"Quality Pumps Since 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

ZOELLER® PUMP CO.

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SECTION: 2.50.007
FM2465
0108
Supersedes
New

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THE SHARK® Series

932 REPLACEMENT ASSEMBLY

SIMPLEX REPLACEMENT GRINDER FOR POSITIVE DISPLACEMENT GRINDERS

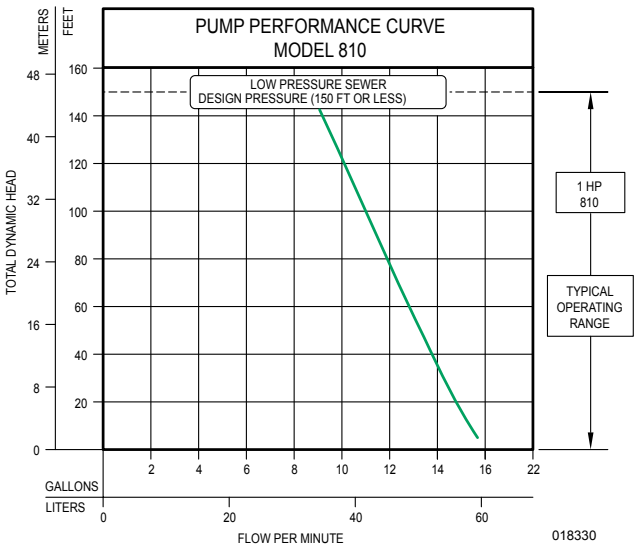
NEW!

E810 PROGRESSING CAVITY GRINDER PUMP

Product may not be exactly as pictured.

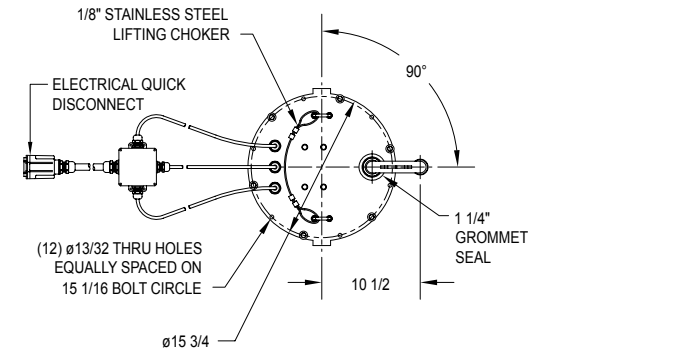
FEATURES:

- Readily Adapts to Existing Progressing Cavity Grinder Pump Systems.
- Quick-disconnect Coupling.
- Model 810 pump is cCSAus listed.
- Finned Class 30 Cast Iron Construction.
- Corrosion Resistant Powder Coated Epoxy Finish.
- Discharge Size - 1¼" NPT.
- 1 HP, 60 Hz, 1725 RPM, 230 Volts/1 Ph.
- 20' Electrical Cords with Quick Disconnect Receptacle Fitting.
- Oil-Filled - Hermetically Sealed Motor with Class B Windings.
- Hardened Stainless Steel Cutter and Disc, Rockwell C55-60.
- Stainless Steel Hydraulic Pump Rotor.
- Pressure Relief Valve. • Check Valve. • Anti-siphon Device.
- Upper and Lower Ball Bearing Construction.
- Carbon/Ceramic mechanical seal.
- Integral Thermal Overload Protection with Automatic Reset.
- Pump Control and High Water Alarm Switch.



SIMPLEX REPLACEMENT GRINDER

810 GRINDER • 1 HP, 1¼" N.P.T.							
Assembly Part Number	*Assembly Weight*	*Pump Part Number*	*Pump Weight*	*Model*	*Volts*	*Ph*	*Amp*
932-0011	138 lbs.	810-0006	88 lbs.	E810	230	1	6.0



