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

ZOELLER® PUMP COMPANY

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SECTION: 2.25.040
FM2465
0121
Supersedes
0720

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zoellerpumps.com

THE SHARK® Series

932 REPLACEMENT ASSEMBLY FOR PROGRESSING CAVITY GRINDERS

FEATURES:

- Readily adapts to existing progressing cavity grinder pump systems
- Electrical Quick-Disconnect (EQD) coupling, rectangular or round, for mating onto existing system
- Internally mounted Dual Action Y-spliced floats
- cCSAus listed pump
- Finned, cast iron construction
- Corrosion-resistant, powder coated epoxy finish
- Discharge size - 1-1/4" NPT
- 1 and 2 HP, 60 Hz, 1750 RPM
- 230 V 1 Phase (1 & 2 HP), 200 Volt 1 Phase (2HP)
- Oil-filled, hermetically-sealed motor
- Hardened stainless steel cutter and disc, Rockwell C55-60
- Stainless steel hydraulic rotor
- Pressure relief valve
- Brass check valve, 200 psi, wog rated
- Anti-siphon device included
- Upper and lower ball bearing construction
- Carbon/ceramic mechanical seal
- Integral thermal overload protection with automatic reset
- 20' electrical cable length

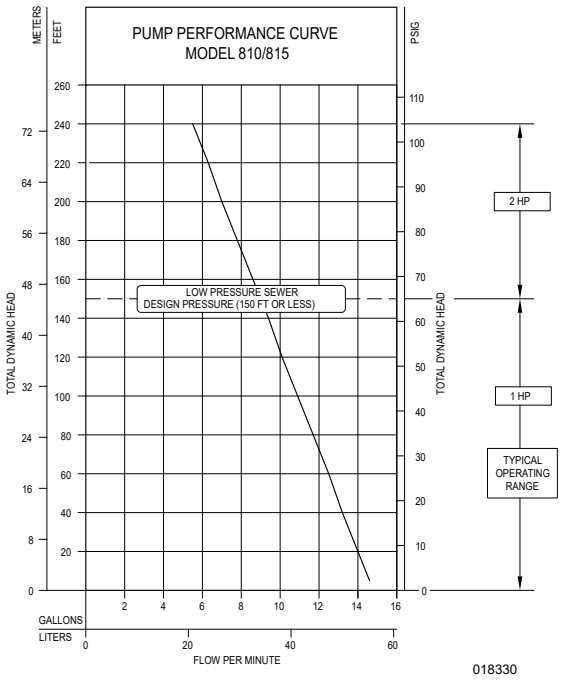


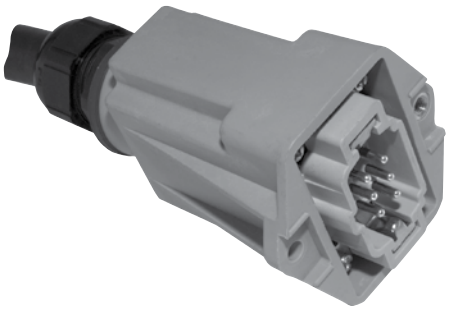
RWD810 Progressing Cavity Grinder Pump with intergral switches (932-0020 shown)

Product may not be exactly as pictured.

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Rectangular EQD



Round EQD

REPLACEMENT GRINDER ASSEMBLIES

810/815 GRINDER - 1 & 2 HP, 1-1/4" N.P.T.						
Assembly Part Number	**Discharge Piping**	**EQD**	**Pump Model**	**Volts**	**Ph**	**Amp**
932-0020	Galvanized	Rectangular	RWD810	230	1	7.0
932-0021	Galvanized	Round	RWD810	230	1	7.0
932-0022	Galvanized	Rectangular	RWD815	230	1	10.5
932-0023	Galvanized	Round	RWD815	230	1	10.5

Note: For 200 V - 1Ph (2 HP only) Consult Factory.

INSTALLATION INSTRUCTIONS

PREINSTALLATION CHECKLIST

1. Inspect your pump assembly. Occasionally, products are damaged during shipment. If the unit is damaged, contact your Representative 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 either 230 or 200 volt, 1 Phase power 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

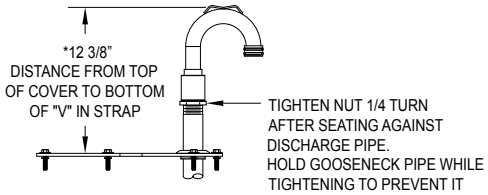
1. Electrical wiring and enclosures must be in accordance with the "National Electrical Code" and any other applicable state and electrical requirements.
2. ⚠ WARNING ELECTRICAL PRECAUTION: Before servicing a pump always shut off the main power breaker, making sure you are wearing insulated protective 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.

