



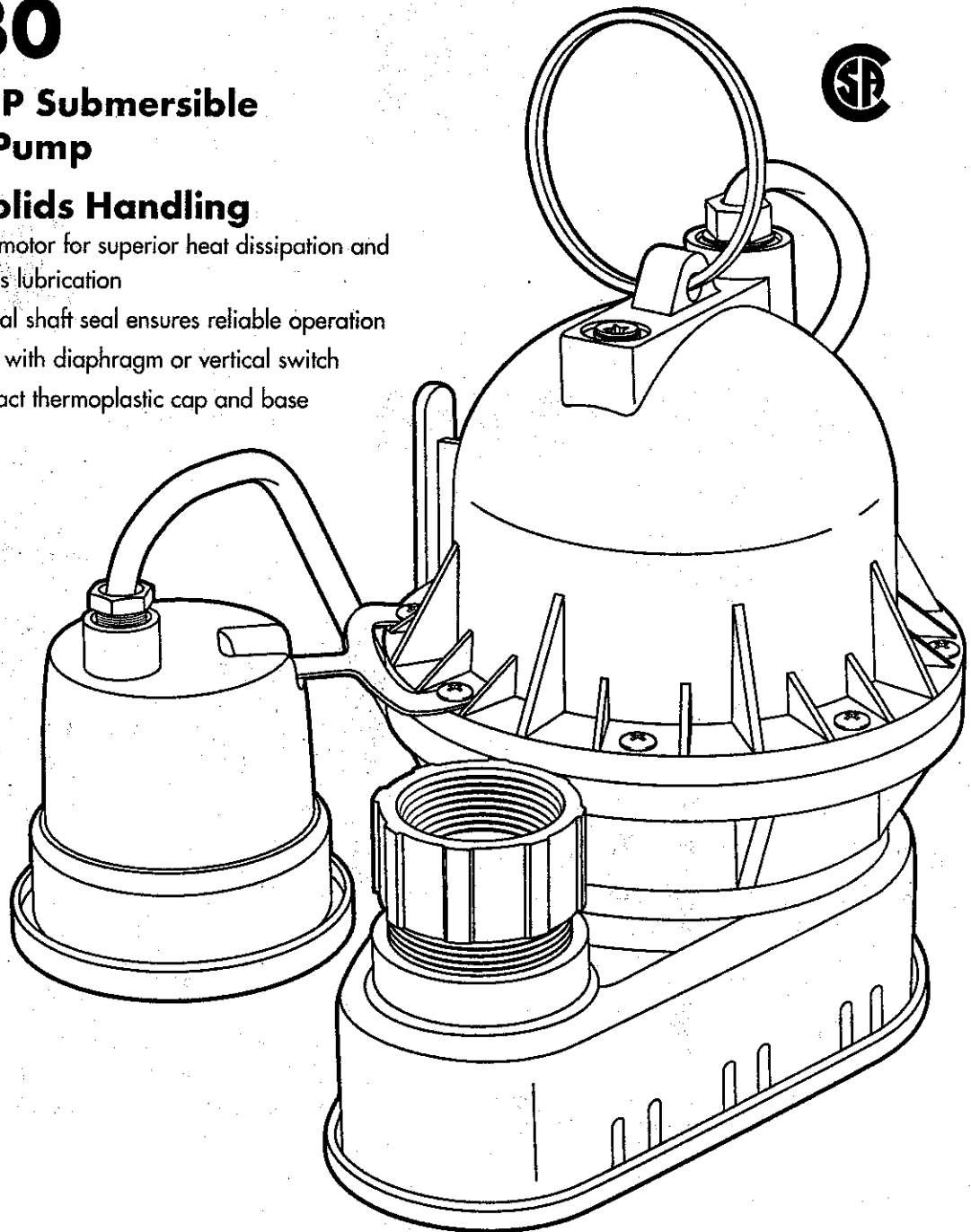
# HYDROMATIC®

## X-30

**3/10 HP Submersible  
Sump Pump**

**1/4" Solids Handling**

- Oil-filled motor for superior heat dissipation and continuous lubrication
- Mechanical shaft seal ensures reliable operation
- Available with diaphragm or vertical switch
- High-impact thermoplastic cap and base



**Pentair  
Water™**

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

## General Information

Thank you for purchasing your Pentair pump. To help ensure years of trouble-free operation, please read the following manual carefully.

### Before operation

Read the following instructions carefully. Reasonable care and safe methods should be practiced. Check local codes and requirements before installation.

### Attention

This manual contains important information for the safe use of this product. Read this manual completely before using this product and refer to it often for continued safe product use.

**DO NOT THROW AWAY OR LOSE THIS MANUAL.**

### Warning

Before handling these pumps and controls, always disconnect the power first. Do not smoke or use sparkable electrical devices or flames in a septic (gaseous) or possible septic sump.