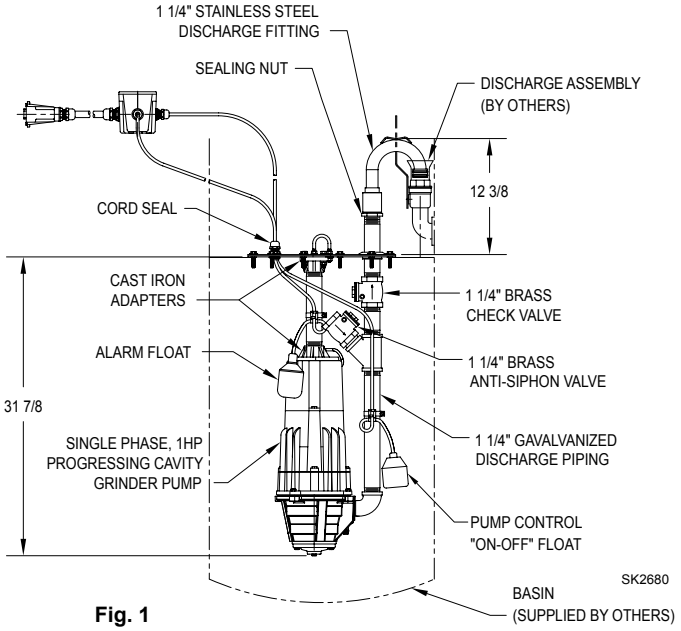


Fig. 1

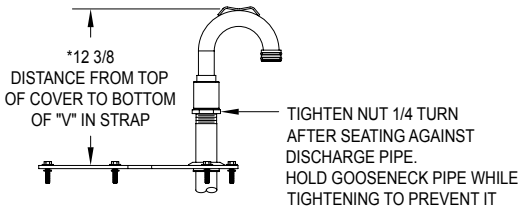


Fig. 2

* DISTANCE TO BE VERIFIED BY LOWERING PUMP ASSEMBLY INTO TANK AND ENSURING THAT THE COVER OF THE PUMP ASSEMBLY SEATS AGAINST TANK OPENING AND THE BALL VALVE HANDLE REMAINS OPERABLE. HEIGHT IS EASILY ADJUSTED UP/DOWN TO ACCOMODATE ANY FIELD VARIANCES.

SK2682

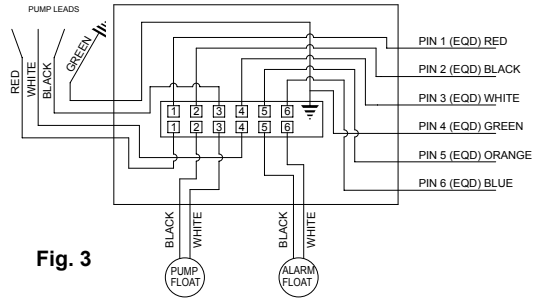


Fig. 3

019291

PREINSTALLATION CHECKLIST

1. Inspect your pump assembly. Occasionally, products are damaged during shipment. If the unit is damaged, contact your wholesaler before using.
2. Carefully read the literature provided to familiarize you with specific details regarding installation and use. These materials should be retained for future reference.
3. Check to be sure your power source is capable of handling the voltage requirements of the motor, as indicated on the pump name plate and literature.
4. Make sure the pump electrical supply circuit is equipped with fuses or circuit breakers of proper capacity. A separate branch circuit is recommended, sized according to the "National Electrical Code" for the current shown on the pump name plate and literature.
5. See CAUTIONS & WARNINGS on FM2458: MODEL 810 & 815 OWNER'S MANUAL.

TYPICAL REPLACEMENT INSTALLATION

1. Electrical wiring and enclosures must be in accordance with the "National Electrical Code" and any other applicable state and electrical requirements.
2. **⚠ WARNING** ELECTRICAL PRECAUTION-Before servicing a pump always shut off the main power breaker - making sure you are wearing insulated protective sole shoes and not standing in water. Under flooded conditions, contact your local electrical company or a qualified licensed electrician for disconnecting electrical service prior to pump removal. Refer to the original installation/service manual for any precautions that need to be obeyed, i.e.: pump may have more than one electrical supply connection.

OLD PUMP REMOVAL:

1. Shut pump power off.
2. Unlock and raise hinged riser lid.
3. Unscrew (2 screws) electrical quick disconnect and separate male and female power plugs.
4. Close quarter turn ball valve on pump discharge pipe.
5. Loosen the captive 5/16" bolts that retain pump assembly cover.
6. Attach lifting cable or rope to stainless steel choker cable located on pump cover.
7. Safely lift pump assembly from basin.

NEW PUMP INSTALLATION:

1. Prepare your Zoeller grinder pump assembly for installation by removing all packing materials including the white nylon ties that are holding the alarm float and pump control float to the suspension pipe and discharge pipe.
2. Adjust gooseneck outlet pipe (see Fig. 2) and tighten compression nut (Distance to be verified by lowering pump assembly into tank and ensuring that the cover of the pump assembly seats against tank opening and the quarter turn ball valve handle remains operable. Height is easily adjusted up or down to accommodate any field variances).
3. Alarm and pump control switches are set at the factory. The pump control switch is set to give a pumping range of 6½". The alarm is set to turn "on" before the inlet. To change the "on"/"off" levels, refer to FM0419; Variable Level Float Switch Installation Instructions.
4. Apply foam gasket to bottom side of pump plate.

NOTE: Float switches must be positioned so that they will be free of any object in the tank and the tank walls. Verifying that the float switches are set properly and will not hang up inside the basin is the responsibility of the installing contractor.

5. Clean off pit where the pump plate sits.
6. Attach lifting cable or rope to the stainless steel choker cable on the pump plate.
7. Lower pump assembly into basin being sure to line up plate positioning ears (located 90 degrees from gooseneck outlet pipe) in basin.
8. Pump assembly will seat in positioning ears and gooseneck outlet will engage discharge assembly (see Fig. 1).
9. Tighten bolts (supplied) and washers (supplied) to plate.
10. Attached quick electrical disconnect plugs and secure screws.
11. Suspend junction box on hooks inside manhole. Mounting junction box is optional.
12. Open quarter turn ball valve by rotating it over gooseneck outlet pipe.

NEW PUMP OPERATION:

1. Turn control panel power on and check panel functionality.
2. Replace control panel if not functioning correctly.
3. Fill basin and allow unit to cycle (on-off). Time the pump-out cycle. The cycle should be at or less than the recorded cycle time.
4. Close the hinged riser lid and lock.

Installation is now complete. See Fig. 3 for wiring diagram.