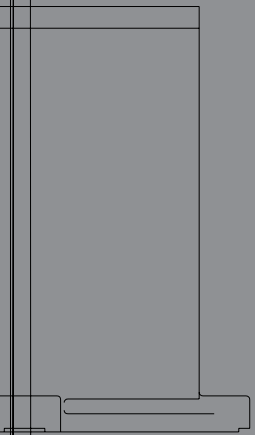
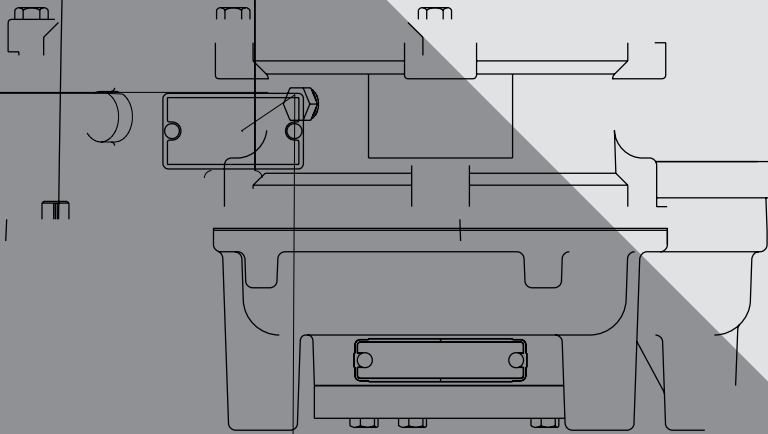
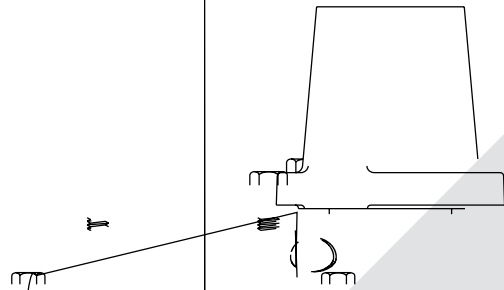


MYER



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Submersible grinder pumps are not approved for use in swimming pools, recreational water installations, decorative fountains or

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.

ON THREE PHASE PUMPS ONLY "MOTOR PROTECTION" MUST BE PROVIDED BY THE INSTALLER. ALL THREE PHASE PUMPS MUST BE INSTALLED WITH MAGNETIC STARTERS HAVING THREE LEG OVERLOAD PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. FOR INSTALLATIONS WITH MORE THAN ONE PUMP, EACH PUMP MOTOR MUST HAVE SEPARATE OVERLOAD PROTECTION.

PUMPS WITH SEAL LEAK DETECTORS MUST BE CONNECTED TO THE PROPER CONTROL CIRCUITRY.

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

do not exceed manufacturers 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 use pump without safety devices in place.

For hazardous locations, use pumps that are listed and approved for such locations.

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

IMPORTANT: Pentair Myers is not responsible for losses, injury or death resulting from failure to observe these safety precautions, misuse or abuse of pumps or equipment.

All Myers control panels used on these grinders are UL listed and

approved for use in hazardous locations.

This pump is intended to grind and pump all normal sewage for home or commercial use.

Pump is of heavy duty construction and submersible type for long life when pumping ground sewage. Motor is capacitor start, capacitor run for single phase. Capacitors and start relay are mounted in electrical control box.

Pump has two oil-filled chambers: (1) the motor and ball bearings and (2) the seal chamber - for long life and best heat transfer.

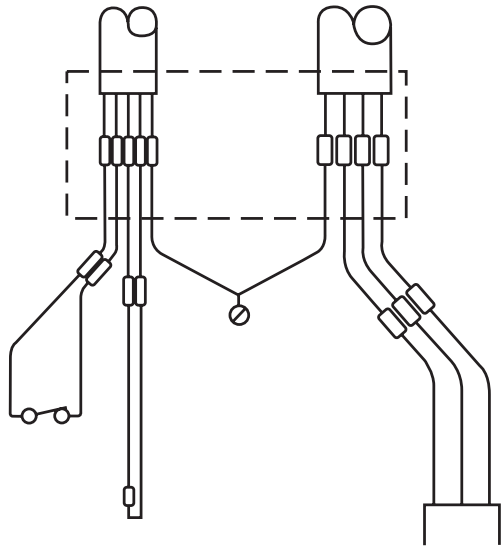
The lower seal above the pump impeller acts as a buffer for upper seal that holds oil in the motor chamber. If lower seal leaks for any reason, water enters the seal chamber. If motor has the seal leak detector, the electrode will contact the water and close the circuit to the red seal light in the control panel indicating motor must be serviced before upper seal fails.

A heat sensor is attached to stator winding to sense any abnormal heat. If motor temperature rises for an extended period, the heat sensor will close the circuit to the red seal light in the control panel indicating motor must be serviced before upper seal fails.

Notes:

- 1)
- 2)
- 3)
- 4) -----

<p>Pump runs but does not pump liquid from basin.</p>	<ol style="list-style-type: none"> 1. Pump impeller may be air locked, this occasionally occurs on a new installation. Remove pump and clean volute case weep hole and reinstall pump allowing 2 to 3 minutes for air to weep from pump. 2. Remove pump and guides from wet well, and test in 5 gallon bucket after checking weep hole again. If pump still does not pump, disassemble check valve and check to insure that check valve flapper has not adhered to sealing face. This condition results from assembled basin units setting in the sun before installation. NOTE: Check valve bolts should have Loctite 242 or equivalent applied before reassembly of check valves. 3. If pump will pump water from bucket, try in wet well again. If it still will not pump, the following problems may exist: <ol style="list-style-type: none"> a) Ball Valve – Gate Valve may be in off position. b) Discharge piping obstructed c) Valve at street or in main line may be off – redundant check valve in backwards. d) Tap at force main obstructed – hole not drilled through enough – pipes pushed into tee too far. 4. If pump has been installed for some time and does not pump, it may be clogged at grinder inlet. 5. Discharge head may be too high. Check elevation. Maximum pump head at zero flow is 105 feet. 6. If above checks do not locate trouble, motor rotor may be loose on shaft which allows motor to run but will not turn impeller or only at low RPM.
<p>Red light comes on at control box.</p>	<ol style="list-style-type: none"> 1. This indicates some water has leaked past the lower seal and has entered the seal chamber and made contact with the electrode probe. Pump must be removed from basin immediately for replacement. <small>1.9 (o)-21.6 (n)8 43.6 (h)-23.7 lae1 (n)-23.r (l)-20.9 (l n)-24.1 (o)-13</small>





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