## **CONTROL VALVES**

# TWO-POSITION POPTOP ZONE VALVES



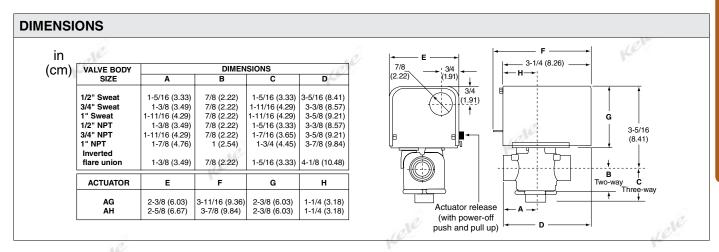
### **DESCRIPTION**

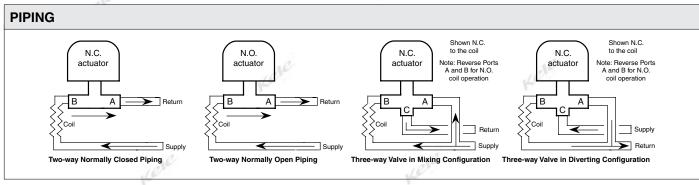
The Schneider Electric VT Series two-position PopTop<sup>TM</sup> zone valves offer a wide range of models to handle chilled water, hot water, and 15 psig (103 kPa) steam applications. PopTop<sup>TM</sup> valves feature removable actuators to aid in both installation and service. They are available in 2-way and 3-way body patterns and with normally open or normally closed actuators.

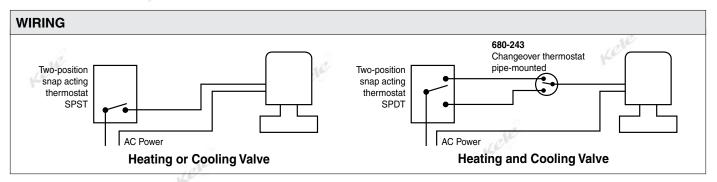
#### **FEATURES**

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











## **CONTROL VALVES**

### TWO-POSITION POPTOP<sup>™</sup> ZONE VALVES **VT SERIES**

#### **SPECIFICATIONS**

Size 1/2", 3/4", 1" Cv Range 1.0 to 8.0

Connections FNPT, Sweat, or inverted flare (3/4" only)

Flow Characteristic **Quick Opening** 

Leakage Rating ANSI Class IV (0.01% of rated capacity)

**Maximum Closeoff Pressure** 

<u>Cv</u>	General Operation psid (kPa)	High Performance psid (kPa)
	polu (Ki u)	pola (Ki a)
1-1.5	60 (414)	75 (517)
2.5-3	40 (276)	50 (345)
3.5-4	25 (172)	30 (207)
5	20 (137)	25 (172)
7.5-8	17 (117)	20 (137)
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Maximum Pressure Rating 300 psig (2067 kPa)

Materials Of Construction Brass valve body and seat, nickel-plated

stem, BUNA N paddle; stainless steel base plate and aluminum cover on

actuator

**Media Compatibility** Hot or chilled water; 50% or less ethylene

glycol; 15 psig steam (optional) Media Temperature Range 32° to 200°F (0° to 93°C) with AG

actuator; up to 250°F (121°C) or 15 psig

steam with AH actuator

24 VAC ±10%; 120 VAC ±10%, 50/60 Hz; Supply Voltage 208-277V models also available

Supply VA 7 VA **Supply Watts** 6.5 W

**Control Signal** Two-position, two-wire Wiring 18" (45.2 cm) leads

Two-way valves: N.O./N.C. determined by Action

choice of actuator; three-way valves: N.C. actuator only

**Actuator Compatibility** AG (general purpose) general closeoff

(GCO) or AH (high performance) high closeoff (HCO) type actuators only

Poptop<sup>®</sup> **Actuator Mounting** 

N.O. contacts, 24-240 VAC, 101mA min to **Auxiliary Contacts** 

(Optional) 5A max; 9-30 VDC @ 100 mA max

**Drive Time** 25 seconds maximum @ 60 Hz

**Manual Override** N.C. actuators only

**Operating Temperature** AG actuator: maximum ambient 104°F

(40°C);

AH actuator: maximum ambient 169°F

(77°C)

**Spring Return Time** 9 seconds maximum

Valve bodies: <1.4 lb (.64 Kg) Weight

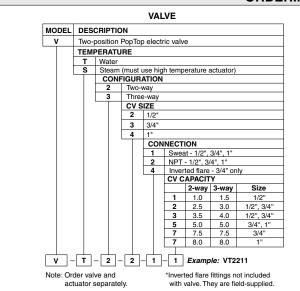
Actuators: 1.0 lb (.45 Kg) UL and ULc Listed; CE

Warranty 2 years

### ORDERING INFORMATION

FREE VALVE ASSEMBLY, JUST ASK!

**Approvals** 



MODEL	DESCRIPTION									
Α	VT Series actuator									
	CLOSEOFF									
	G	Ge	General operation							
	Н	Hiç	High performance							
		V	VALVE OPERATION							
		1			Normally closed*					
		2	2 Normally open**							
			TEMPERATURE							
					3 Normal					
				4 Steam						
			VOLTAGE							
					Г	Α	24	VA	C, 50/	60 Hz
						В	12	0 V	AC, 50	0/60 Hz
					L	D			/AC, 6	
					L	Т			/AC, 6	
			U 230/220 VAC, 50 Hz		C, 50 Hz					
								ΑI		
							0	2		.eads
										IONS
									0	None
									A	End switch
						丄	_	Ц.	$\perp$	

- \* Three-way valves use N.C. actuator only; reverse ports for N.O.
- \*\* No manual override.

### **RELATED PRODUCTS**

680-243-6	Changeover thermostat with conduit fitting
30-158-A	KZG/KZH Series actuator replacement motor, 24 VAC
436-252	3/4" flare-to-sweat fitting
30-158-D	KZG/KZH Series actuator replacement motor, 208 VAC
30-158-T	KZG/KZH Series actuator replacement motor, 277 VAC
30-158-B	KZG/KZH Series actuator replacement motor, 110/120 VAC
30-158-U	KZG/KZH Series actuator replacement motor, 230/240 VAC

**SSTAG** Stainless steel tag on bead chain, 1" x 2" dogtag, custom engraved per order

691-K0A Control transformer, 120:24 VAC, 40 VA, Class 2