

Pressure Start Control Box



StartBox – On Demand Controls

The Pressure Start Control Box is a pump in response to system demand, without the need for a signal from an external device like an irrigation controller.

Any drop in the line pressure is detected by a pressure switch which activates the pump. When the system pressure rebuilds and is high enough to cut out the pressure switch, a flow switch takes over monitoring the system. If flow is present, the pump will continue to run. When the flow stops, a time delay is activated to reduce short-cycling of the pump. After the delay times out, the pump shuts down.

If a line leak drops the pressure low enough, the pump will come on for the amount of time set on the time delay; and then shut off. To ensure the pump doesn't short-cycle, the time delay is set to approximately 1 minute.



Did You Know?

The Pressure Start Control Box is also available with the Munro Complete PRO II. Contact us for more information on the Complete PRO II with Pressure Start StartBox.

CONSTRUCTION

- UL-50 Type 3R listed enclosure – available in stainless steel or powder coated*
- UL listed components
- Quick-connect terminals

FEATURES AND BENEFITS

- Start and stop up to a 2HP pump with the Pressure Start Control Box
- Connect the pressure and flow switch to any pump discharge and the Pressure Start Control Box will turn the pump on and off
- Does not require a pressure tank
- Low 24 volts to external switches

OPTIONS

- Low pressure and dead-head protection
- Pressure Start Control Box for larger HP motors available
- Higher pressure switches available
- Choose from 110 volt model or 220 volt model
- Pump and fittings not included
- Valve available to maintain a constant 50 psi downstream with variable system flows between 10-50 GPM

NOTE: Water tight system is required. A leak in the system will cycle the pump every minute.

Specifications

Ship Weight	UL-50 Type 3R	Pressure Range	1" Flow Switch	Line Voltage	Pump HP Range	Safe 24v Output	Model Number
20lbs	12Wx12Tx6D	20-90lb	1.25"-1.5"-2" pipe	110V	3/4-2	✓	MPSR110AYF
20lbs	12Wx12Tx6D	20-90lb	1.25"-1.5"-2" pipe	220V	3/4-2	✓	MPSR220AYF

*For stainless steel enclosure, add "S" to end of model number.

