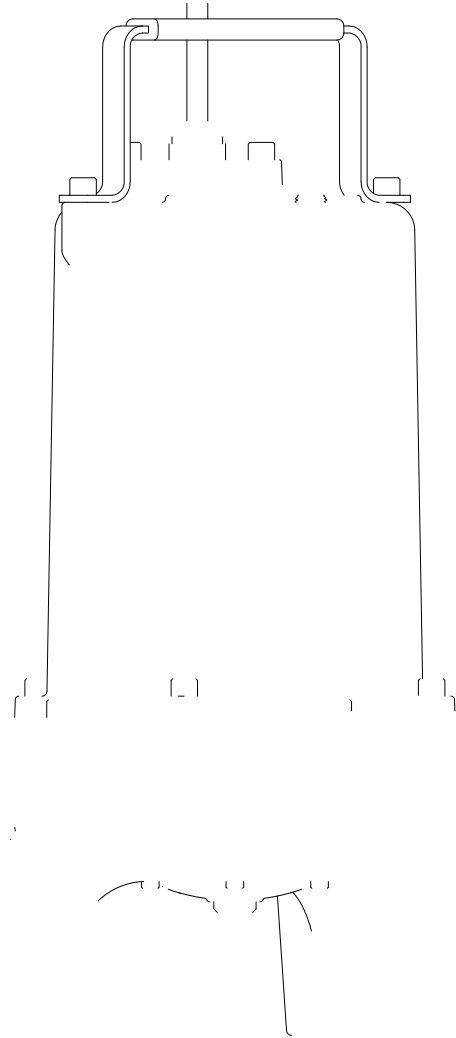




MYERS®



VR1 SERIES GRINDER PUMPS

INSTALLATION AND SERVICE MANUAL

1 HP G i d e P m f R e i d e i a l A l i c a i .

NOTE! To the installer: Please make sure you provide this manual to the owner of the equipment or to the responsible party who maintains the system.

AGE

The VR1 Series is a submersible wastewater grinder pump designed specifically for individual residential applications. The pumps are to be used for domestic sewage only and are not to be used for pumping commercial or industrial sewage such as from motels, schools, apartments, factories, etc. **HI P MP I NO FO E IN HA A DO LOCA ION !**

IN PEC ING P MP

Before making any piping or electrical connections, check the pump for shipping damage or cracks. Insert allen key into cutter retaining bolt and turn clockwise to ensure cutters and impellers do not rub. Do not turn cutter with ngers.

PO E PPL

The VR1 Series grinder pump should be connected to a 115 or 230 volt, single-phase, 60 Hz power source. The pump will draw approximately 7.4, 5.3 amperes at minimum ow and 12.5, 7.6 full load amperes. The pump must be connected to a grounded power socket. **DO NO** cut off the ground pin from the power cord plug.

PO E CO D

A 20 foot power cord is attached to the grinder pump via two insulated quick-disconnect terminals and a ground terminal. To replace a cord, begin by slightly loosening cord nut in the cord cap plate. Remove cord cap plate from the motor housing and carefully pull the power leads up out of the motor housing and disconnect them from the motor leads. Disconnect the ground wire from the cap plate and continue to completely loosen the cord nut from the cap.

To install new cord, feed terminals through cord cap plate and reconnect power terminals. Reconnect ground terminal to the bottom side of the cap plate. Carefully feed wires back into the motor housing and fasten the cord cap plate to the motor housing. Lastly, tighten the cord nut into the cap plate. Tighten rm, do not overtighten.

The power cord should be replaced if it has been damaged in any way or the cord jacket has become brittle.

MO O PE

The VR1 Series grinder pump contains a 3/4 frame, 1 hp, single-phase, 60 Hz, 3450 rpm, capacitor start, capacitor run motor with Class F insulation and built-in, on-winding overload protection. Motor has upper and lower ball bearings and is oil-cooled and lubricated.

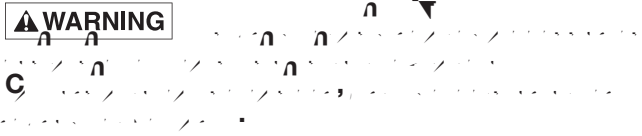
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with this pump. When wiring this pump follow all local electrical, safety codes and ordinances as well as most recent National Electric Code (NEC-ANSI/NFPA).

The VR1 Series grinder pumps have a GROUND WIRE that is connected to a screw in the metal motor housing. This wire goes to the receptacle or control box which must be connected to a good outside GROUND such as a metal water pipe or GROUND STAKE driven at least 8 feet into the ground.

CALIFORNIA PROPOSITION 65 WARNING:



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MYERS V AND VR SERIES LIMITED WARRANTY

Pentair Myers® warrants its V and VR series grinders against defects in material and workmanship for a period of 24 months from the manufacturing date, or 36 months from the manufacturing date with completion of a start-up report within 30 days of installation. Product must be properly installed, serviced and operated in compliance with the manufacturer's instruction manuals.

During the warranty period and subject to the conditions set forth, Pentair Myers, at its discretion, will repair or replace to the original user, the parts that prove defective in materials and workmanship. Pentair Myers reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for prior sold and/or shipped units.

Start-up reports and electrical schematics may be required to support warranty claims. Submit at the time of start-up through the Pentair Myers website: <http://forms.pentairliterature.com/startupform/startupform.asp?type=m>. All seal fail and heat sensing devices must be connected, functional and monitored or this warranty will be void. Pentair Myers will cover only the lower seal and labor thereof for all dual seal pumps. Under no circumstance will Pentair Myers be responsible for the cost of field labor, travel expenses, rented equipment, removal/reinstallation costs or freight expenses to and from the factory or an authorized Pentair Myers service facility.

This limited warranty will not apply:

- a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with the printed instructions provided;
- b) To failures resulting from abuse, accident or negligence;
- c) To failures resulting from excessive sand, lime, cement, gravel or other abrasive materials
- d) To failures caused by scale or corrosion build-up due to excessive hydrocarbons or chemical content
- e) To normal maintenance services and parts used in connection with such service;
- f)