## Pump Troubleshooting

### Pump does not run or hum

1. Line circuit breaker may be off, or fuse may be blown or loose.
2. Water level in sump may be too low. Add more water. Turn-on level is as indicated in installation drawing.
3. Pump cord may not be making contact in receptacle.
4. Float may be stuck. It should operate freely in basin.
5. If all systems check OK, motor winding may be open.

### Pump runs but does not deliver water

1. Check valve may be installed backward. Arrow on valve should point in direction of flow.
2. Discharge shut-off valve (if used) may be closed.
3. Pump may be air locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in discharge.
4. Impeller or volute openings may be fully or partially clogged. Remove pump and clean.
5. Inlet holes in pump base may be clogged. Remove pump and clean the openings.
6. Pump head may be too high. Pump can't deliver water over 22 feet vertical. Horizontal distance does not affect pumping, except loss due to friction.

### Pump runs and pumps out sump but does not stop

Float is stuck in up position. Be sure float operates freely in basin.

### Pump runs but delivers only a small amount of water

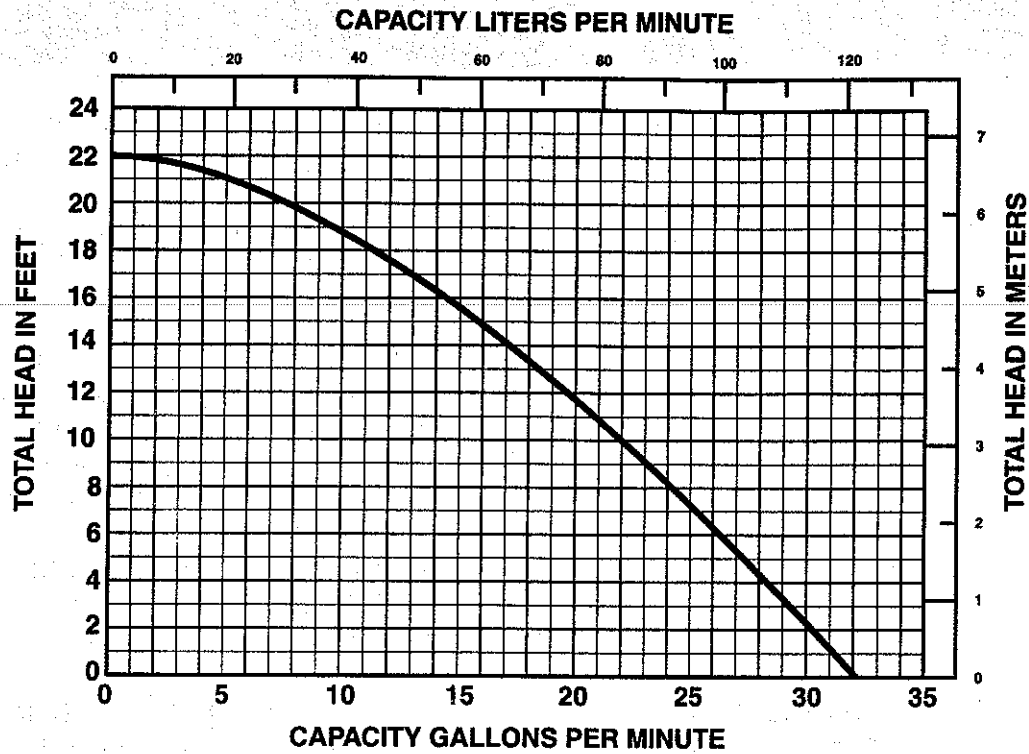
1. Pump may be air locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in discharge.
2. Pump head may be too high. Pump can't deliver water over 22 feet vertical. Horizontal distance does not affect pumping except loss due to friction.
3. Inlet holes in pump base may be clogged. Remove pump and clean the openings.
4. Impeller or volute openings may be fully or partially clogged. Remove pump and clean.
5. Pump impeller may be partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean.

