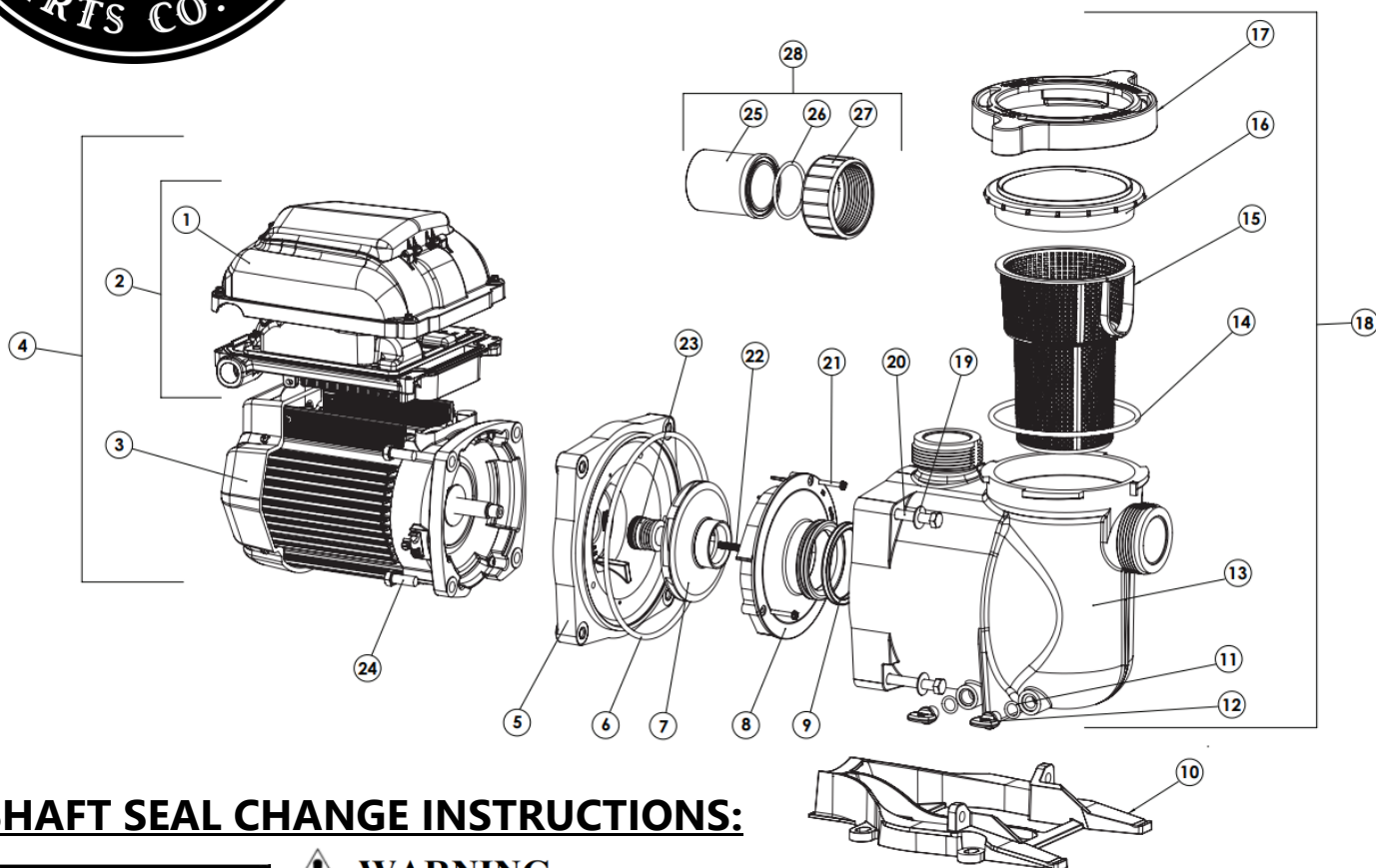




REBUILD KIT

COMPATIBLE WITH

PENTAIR® SuperFlo™ SuperMax™ (and VS variant) Pumps



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.**

Pump Disassembly

Tools required: • 1/4" socket or open-end wrench • 3/8" socket or open-end wrench • 9/16" open-end wrench • 1/4" hex key • Flat blade screwdriver To disassemble the pump: 1. Press the Start/Stop button to stop the pump

2. Disconnect all power to the pump at the circuit breaker. 3. Relieve all pressure from the filtration system at the filter air relief valve. 4. Remove the two (2) drain plugs from the bottom of the strainer pot and drain the pump. 5. Using a 9/16" wrench, remove the four (4) bolts and washers securing the strainer pot to the motor/drive assembly. 6. GENTLY separate the pump halves. 7. Remove the three (3) screws securing the diffuser to the seal plate. 8. While holding the motor shaft in place at the rear of the motor, remove the impeller screw. Note: The impeller screw is reverse thread and loosens clockwise. 9. Continue to hold the motor shaft in place and unthread the impeller counter-clockwise. 10. Using a 9/16" wrench, remove the four (4) bolts securing the seal plate to the motor. 11. If replacing the shaft seal, continue to Shaft Seal Replacement on page 16. Otherwise, continue to Pump Reassembly when necessary.

