over impeller sleeve until rubber drive ring hits back of impeller. NOTICE: Be sure not to nick or scratch polished seal face; seal will leak if face is damaged. 8. Screw impeller onto shaft (clockwise); this will automatically locate seal in seal plate. NOTICE: On 2 HP model; install impeller gasket and lock screw (lefthand thread - turn counterclockwise). Torque lock screw to 50-55 inchlbs. (57.6-63 kg/cm). 9. Mount diffuser on seal plate; tighten screws to 10-14 inch-lbs. (11.2-16.1 kg/cm) torque. 10. Assemble motor and seal plate to pump body with nuts, flat washers and lock washers. Torque nuts to 120-130 in-lbs. (138-150 kg/cm). 11. Prime pump according to instructions in pump install & operation manual.

THESE INSTRUCTIONS ARE FOR INFORMATIONAL PURPOSES ONLY. THE MANUFACTURER ASSUMES NO LIABILITY FOR ANY INJURY OR DAMAGE OF PROPERTY. ANY USE OF IMAGES, BRAND NAMES, OR LOGOS ARE FOR THE PURPOSES OF DEMONSTRATING COMPATIBILITY ONLY.

ALL PARTS ARE MADE IN THE UNITED STATES OR SOURCED FROM US SUPPLIERS.

THANK YOU FOR SUPPORTING A SMALL AMERICAN BUSINESS!