CONTROL VALVES

TWO-POSITION POPTOP[™] ZONE VALVES VT SERIES



DESCRIPTION

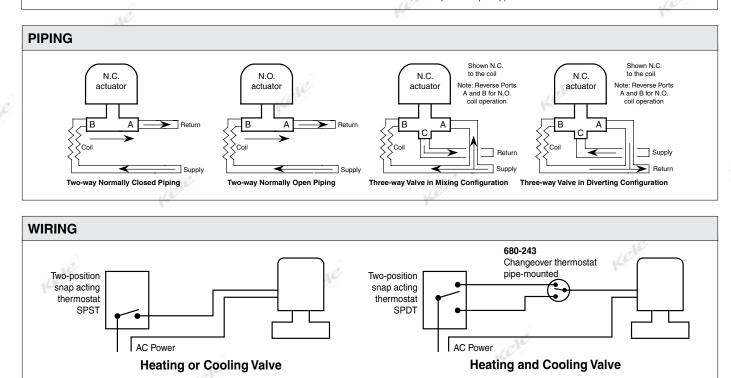
The **VT Series** Two-Position PopTop[™] zone valves offer a wide range of models to handle chilled water, hot water, and 15 psig (103 kPa) steam applications. PopTop[™] valves feature removable actuators to aid in both installation and service. They are available in 2-way and 3-way body patterns and with normally open or normally closed actuators.

FEATURES

- Two- or three-way mixing/diverting body patterns
- Removable and replaceable actuator
- NPT, sweat, or inverted flare connections
- 2-position spring return control



DIMENSIONS F in 3-1/4 (8.26) DIMENSIONS 7/8 (cm) VALVE BODY 3/4 - H-(2.22)(1.91) D SIZE Δ в C 1-5/16 (3.33) 1/2" Sweat 1-5/16 (3.33) 7/8 (2.22) 3-5/16 (8.41) (1.91)1-3/8 (3.49) 1-11/16 (4.29) 3/4" Sweat 7/8 (2.22) 7/8 (2.22) 1-11/16 (4.29) 3-3/8 (8.57) 1" Sweat -11/16 (4.29) 3-5/8 (9.21) G 1/2" NPT 1-3/8 (3.49) 7/8 (2.22) 1-5/16 (3.33) 3-3/8 (8.57) 3-5/16 3/4" NPT 1-11/16 (4.29) 7/8 (2.22) 1 (2.54) 1-7/16 (3.65) 1-3/4 (4.45) 3-5/8 (9.21) (8.41) 3-7/8 (9.84) 1" NPT 1-7/8 (4.76) Inverted 1-5/16 (3.33) 4-1/8 (10.48) 1-3/8 (3.49) 7/8 (2.22) flare union в Two-way ACTUATOR Е F G н Thre AG AH 2-3/8 (6.03) 3-11/16 (9.36) 2-3/8 (6.03) 1-1/4 (3.18) Actuator release 2-5/8 (6.67) 3-7/8 (9.84) 2-3/8 (6.03) 1-1/4 (3.18) (with power-off D push and pull up)



March 2014

WE MAKE IT EASY.

kele.com 888-397-5353 USA

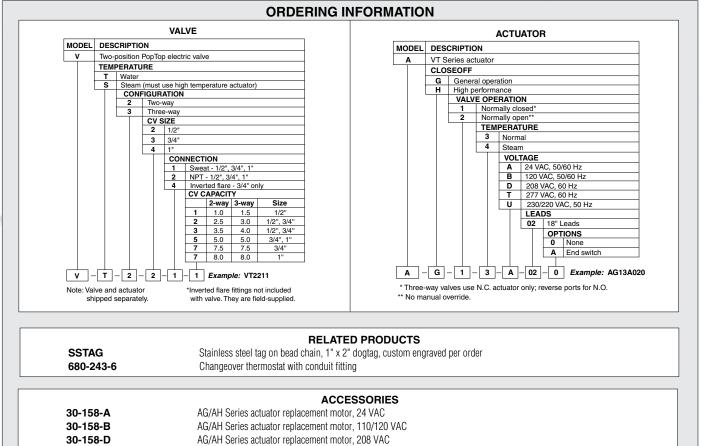


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TWO-POSITION POPTOP[™] ZONE VALVES VT SERIES

| SPECIFICATIONS | | | |
|--------------------------------|--|------------------------|--|
| Size | 1/2", 3/4", 1" | Supply Voltage | 24 VAC ±10%; 120 VAC ±10%, 50/60 Hz; |
| Cv Range | 1.0 to 8.0 | | 208-277V models also available |
| Connections | FNPT, Sweat, or inverted flare (3/4" only) | Supply VA | 7 VA |
| Flow Characteristic | Quick Opening | Supply Watts | 6.5 W |
| Leakage Rating | ANSI Class IV (0.01% of rated capacity) | Control Signal | Two-position, two-wire |
| Maximum Closeoff Pressure | | Wiring | 18" (45.2 cm) leads |
| e P | Cv 1.0-1.5: 60 psid (414 kPa) AG | Action | Two-way valves: N.O./N.C. determined by |
| | actuator, 75 psid (517 kPa) AH actuator | | choice of actuator; three-way valves: N.C. |
| 12- | Cv 2.5-3.0: 40 psid (276 kPa) AG | | actuator only |
| | actuator, 50 psid (345 kPa) AH actuator | Actuator Compatibility | AG (general purpose) or AH (high |
| | Cv 3.5-4.0: 25 psid (172 kPa) AG | | performance) type actuators only |
| | actuator, 30 psid (207 kPa) AH actuator | Actuator Mounting | Poptop [®] |
| | Cv 5.0: 20 psid (137 kPa) AG actuator, 25 | Auxiliary Contacts | N.O. contacts, 24-240 VAC, 101mA min to |
| | psid (172 kPa) AH actuator | | 5A max; 9-30 VDC @ 100 mA max |
| | Cv 7.5-8.0: 17 psid (117 kPa) AG | Auxiliary Switch | Models with auxiliary switch available |
| | actuator, 20 psid (137 kPa) AH actuator | Drive Time | 25 seconds maximum @ 60 Hz |
| Maximum Pressure Rating | 300 psig (2067 kPa) | Manual Override | N.C. actuators only |
| Materials Of Construction | Brass valve body and seat, nickel-plated | Operating Temperature | AG actuator: maximum ambient 104°F |
| | stem, BUNA N paddle; stainless steel | | (40°C); |
| | base plate and aluminum cover on | | AH actuator: maximum ambient 169°F |
| | actuator | | (77°C) |
| Media Compatibility | Hot or chilled water; 50% or less ethylene | Spring Return Time | 9 seconds maximum |
| 100 | glycol, 15 psig steam | Weight | Valve bodies: <1.4 lb (.64 kg) |
| Media Temperature Range | e 32° to 200°F (0° to 93°C) with AG | | Actuators: 1.0 lb (.45 kg) |
| | actuator; up to 250°F (121°C) with AH | Approvals | UL and ULc Listed; CE |
| | actuator | Warranty | 2 years |

Kele



30-158-TAG/AH Series actuator replacement motor, 277 VAC**30-158-Y**AG/AH Series actuator replacement motor, 230/240 VAC**436-252**3/4" flare-to-sweat fitting

NTROL VALVES

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WHEN YOU NEED IT RIGHT, RIGHT NOW, CALL KELE.

March 2014