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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.

Fig. 1



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

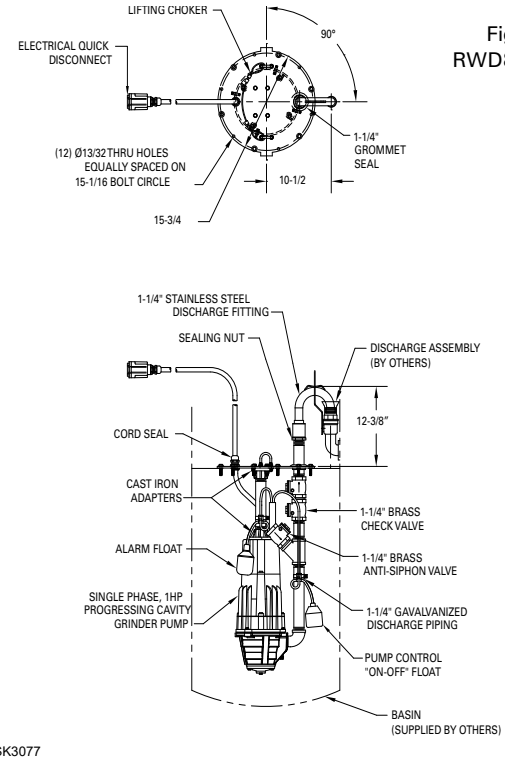
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NEW PUMP INSTALLATION:

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. 1) and tighten compression nut with distance being verified by lowering pump assembly into basin and ensuring that the suspension plate of the pump assembly seats securely on the protruded surface located at the basin 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 6-1/2". 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 basin and its sidewalls. 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 the protruded surface area where the suspension 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. 2).
9. Tighten bolts (supplied) and washers (supplied) to plate.
10. Attached quick electrical disconnect plugs and secure screws, 25 in-lbs.
11. Open quarter turn ball valve by rotating it over gooseneck outlet pipe.

Fig. 2
RWD810



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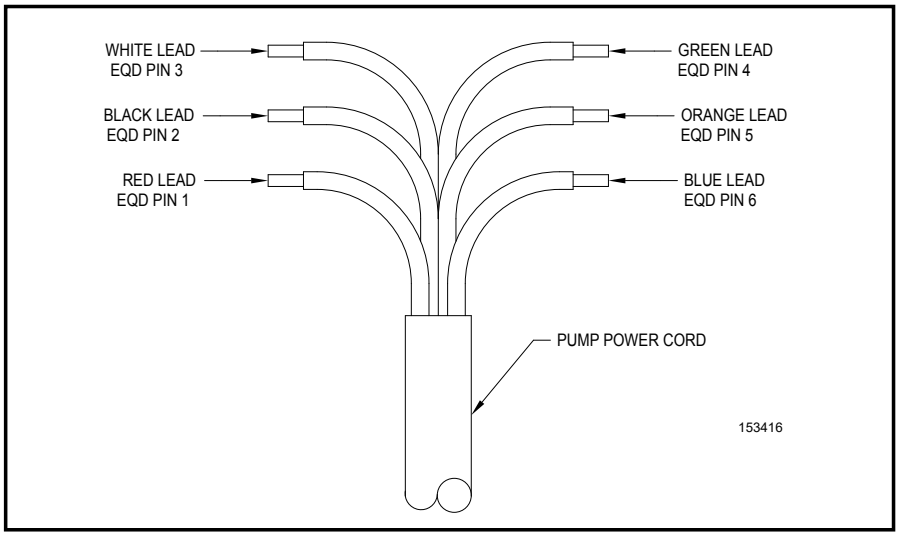
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NEW PUMP OPERATION:

1. Turn control panel power on and check panel functionality.
2. Replace control panel if not functioning correctly. Consult factory.
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.

Fig. 3 - RWD810/815



EQD ADAPTER

Before 2010, progressing cavity systems were sold with a rectangular EQD coupling. More recently, the round EQD has been used. EQD adapter part number 10-3592, pictured below, is used to adapt Zoeller's 932 system with a rectangular EQD to an existing system in the field having a round coupling.



Part No. 10-3592

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