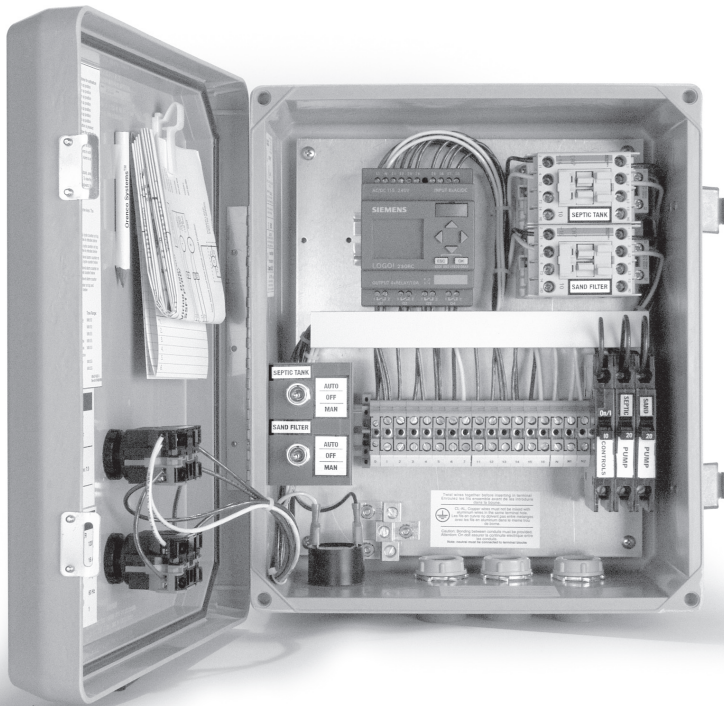


# MVP-SSF Control Panel

## Applications

The MVP-SSF control panel is ideal for timed dosing in linked pump systems, where one panel controls two pumps in separate locations. All our SSF panels include a “high level alarm lockout” in which a high level alarm in the downstream location prevents the upstream pump from operating until the alarm situation is corrected. In addition, all our MVPs include an easy-to-use, programmable logic unit that incorporates many timing and logic functions, such as multiple timing intervals to adjust for changing flow conditions and built-in elapsed time meters and counters. Any water or wastewater system that requires a timer would benefit from the MVP’s accuracy and versatility.



*Easy to set, accurate, and surprisingly affordable, the MVP brings intelligent control technology to the water and wastewater handling industries.*

## To Order

Call your nearest Orenco Systems<sup>®</sup>, Inc. distributor. For nearest distributor, call Orenco at 800-348-9843, or go to [www.orenco.com](http://www.orenco.com) and click on “Distributor Locator.”

APS-CP-MVP-3  
Rev. 1.6 © 11/05  
Orenco Systems<sup>®</sup>, Inc.



Orenco Systems<sup>®</sup>  
Incorporated

*Changing the Way the  
World Does Wastewater<sup>®</sup>*

800-348-9843  
[www.orenco.com](http://www.orenco.com)

## Standard Features & Benefits

- Eight inputs and four outputs (standard) or twelve inputs and eight outputs (expanded)
- Intervals as long as 99 hours can be set with an accuracy of  $\pm 1\%$
- Simple setting instructions are easy to remember
- Built-in programming keys allow reprogramming in the field without a portable computer
- Parameters have understandable abbreviations
- Multiple timer intervals (e.g., normal timer, override timer) can be set to accommodate varying flow conditions
- High-level alarm delay is adjustable
- When an alarm condition is reached, a minimum number of override cycles can be set to allow tank levels to drop, thus eliminating nuisance alarms
- Large, backlit LCD display is easy to read
- Ability to use one model of float for all functions simplifies installation
- UL 508 listed in the United States and Canada
- Complete instructions and diagrams come with panel and are affixed to the inside, for reference in the field
- Three-year limited warranty

