

SAV Plus™ Control Valve

Direct Replacement of Valve-Tronic 3.5

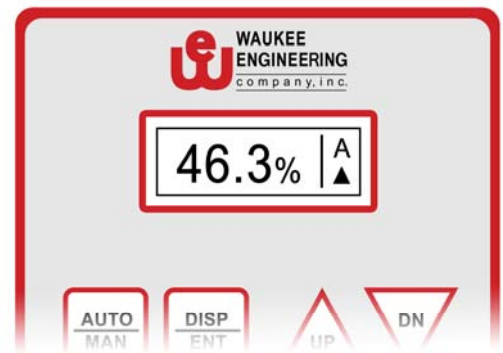


SAV Plus™ is a heavy-duty position control valve that maintains a valve's position based on a desired % output set point. It is designed to work in applications where the control of a process variable (PV) is accomplished using an independent sensor. Perfect for controlling Dew-point, Carbon Potential, etc.

SAV Plus™ incorporates a standard Waukee Flo-Meter™ scaled to the application requirements and an electronic control valve that modulates flow based on an external signal from a control system. The external signal can be 4-20mA or may be delivered using digital communications.

Features & Benefits

- Large LCD display provides vital information such as Valve position, Alarms, and diagnostic messages
- Simple and intuitive programming menus
- Field programmable engineering units
- Standard Modbus TCP for easy integration with control systems
- Manual actuation of valve possible
- Easy to install
- Built-in Web Server for remote access to device
- Calibration in state-of-art ISO/IEC 17025:2005 accredited laboratory



LCD display provides easy-to-read indication of the valve



Applications

- Annealing
- Sintering
- Neutral hardening
- Carburizing
- Additive gas or air for endothermic generators
- Nitriding and much more



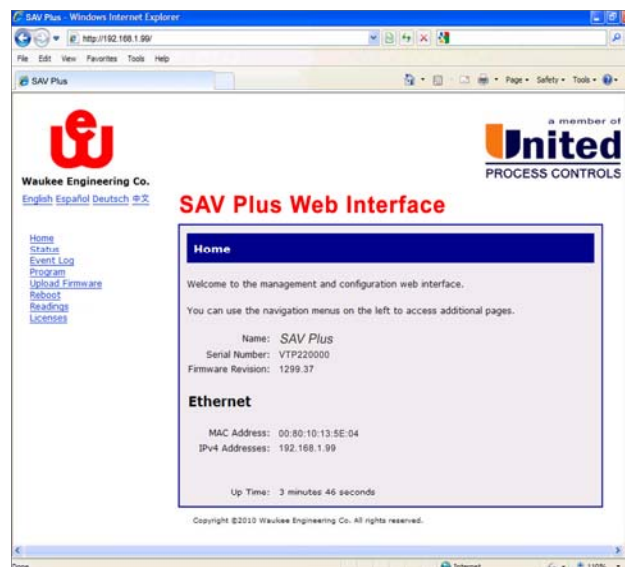
Data Logging

For applications requiring electronic measurement of flow rate, upgrade to our Valve-Tronic Plus™ control valve which includes a flow sensor. control valve which includes a flow sensor.

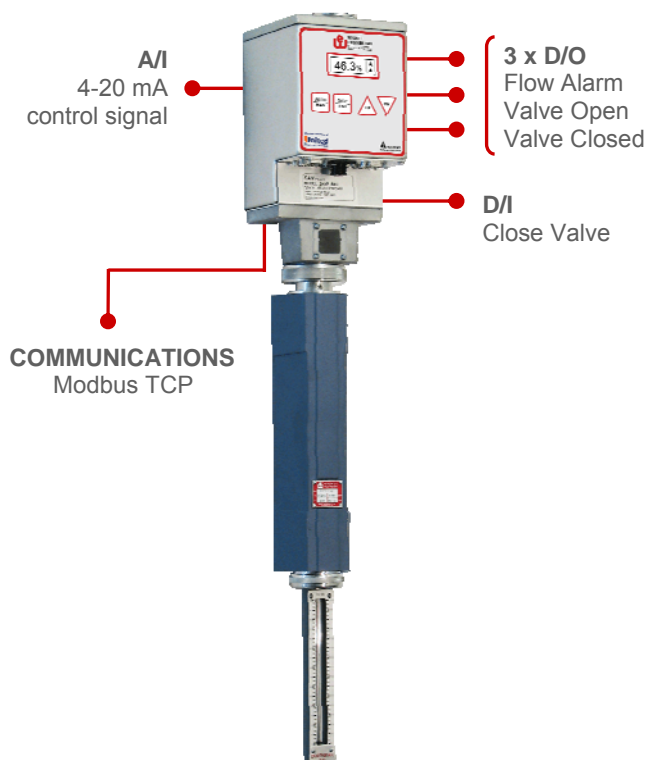
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Web Server Features

- Remote access to the device via web browser, no special software required
- Intuitive web interface
- Several access levels with passwords
- Access up-to-the-minute information on the valve position, current mode, errors and many more
- Easy setup of parameters
- Built-in event log viewer for troubleshooting
- Logs export to CVS format
- Save, upload, back up and restore configuration files
- Option to upload configuration files to multiple units



Control Diagram



Specifications

Power requirements:	500mA @ 24 VDC ±10%
Digital Input:	1 Input, 24 VDC (programmable)
Digital Output:	3 Outputs, 24 VDC, 1.0A max (programmable)
Setpoint Input Signal:	Isolated 4-20mA
Scale:	Air (70°F; 14.7 PSIA / 21°C; 1 bar) Model S: 4-100 CFH (0-3 m ³ /hr) Model M: 10-1500 CFH (0-42 m ³ /hr) Model L: 150-18,000 CFH (4-510 m ³ /hr) Liquid Model SF: 0.2-25 GPH (0.75-95 l/hr)
Turndown Ratio:	Model S: 10:1 Model M: 12.5:1 Model L: 15:1
Accuracy:	VDE/VDI 3513 sh.2, q ₀ =50% Model S/SF: 5% Model M: 4% Model L: 3%
Max Operating Temperature:	Ambient: 140°F (60°C) Media: 200°F (93°C)
Max Pressure:	100 PSIG (7 bar)
Max Operating Pressure:	Model S/SF: 90 PSIG Model M: 75, 90 PSIG Model L: 5, 10, 30, 75 PSIG (1/3, 0.7, 2, 5 bar)
Pressure Drop:	≤ 2" W.C. (5 mbar)
Recommended Diff. Pressure:	≥ 0.5 PSI; 14" W.C. (35 mbar)



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