CONTROL VALVES

TWO-POSITION ZONE VALVES

Z200/Z300 SERIES



DESCRIPTION

The Caleffi Z200/Z300 Series zone valves are high-quality, cost-competitive, two-position, spring return valves made for chilled water, hot water, and 15 psig (103 kPa) steam applications. The **Z200/Z300 Series** zone valves feature, as standard, high temperature ratings and high close-off ratings. They are available in a full range of common sizes, connection types, and operating voltages.

FEATURES

- · High-quality, long-life design
- · High close-off pressures standard
- · Drop-in replacement for existing zone valves
- Manual override lever for N.C. actuators
- · Actuators available with end switch
- Front-mount, push-button actuator release
- Anti-water hammer gear motion
- Knockout for 1/2" conduit

SPECIFICATIONS

Media Compatibility

Supply Voltage

Media Temperature Range

Size

· Available assembled or separate valve/actuator

1/2" 3/4" 1" 1-1/4" (sweat

Hot and chilled water, up to 50%

steam (2-way valves only)

32° to 240°F (0° to 115°C)

available special order)

glycol; 15 psig (103 kPa) maximum

24 VAC @ 7 VA models, 120 VAC

models (208, 240, 277 VAC models

· Hot/Chilled water and Low Pressure Steam





G CALEFFI

Z200411-Z12100

7\/A

Supply VA

Weight

Approvals

Warranty

Z300411





Size	1/2, 3/4, 1, 1-1/4 (SWEat	Supply VA	/ VA
	connections only)	Conduit Connection	7/8" (2.2 cm) knockout for 1/2"
Cv Range	1.0, 2.5, 3.5, 5.0, 7.5		conduit
Connections	FNPT, Sweat (BSP, inverted flare and	Wiring	24 VAC actuators: 18" (45.7 cm)
	SAE flare available special order)		leads;
Body Pattern	2-way and 3-way (mixing/diverting)	120 VAC actuators	6" (15.2 cm) leads
Flow Characteristic	Quick Opening	Auxiliary Switch	Model dependant; switch closes
Leakage Class	ANSI Class III (0.1%)		when actuator opens, operates with
Maximum Closeoff Pressure			manual override
Cv = 1.0	75 psid (517 kPa)	Contact Rating	24 VAC actuators: 0.4A @ 24 VAC
Cv = 2.5	50 psid (345 kPa)	120 VAC actuators	5.0A @ 120-277 VAC
Cv = 3.5	30 psid (207 kPa)	Actuator Compatibility	2-way valves: N.O. or N.C. actuator
Cv = 5.0	25 psid (172 kPa)	3-way valves	N.C. actuator only
Cv = 7.5	20 psid (137 kPa)	Drive Time	10 to 60 seconds
Maximum Pressure	300 psig (2067 kPa)	Spring Return Time	6 seconds
Materials Of Construction		Manual Override	Included on N.C. actuators only
	Forged brass body, stainless steel	Operating Temperature)
	stem, brass seat, EPDM paddle,	24 VAC, 120 VAC	32° to 104°F (0° to 40°C)
	aluminum actuator base plate,	208, 230, 277 VAC	32° to 170°F (0° to 77°C)
	polycarbonate actuator housing	Humidity	95% Non-Condensing

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2 years

1/2" valves: 0.70 lb (0.32 Kg)

3/4" valves: 0.80 lb (0.36 Kg) 1" valves: 0.90 lb (0.41 Kg)

1-1/4" valves: 0.90 lb (0.41 Kg)

UL File #E239721, CE, plenum rating

Actuators: 0.92 lb (0.42 Kg)

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