



USAGE

The MRG20 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 motels, schools, apartments, factories, etc. **THIS PUMP IS NOT FOR USE IN HAZARDOUS LOCATIONS!**

DANGER: Risk of Fire or Explosion. Do not smoke or use open flame in or around him. MRG20 items are not intended for use in hazardous locations per NFPA 70: National Electrical Code. Do not pump flammable liquid.

DANGER: Cutting Risk. Risk of injury or amputation. Do not connect all power source prior to wiring pump or grinding mechanism. Pump may start without warning. Grinding mechanism is extremely sharp. Use caution when handling grinder mechanism.

DO NOT modify the cord strain relief. When wiring to a system control, connect the pump ground lead to the system ground.

DO NOT run the pump dry. Dry running can overheat the pump (causing burns to anyone handling it) and will void the warranty.

The pump normally runs hot. To avoid burns, allow it to cool for 30 minutes after shutdown before handling it.

Submersible grinder pumps are not approved for use in swimming pools, recreational water installations, decorative fountains or any installation where human contact with the pumped fluid is common. This specialized pump is designed to incorporate a grinding mechanism to remove wastewater particulate and pump the resulting slurry from a residential structure to a collection system.

Examine all lifting devices, rope or chain for damage before and after each lift.

DO NOT exceed manufacturer's recommendation for maximum performance, as this could cause the motor to overheat.

Secure the pump in its operating position so it cannot tip over, fall or slide.

DO NOT pump without safety devices in place.

Basin must be vented in accordance with the local plumbing codes.

CALIFORNIA PROPOSITION 65 WARNING:

⚠ WARNING This product and related accessories contain chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

PUMP OPERATIONS

To reduce the risk of electrical shock, install only on a GFCI protected circuit. See pump nameplate for electrical ratings.

To start the pump, perform the following steps in order:

1. When grinder pump is single phase, no rotation check is necessary. Correct rotation is counter-clockwise.
2. Run water into sump until motor is covered.
3. Open gate valve in discharge line.
4. Turn pump on. If pump runs and sump liquid does not

TROUBLESHOOTING GUIDE

P mp doe no r n or h m.
See A, B, C, D, E or F.

P mp r n b doe no
deli er a er.
See G, H, I, J, K or L.

P mp r n and p mp o mp
b doe no op.
See M.

P mp r n b deli er onl
mall amo n of a er.
See I, J, K, L or N.

F e blo or circ i breaker
rip hen p mp ar .
See K, L, N, O or P.

Mo or r n for hor ime
hen op . Then af er
hor period ar again.
Indica e ripping o erload
ca ed b mp om ho n.
See K, L, N or P.

For an o her mp om
con ac a M er a hori ed
er ice facili .

- A.** Line circuit breaker may be off; or fuse, if used, may be blown or loose.
- B.** Water level in sump may be too low. Run in more water.
- C.** Pump cord plug may not be making contact in receptacle.
- D.** If pump is using the series cord plug, the two plugs may not be plugged tight together.
- E.** Float may be stuck. Be sure float operates freely in basin. Check tether length of switch.
- F.** If all symptoms check OK, motor winding may be open; take to service center for repair.
- G.** Check valve may be installed backward. Arrow on valve points in direction of flow.
- H.** Discharge shut-off valve, if used, may be closed.
- I.** Pump may be air locked. Start and stop several times by plugging and unplugging cord. Check vent hole on pump case for plugging.

- J.** Pump head may be too high. Horizontal distance does not affect pumping, except loss due to friction.
- K.** Inlet holes in pump base may be clogged. Remove pump and clean out openings.
- L.** Impeller or volute openings may be plugged or partially plugged. Remove pump and clean. Check tether length of switch.
- M.** Float is stuck in up position. Be sure float operates freely in basin.
- N.** Pump impeller may be partially clogged causing motor to run slow, resulting in motor overload.
- O.** Fuse size or circuit breaker is too small. Must be 20 amps.
- P.** Defective motor stator. Return to Myers service center.

THIS PAGE INTENTIONALLY LEFT BLANK

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 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>. Warranty is effective only if Pentair Myers authorized control panels are used. All seal fail and heat sensing devices must be hooked up, 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 ~~to~~,



MYERS®