

# Domestic® Pump Adapter Flange Kits

180031, 180032, 180033, 180034,  
180035, 180036, 180037

## Installation, Operation and Service Instructions

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**INSTALLER:** PLEASE LEAVE THIS MANUAL FOR THE OWNER'S USE.

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### **SAFETY INSTRUCTIONS**

This safety alert symbol will be used in this manual to draw attention to safety related instructions. When used, the safety alert symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A SAFETY HAZARD.

### **DESCRIPTION**

This kit allows Domestic/Hoffman "A" flange pumps to be mounted to select Sterling, Mepco, Weinman, Skidmore, Aurora, Federal and Economy receivers. The following Domestic pumps are "A" Flange Pumps:

#### **CENTRIFLO PUMPS:**

180001, 180030, 609PF, 613PF, 616PF, 617PF, 618PF, 620PF, 625PF, 626PF, 627PF, 650PF, 651PF

#### **B35 PUMPS:**

613B, 616B, 617B, 620B, 626B, 627B



**CAUTION:** Electrical connections to be made by qualified electrician in accordance with all National, State, and Local codes.



**CAUTION:** Operating personnel should be trained in the operation of centrifugal pumps and any associated system (Condensate, Boiler Feed, etc.).

## PROCEDURES

1. Operate old pump momentarily to remove as much liquid as possible from the unit receiver.
2. Close Inlet Valve.
3. Close Discharge Line Valve.

**WARNING/HIGH VOLTAGE ELECTRICITY**  
Disconnect and lock out power before connecting or servicing unit. Failure to follow these instructions could result in serious injury or death.

4. Open disconnect switch; disconnect motor leads and conduit. Any electrical service should be performed by a qualified electrician.
5. Remove drain plug in volute and air relief tubing if supplied.
6. Remove suction strainer and volute gasket.
7. Position adapter gasket on receiver pad and secure adapter to receiver using the (4) socket head screws supplied.
8. Position Domestic/Hoffman pump volute gasket on adapter face.
9. Mount replacement pump on adapter and secure with (4) hex head cap screws supplied.
10. Assure that the unit is piped in accordance with system design.

**WARNING/HIGH VOLTAGE ELECTRICITY**  
Disconnect and lock out power before connecting or servicing unit. Failure to follow these instructions could result in serious injury or death.

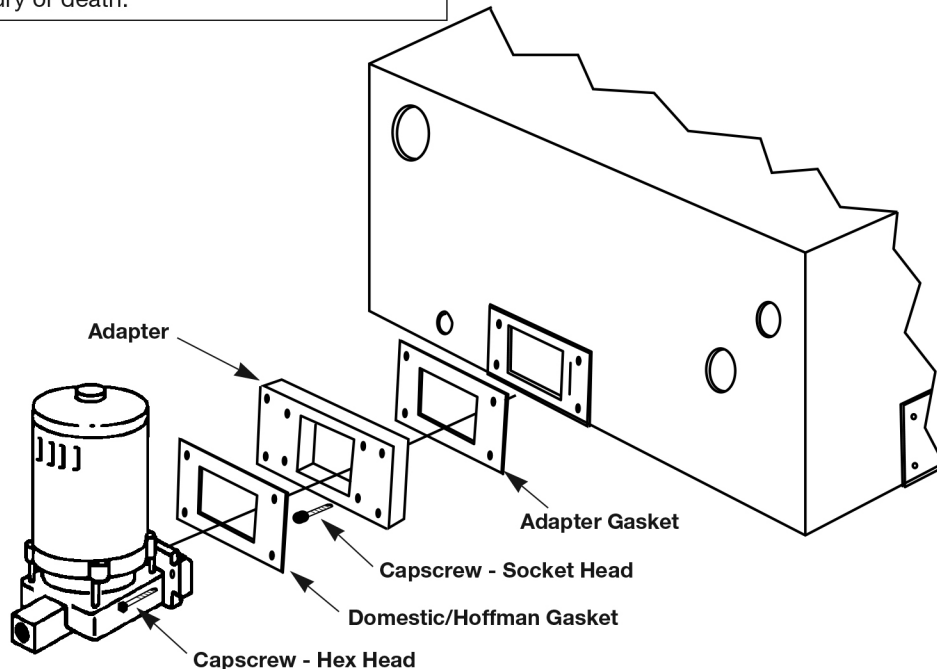
11. Reconnect motor leads and conduit. Check motor wiring vs. available voltage. Any electrical service should be performed by a qualified electrician.
12. Open Inlet Valve.
13. Open discharge line Valve.

**CAUTION/DO NOT RUN DRY. SEAL DAMAGE MAY OCCUR.**  
Failure to follow these instructions could result in serious injury or property damage.

14. Momentarily test pump for proper operation.

**CAUTION/DO NOT REVERSE**  
Reverse operation can cause extensive damage to pumps. Jog the motor to test for direction of rotation. Failure to follow these instructions could result in serious injury or property damage.

15. Check for proper rotation direction of motor/pump. Rotation must be clockwise looking down on the motor as indicated by directional arrow on pump casting. If pump runs backwards, interchange two wires (3 phase motors only).
16. Balance pump to design pressure using the discharge line gate valve or circuit setter.
17. Inspect Pump Receiver interface for leaks and tighten fasteners as necessary. Observe operation through several cycles.



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