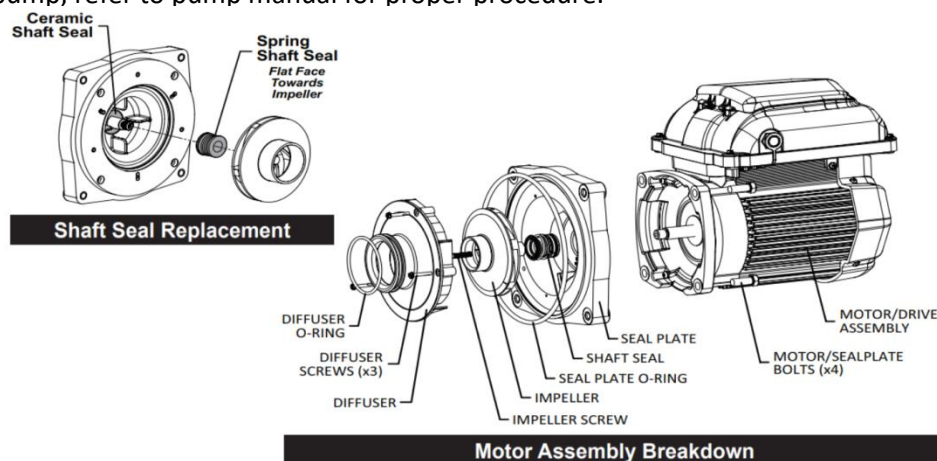
Shaft Seal Replacement

The Shaft Seal consists of two halves, a rotating spring seal and a fixed ceramic seal. The shaft seal may occasionally become damaged and require replacement. To replace the shaft seal, follow the instructions below.

1. Ensure you have completed all pump disassembly instructions on the previous page. 2. Remove the old Spring Seal from the impeller shaft with a pair of pliers. Note: When removing the spring seal the inner sleeve of the seal may stick to the shaft. Ensure it is removed before installing the new spring seal. 3. Place the seal plate face down on a flat surface and tap out the old ceramic seal with a flat-blade screwdriver. 4. Flip the seal plate over and thoroughly clean the seal cavity. 5. Lightly lubricate the outside rubber surface of the new ceramic seal with a silicone lubricant. 6. With the White Face upwards, firmly press the ceramic seal into the seal plate cavity with your thumbs. 7. Thoroughly clean the seal face with a clean cloth. 8. Using a 9/16" wrench, secure the seal plate to the motor with the four (4) motor bolts. Tighten to 75-80 in-lbs. (86-92 kg/cm). 9. With the Flat Face towards the impeller, slide the new spring seal onto the impeller shaft. 10. Thoroughly clean the seal face with a clean cloth. 11. Hold the motor shaft in place at the rear of the motor and hand tighten the impeller clockwise onto the motor shaft. 12. Continue reassembling the pump according to the instructions given in Pump Reassembly.

Pump Reassembly

1. Place the seal plate onto the motor/drive subassembly, ensuring the side marked "UP" is at the top. 2. Using a 9/16" wrench, secure the seal plate to the motor with the four (4) motor bolts. Tighten to 75-80 in-lbs. (86-92 kg/cm). 3. While holding the motor shaft in place at the rear of the motor, thread the impeller onto the motor shaft clockwise. Hand tighten only. 4. Continue to hold the motor shaft in place and reinstall the impeller screw. Note: The impeller screw is reverse thread and tightens counter-clockwise. 5. Secure the diffuser to the seal plate using the three (3) diffuser screws. 6. Inspect the diffuser seal and seal plate O-ring for damage and replace if necessary. Grease both before continuing. 7. Using a 9/16" wrench, secure the strainer pot to the motor assembly with the four (4) volute washers and bolts. Note: Ensure the seal plate O-ring is not pinched between the two pump halves. 8. Reinstall the two (2) drain plugs into the bottom of the strainer pot. Hand tighten only. 9. To restart the pump, refer to pump manual for proper procedure.



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!