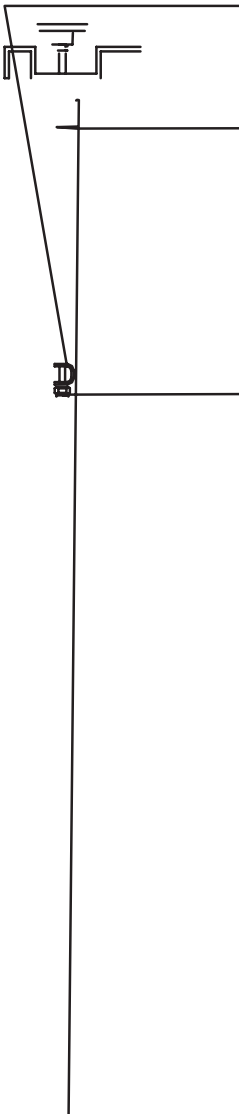


L

B .

B I :

This manual contains important information for the safe use of this product. Read this manual completely and follow the instructions carefully. Reasonable care and safe methods relating to the installation and operation of this product should be practiced. Check local codes and requirements before installation.

DANGE
M
I
. NF A 70/N E C (NEC)
NEC.

DANGE B . , B
. I ( ) / E HA 29
CF 1910.1030

DANGE . D
NF A 70 N E C .
C

DANGE C . . D . G . B

CA B ION - M / 30"
(MG D200) . / 30" / /

CALIF NIA I ION 65 A NING:

⚠ WARNING

C

anti-flotation tie-down kit is used. If basin is fiberglass, inspect basin and seal off any cuts or scratches to prevent fiberglass deterioration.

INFLUENT AND DISCHARGE CONNECTION IN CONNECTION

INFLUENT DISCHARGE:

Step 1: An inlet grommet is the standard supplied influent connection device. Determine point at which

valve sealing flange aligns and connects properly with discharge.

J B :

1: Ensure power source is off or disconnected and push pump power, seal failure/heat sensor, and float cords through cord grips in the junction box and tighten. To prevent corrosion or electrical short, plug any unused holes.

2: Remove junction box cover and make all connections inside junction box to all incoming control panel wires. It is recommended that the customer furnish and install a conduit seal outside the basin to prevent surface water from entering the junction box.

NOTE: F

IMPORTAN :

:

1: Ensure power source is off or disconnected and connect pump power, seal failure/heat sensor, and float cords to panel terminals per the schematic provided. All conduits and cables entering the panel must be sealed off.

For single-phase pumps: Check panel wiring to ensure white, black, and red pump leads are connected according to the schematic and panel wire labels. Single-phase pumps will only run if connected one way.

Three-phase pumps: Interchange any two line leads to the motor inside the panel if the pump rotates in the wrong direction.

E C :

MG200 & MG D200 230 , 1-

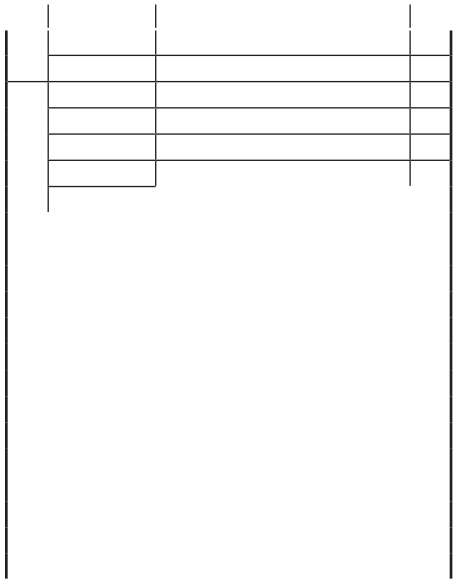
Black	Common Power Line
White	Main Power Line
Green	Ground

2 GL20 1-

Green	Ground
Red	Start Power Line
White	Main Power Line
Black	Common Power Line
Orange	Seal Failure

M L1- 009775 / /A FEFF00090009 BDC -9.053 -1.05 ( )-210.2( ) J

CONDITION	POSSIBLE CAUSE
BELOW LEVEL OF "H-O-A" SWITCH HOUSING, BUT "H-O-A" SWITCH IS IN "HAND" POSITION.	1. Floats are not hanging free in the basin or are covered with grease. Pump the level down with the "H-O-A" switch on "HAND", so that the floats can be observed. Relocate and clean float(s) as necessary. 2. If this is a new installation and original start-up, the floats may be miswired into the control panel. If the on and off floats are reversed, the pump will short cycle on and off and will not pump the level down. 3. Floats or alternator are malfunctioning. Pull the floats out of the basin and hang the "OFF" and "ON" floats from your hand. Turn the "H-O-A" switch to "AUTO". Tilt the "OFF" float so that the large end is above the cord end – nothing should happen. While keeping the "OFF" float tilted, tilt the "ON" float in the same manner – the pump should come on. Suspend the "ON" float again from your hand – the pump should continue to run. Finally, suspend the "OFF" float – the pump should stop running. If this procedure does not cause the pump to operate as described, either replace the float(s) or replace the alternator relay if the system is duplex.
PUMP RUNS.	1. "H-O-A" switch may be in hand position. 2. Lower float may have failed causing the pump to continue operating below the "off" level. 3. Pump may be air locked. 4. Cutters may be clogged.
CIRCUIT BREAKER TRIPS.	1. Short circuit in pump motor. 2. Water may have entered the motor housing through either worn out mechanical seals or O-rings. 3. Contactor failure for three phase pumps. Check pump contactor for burnt contacts. 4. Start component(s) failure for single phase pumps. Check start capacitor and start relay for failure. 5. Single phase pump may be miss wired to panel. The white, black, and red pump power leads must be connected correctly to panel.
MOTOR HUMS, BUT WILL NOT START.	1. Cutters may be clogged. It is possible that the pump stalled during operation, and starting and stopping cleared the cutters. If resetting the overloads solves this problem, return the "H-O-A" switch to "AUTO" and observe operation. 2. Pump motor may have failed. 3. Start component(s) failure for single phase pumps. Check start capacitor and start relay for failure. 4. Single phase pump may be miss wired to panel. The white, black, and red pump power leads must be connected correctly to panel.



STANDARD LIMITED WARRANTY

Pentair Myers® warrants its products against defects in material and workmanship for a period of 12 months from the date of shipment from Pentair Myers or 18 months from the manufacturing date, whichever occurs first – provided that such products are used in compliance with the requirements of the Pentair Myers catalog and technical manuals for use in pumping raw sewage, municipal wastewater or similar, abrasive-free, noncorrosive liquids.

During the warranty period and subject to the conditions set forth, Pentair Myers, at its discretion, will repair or

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Warranty Rev. 12/13