## Standard Features for System Maintenance

- Visual cues (indicators of float position and different alarm/light signals for varying alarm conditions) aid system maintenance
- Built-in counters for low-level alarms, high-level alarms, overrides (on panels with timer), and power failures. Records total hours in service. These features provide valuable information for system maintenance and troubleshooting
- Timed delays on float inputs prevent chattering and pump burnout
- Automatic reactivation of silenced alarm (when problem is not corrected) prevents system failure

*(Optional features on back.)*

## Optional Features & Benefits

- Removable EEPROM card for reprogramming the panel in the shop or in the field
- UL698A (Intrinsically Safe listing) for use in hazardous locations
- Self-regulating anticondensation heater (radiates additional wattage as temperature drops)
- Pump run light to indicate pumping activity

## Standard Models

MVP-SSF1PTRO/, MVP-SSF2PTRO/  
MVP-SSF1PTRO/PT, MVP-SSF2PTRO/PT  
MVP-SSF1PTRO/RO, MVP-SSF2PTRO/RO  
MVP-SSF1PTRO/PTR0, MVP-SSF2PTRO/PTR0

## Model Code for Ordering

MVP-SSF [ ] [ ] PTR0 [ ] / [ ]

Additional downstream pump options:  
/ = no options  
/PT = programmable timer  
/RO = redundant off  
/PTR0 = programmable timer and redundant off

Additional upstream pump options:  
PRL = pump run light

Redundant off

Programmable timer

HT = heater

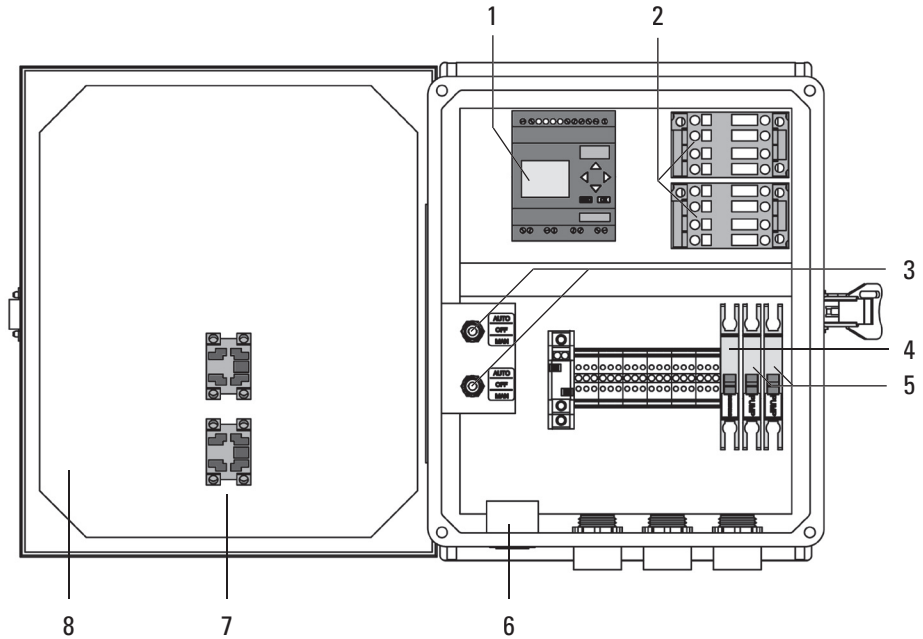
Voltage:

1 = 115 VAC  
2 = 230 VAC

Sand filter panel series

MVP control panel

1. Programmable Logic Unit
2. Motor-Start Contactor
3. Toggle Switches
4. Controls Circuit Breaker
5. Pump Circuit Breaker
6. Audio Alarm
7. Visual Alarm
8. Panel Enclosure



*When you purchase a “/,” “/PT,” or “/RO,” your panel comes with these bonus features at no extra cost:*

| Bonus Features                                     | Standard |            | Expanded   |              |
|--|----------|------------|------------|--------------|
|  | Model /  | Model / PT | Model / RO | Model / PTR0 |
| High level alarm counter (upstream and downstream) | ✓        |            | ✓          |              |
| Upstream override pump cycle counter               | ✓        | ✓          | ✓          |              |
| Downstream override pump cycle counter             | na       | ✓          | na         |              |

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