

Quality HVAC Controls

Erie® PopTop™

Modulating Temperature Control Valves and Actuators



Make the most of your energy

Schneider
Electric

PopTop™ Modulating Spring Return Valves & Actuators



Spring Return

The most modern, cost-effective range of electrically operated, modulating, temperature control, Schneider Electric's patented equal percentage flow plug, standard in control valves up to 3.4 Kv, is designed for applications requiring a constant, level temperature. These highly reliable valves are designed specifically for use in fan coil, VAV reheat, unit ventilators, air handling unit, baseboard and radiant applications. The compact design installs in small compartments and still allows service access. Designed for use in closed hydronic heating and cooling applications.

Features

- Rugged Brass forged 20.6 BAR rated valve body
- Patented equal percentage flow plug up to 3.4 Kv
- Kv 0.86 to 6.9
- Manual override
- Position indicator
- Thermoplastic enclosure
- Jumper selectable operating ranges
- 24 VAC, 3-wire floating and 0-10 VDC, 0-5 VDC 5-10 VDC, or 4-20 mA proportional controls
- Chilled or hot water applications
- Time-out feature for extended life
- Meets or exceeds ANSI IV standard for close-off; equal to 0.01% of Kv
- UL Listed actuator

PopTop™ Modulating Non-Spring Return Valves & Actuators



Non-Spring Return

All of our PopTop Modulating valves and actuators feature a position indicator, manual override, thermoplastic enclosure, and time-out option. Modulating valves are designed for a fan coil, VAV reheat, unit ventilator, air handling unit, baseboard and radiant applications.

Features

- Rugged Brass forged 300 psig rated valve body
- Patented equal percentage flow plug up to 3.4 Kv
- Kv 0.86 to 6.9
- Manual override
- Position indicator
- Thermoplastic enclosure
- Non-spring return operation
- Jumper selectable operating ranges
- 24 VAC, 3-wire floating and 0-10 VDC, 0-5 VDC, 5-10 VDC, or 4-20 mA proportional controls
- Compatible with most DDC control systems
- Chilled or hot water applications
- Time-out feature for extended life
- Meets or exceeds ANSI IV standard for close-off; equal to 0.01% of Kv
- UL Listed actuator

PopTop™ Modulating Spring Return Valves & Actuators



Features

- Quicker installation time
- Easier maintenance
- Compatible with most DDC systems
- UL listed



Features

- Offers the same great features as the three-wire floating assemblies
- Operating range of 0 to 10 Vdc or 4 to 20 mA proportional control
- Jumper selectable operating ranges
- UL Listed

Three-wire floating, 24 vac modulating, non-spring return

2-way Three-wire Floating

Model ^{a/b}	Connection	Kv	kPa
VM2211T33A00x	15 mm Sweat	0.86	344
VM2212T33A00x		1.7	344
VM2213T33A00x		3.4	241
VM2221T33A00x	15 mm NPT	0.86	344
VM2222T33A00x		1.7	344
VM2223T33A00x		3.4	241
VM2312T33A00x	20 mm Sweat	1.7	344
VM2313T33A00x		3.4	241
VM2317T33A00x		6.5	241
VM2322T33A00x	20 mm NPT	1.7	344
VM2323T33A00x		3.4	241
VM2327T33A00x		6.5	241
VM2413T33A00x	25 mm Sweat	3.4	241
VM2417T33A00x		6.5	241
VM2427T33A00x	25 mm NPT	6.9	241
VM2517T33A00x	32 mm Sweat	6.9	241

3-way Assemblies - Three-wire Floating

Model	Connection	Kv	kPa
VM3211T33A000	15 mm Sweat	0.86	344
VM3212T33A000		1.7	344
VM3213T33A000		3.4	241
VM3221T33A000	15 mm NPT	0.86	344
VM3222T33A000		1.7	344
VM3223T33A000		3.4	241
VM3312T33A000	20 mm Sweat	1.7	344
VM3313T33A000		3.4	241
VM3317T33A000		6.5	241
VM3322T33A000	20 mm NPT	1.7	344
VM3323T33A000		3.4	241
VM3327T33A000		6.5	241
VM3413T33A000	25 mm Sweat	3.4	241
VM3417T33A000		6.5	241
VM3427T33A000	25 mm NPT	6.9	241
VM3517T33A000	32 mm Sweat	6.9	241

Options

- a. x = Option designation: T= Time-out, 0=No option
 b. Non-spring return, 3-wire floating actuator without the time-out option should be used only with controllers that provide time-out

Proportional, 24 vac 0 to 10 VDC, Or 4 to 20 MA non-spring Return

2-way Proportional

Model	Connection	Kv	kPa
VM2211P33A000	15 mm Sweat	0.86	344
VM2212P33A000		1.7	344
VM2213P33A000		3.4	241
VM2221P33A000	15 mm NPT	0.86	344
VM2222P33A000		1.7	344
VM2223P33A000		3.4	241
VM2312P33A000	20 mm Sweat	1.7	344
VM2313P33A000		3.4	241
VM2317P33A000		6.5	241
VM2322P33A000	20 mm NPT	1.7	344
VM2323P33A000		3.4	241
VM2327P33A000		6.5	241
VM2413P33A000	25 mm Sweat	3.4	241
VM2417P33A000		6.5	241
VM2427P33A000	25 mm NPT	6.9	241
VM2517P33A000	32 mm Sweat	6.9	241

3-way Assemblies - Proportional

Model	Connection	Kv	kPa
VM3211P33A000	15 mm Sweat	0.86	344
VM3212P33A000		1.7	344
VM3213P33A000		3.4	241
VM3221P33A000	15 mm NPT	0.86	344
VM3222P33A000		1.7	344
VM3223P33A000		3.4	241
VM3312P33A000	20 mm Sweat	1.7	344
VM3313P33A000		3.4	241
VM3317P33A000		6.5	241
VM3322P33A000	20 mm NPT	1.7	344
VM3323P33A000		3.4	241
VM3327P33A000		6.5	241
VM3413P33A000	25 mm Sweat	1.7	241
VM3417P33A000		6.5	241
VM3427P33A000	25 mm NPT	6.9	241
VM3517P33A000	32 mm Sweat	6.9	241

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