

SmartRack^{Pat. Pend.} System

The **SmartRack^{Pat. Pend.}** pump control system is designed to optimize the filling of barrels used for storing and aging spirits and wines.

The operation of filling barrels with relatively high flow capacity liquid pumps creates a high potential for overfilling the barrels and this causing spillage and loss of product. This spillage also creates a potential for spoilage organisms, especially when working with wines. The **SmartRack^{Pat. Pend.}** System is essentially a pump control system with remote start/stop capabilities.

An additional advantage for using the **SmartRack^{Pat. Pend.}** Control System is to allow the cellar technicians to fill more barrels in a short time thus saving valuable manpower that can be utilized more efficiently elsewhere.

Due to the fact that the majority of winery, brewery & distillery equipment operates on three phase power, the control system is designed to operate on three phase electrical power as well as single phase power.

A major feature of the **SmartRack^{Pat. Pend.}** System is the special solid state sensor that senses the presence of the pumped liquid and halts the pump operation at a precise pre-calibrated level in the barrel prior to overfilling. The only requirement is that the operator maintains or holds the sensor tube vertically at the desired filling position.



- Optimize Wine & Spirits Barrel Filling
- Automatic Level Sensing & Shutoff
- Programmable Microprocessor for Infinite Calibrations
- 25 feet of Power Cable
- Remote Control of Pump Operation
- Operates on Single or Three Phase Power
- Handheld Pushbutton Start/Stop Station
- Integral Error Testing

Applications

- ✓ Wine Barrel filling
- ✓ Spirits Barrel filling
- ✓ Remote Control of Wine & Spirits Movements

Specifications

Operating Voltage	(1) 120 VAC, Single Phase, 50/60 Hz (2) 208/230 VAC, Single Phase, 50/60Hz (3) 208/230 VAC, Three Phase, 50/60 Hz (4) 440/480 VAC, Three Phase, 50/60 Hz
Display	Red & Green varying LED Indicator for Operating Status
Input	Level Sensor Range: Nominal 0-4 inches of Water Column
Output	User Selectable From: 120 VAC, Single Phase, 208/220 VAC, Single Phase, 208/230 VAC, Three Phase, all outputs above at 20 amps.
Temp Range	0 to 70° C
Housing	NEMA 4X
Dimensions	Clearance Dimensions: 24"W x 36"H x 16" D
Weight	Nominal 26 lb.
Warranty	One year from Date of Purchase to be free from Defective Materials & Faulty Workmanship.

SmartRack Pat. Pend. System Order Guide

Model Number Explanation

Model 200-XXX-Y

XXX = Input/Output Voltage

120 = 120 VAC

208 = 208 VAC

230 = 230 VAC

440 = 440 VAC

480 = 480 VAC

Y = Single or Three Phase

1 = Single Phase

3 = Three Phase

Example:

Model 200-208-3

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Operating on 208 VAC, Three Phase Power