

NTAIR YEARS

SUBMERSIBLE SUMP PUMPS

**INSTALLATION AND
OPERATION MANUAL**


pentair.com


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INTRODUCTION

SAFETY INSTRUCTIONS

SAFETY SYMBOLS

 This is the safety alert symbol. When you see this symbol on your pump or in this manual, look for one of the following signal words and be alert to the potential for personal injury:

 **DANGER** warns about hazards that will cause serious personal injury, death or major property damage if ignored.

 **WARNING**

SPECIFICATIONS

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Power supply required 115V, 60 HZ.
Liquid Temp. Range 32°F to 130°F (0°-54°C)
Individual Branch MDC33 Series 15 Amps
Circuit Required: MDC50 Series 20 Amps
Discharge Adapter 1-1/2" NPT

PERFORMANCE

GPM (LPM) AT TOTAL FEET (M)						
MODEL	5 (1.5M)	10 (3)	15 (4.6)	20 (6.1)	25 (7.6)	NO FLOW AT HEIGHT SHOWN BELOW
CAPACITY GALLONS (LITERS)/MINUTE						

INSTALLATION

1. Install the pump in a sump pit with a minimum diameter of 10" (254 mm) for models equipped with vertical switches, 12" (305 mm) for diaphragm float switch models and 14" (356 mm) for tethered float switch models. The sump depth should be 15" minimum (381mm). Construct the sump pit of tile, concrete, steel or plastic. Check the local codes for approved materials.
2. When installing the vertical switch, the rod stop (Ref. No. 1F, Repair Parts) must not be pushed up farther than the bottom nib on the float rod. Pushing it any farther up the rod will cause the switch to hang up on the pump discharge and
3. The pump should not be installed on clay, earth or sand surfaces. Clean the sump pit of small stones and gravel which could clog the pump.
4. Install the pump in the pit so that the switch mechanism has
5. Install the discharge plumbing. When using rigid pipe, use plastic pipe. Wrap the threads with PTFE tape. Screw the pipe into the pump hand tight +1 – 1-1/2 turns.

NOTICE: Do not use ordinary pipe joint compound on plastic pipe. Pipe joint compound can attack plastics and damage the pump.

⚠ CAUTION RISK OF FLOODING. If a flexible discharge hose is used, make sure the pump is secure in the sump to prevent movement. Failure to secure the pump may allow pump movement, switch interference and prevent the

6. To reduce motor noise and vibrations, a short length of rubber hose (e.g. radiator hose) can be connected into the

OPERATION / MAINTENANCE

⚠ WARNING **RISK OF ELECTRICAL SHOCK.** Can burn or cause death. Do not handle a pump or pump motor with wet hands or

Before attempting to check why unit has stopped operating, disconnect power from unit.

⚠ WARNING **RISK OF FIRE AND EXPLOSION.** Can cause severe injury, property damage or death. Do not use in explosive atmospheres. Pump water only with this pump.

1. The shaft seal depends on water for lubrication and cooling. Do not operate the pump unless it is submerged in water as the seal may be damaged if allowed to run dry.
2. The motor is equipped with an automatic reset thermal protector. If the temperature in the motor should rise unduly, the switch will cut off all power before damage can be done to the motor. When the motor has cooled sufficiently, the switch will reset automatically and restart the motor. If the protector trips repeatedly, the pump should be removed and checked as to cause of difficulty. Low voltage, long extension cords, clogged impeller, very low head or lift, etc.8 B-ge f peoeau , l3dry.

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WARRANTY

LIMITED WARRANTY

Myers® warrants to the original consumer purchaser ("Purchaser" or "You") of the products listed below, that they will be free from defects in material and workmanship for the Warranty Period shown below.

PRODUCT	WARRANTY PERIOD WHICHEVER OCCURS FIRST:
pumps and related accessories	
Sump/Sewage/Effluent Products	