### Fuse blows or circuit breaker trips when pump starts

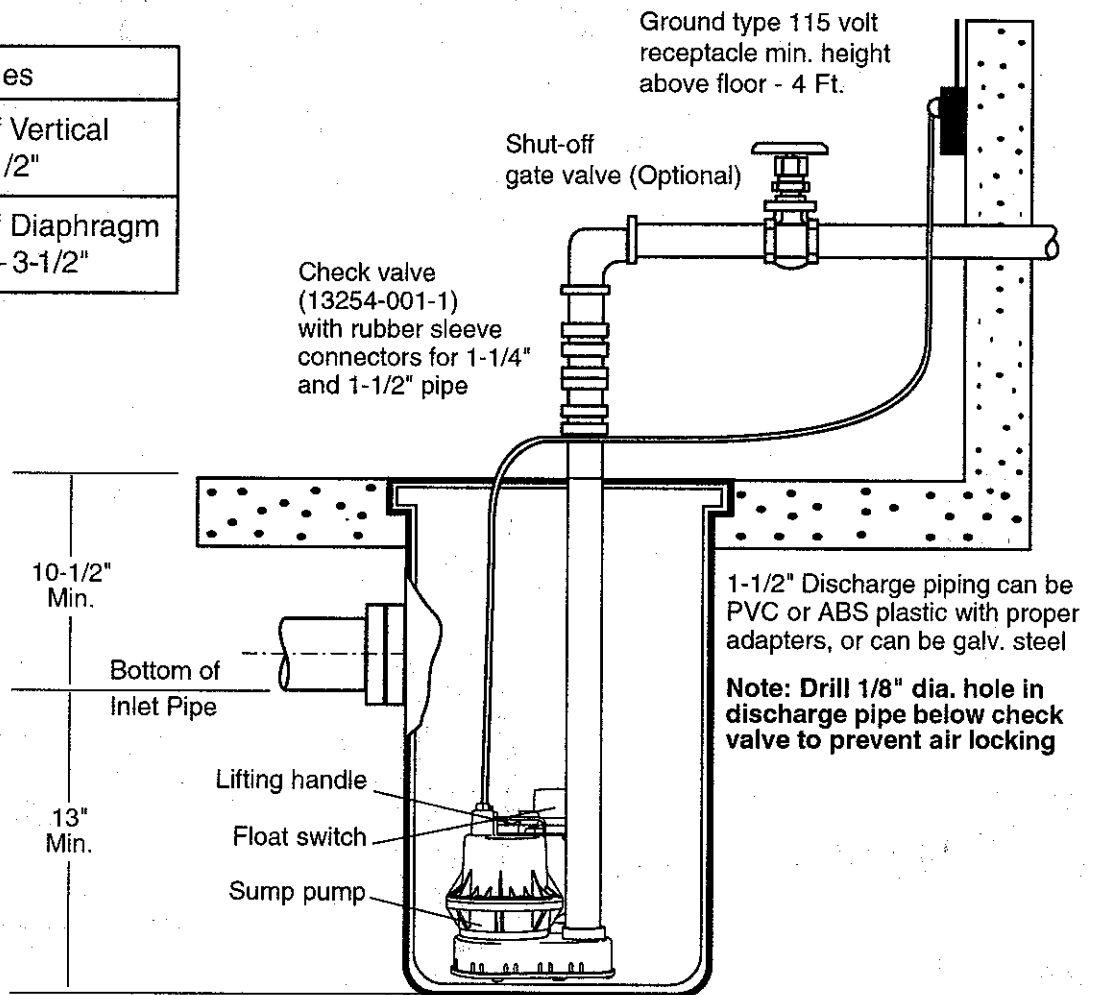
1. Inlet holes in pump base may be clogged. Remove pump and clean the openings.
2. Pump impeller may be partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean.
3. Motor stator may be defective.
4. Fuse size or circuit breaker may be too small. Must be 15 amps.
5. Impeller or volute openings may be wholly or partially clogged. Remove pump and clean.

### Motor runs for a short time, then stops

1. Inlet holes in pump base may be clogged. Remove pump and clean the openings.
2. Impeller or volute openings may be wholly or partially clogged. Remove pump and clean.
3. Motor stator may be defective.
4. Pump impeller may be partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean.



<b>Switches</b>
On/Off Vertical 7"-3-1/2"
On/Off Diaphragm 8-1/2"-3-1/2"



Diaphragm and Vertical fits in 12" dia. plastic, fiberglass or concrete basins.

## WARRANTY

Pentair Water warrants to the original purchaser of each Pentair Water product(s) that any part thereof which proves to be defective in material or workmanship within one year from date of installation or 18 months from manufacture date, whichever comes first, will be replaced at no charge with a new or remanufactured part, F.O.B. factory. Purchaser shall assume all responsibility and expense for removal, reinstallation and freight. Any item(s) designated as manufactured by others shall be covered only by the express warranty of the manufacturer thereof. This warranty does not apply to damage resulting from accident, alteration, design misuse or abuse.

If the material furnished to the Buyer shall fail to conform to this contract or to any of the terms of this written warranty, Pentair Water shall replace such nonconforming material at the original point of delivery and shall furnish instruction for its disposition. Any transportation charges involved in such disposition shall be for the Buyer's account. The Buyer's exclusive and sole remedy on account or in respect of the furnishing of material that does not conform to this contract, or to this written warranty, shall be to secure replacement thereof as aforesaid. Pentair Water shall not in any event be liable for the cost of any labor expended on any such material or for any incidental or consequential damages to anyone by reason of the fact that such material does not conform to this contract or to this written warranty.

ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE SAME EXTENT AS THE EXPRESS WARRANTY CONTAINED HEREIN. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

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PUMP MUST BE REPAIRED BY AUTHORIZED PENTAIR WATER PUMP REPAIR CENTER OR WARRANTY WILL BE VOID. IF REPAIR CENTER IS NOT AVAILABLE, RETURN PUMP TO PLACE OF PURCHASE.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



**HYDROMATIC**

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