



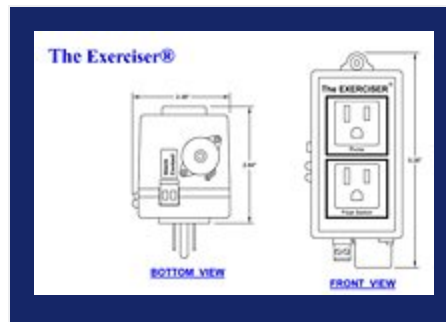
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## ITEM # SPEX-1, SUMP AND SEWAGE PUMP EXERCISER® FOR PIGGY-BACK FLOAT OPERATED PUMPS

The Exerciser® reads the state of the Float Switch and turns the pump ON when the Float Switch closes, and turns the pump OFF when the Float Switch opens. If the pump has not run for 7 days, The Exerciser® will automatically exercise the pump for 3 seconds. The 7 day exercise time delay is reset each time the pump is called to run by the Float Switch.

The Exerciser® also detects if a foreign object is keeping the pump from turning freely by monitoring both the motor inrush current and the motor

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### Specifications

Supply Voltage	115 VAC ± 10 %
Supply Phase	Single Phase
Supply Frequency	50/60 Hz
Maximum Power Consumption	3.8 V·A
<b>Pump Output Rating<sup>1</sup></b>	1/2 hp

<b>Alarm Contact Rating<sup>2</sup></b>	6 A
<b>Alarm Buzzer Rating<sup>3</sup></b>	90 dB
Float Switch Input Voltage	2.0 VDC $\pm$ 10 %
Operating Temperature	+10 to +32 °C
Storage Temperature	-45 to 85 °C
Enclosure Material	Black Plastic

## Features

- Exercises Sump and Sewage Pumps for:  
Basements  
Elevator Sump Areas  
Truck Loading Docks  
Dry Pit Sump Areas
- Automatically operates Pump for 3 seconds every 7 days.
- Provides Float Switch Input for On/Off level control of Pump.
- Provides Power On and Pump Run LED indication.
- Detects when a foreign object keeps the Pump from turning freely, turns the Pump off, and activates the Fault Alarm.
- Provides Audible Alarm with flashing LED indication as well as Alarm Contact for connection to building Alarm System.
- Test/Reset Push-button to test Pump operation or to reset Alarm.
- Designed for 115 V Pumps up to and including 1/2 HP.

## General Specification

The Exerciser® has been designed to regularly energize Sump and Sewage Pumps rated 115 VAC, 1/2 HP, that may go for extended periods of time without being run. By periodically exercising sump pumps that may otherwise sit for an extended period of time, The Exerciser® keeps your sump and/or sewage pump ready to go.

The Exerciser® (SPEX-1) works with any piggy-back float operated sump or sewage pumps by energizing the pump for approximately 3 seconds every 7 days. Simply disconnect the piggy-back float from the pump, and plug the pump and the piggy-back float switch into the SPEX-1, then plug the SPEX-1 into the wall outlet.

The Exerciser® contains power-on, pump run, and pump fault indication; as well as an alarm contact for connection to a building alarm system. The alarm for The Exerciser® consists of an audible piezo horn, an alarm contact, and a combination push-to-test button for silencing the alarm and testing the unit. The Exerciser® verifies that the pump has started via the pump current drawn, and will give a fault indication if the

pump fails to start.

The Exerciser® has been designed to provide the homeowner or business peace of mind by ensuring their sump or sewage pump will run when it is called to do so, and to give an alarm when the pump fails to run. The Exerciser® has been designed for applications including home sumps, basement ejectors, elevator sumps, loading docks, and dry pit sump applications.

<sup>1</sup> @ 115 VAC

<sup>2</sup> @ 120 VAC

<sup>3</sup> @ 30 cm