

Global Leader in Hydronic Components

Z-one Specification Guide

Actuator	Operation
Z1 with or without auxiliary end switch	Normally Closed Normally Opened
Motor	Electrical rating
Plated for chilled or hot water & low pressure steam	24 V 50/60Hz 120V 50/60Hz 208V 50/60Hz 230V 50/60Hz 277V 50/60Hz
Technical	Material
Base plate Base/Cover	Aluminum Polycarbonate

Body	Style	Cv	Close off ΔP
Z2	2-way	1.0	75 PSI
Z3	3-way	2.5	50 PSI
		35	30 PSI
		5.0	25 PSI
		7.5-8.0	20 PSI

Pressure	Pipe connection
300 psi	1/2", 3/4", 1", 1-1/4" sweat 1/2", 3/4", 1" NPT female 1/2", 3/4", 1" inverted flare

Technical	Material
Body	Forged brass
Stem	Stainless steel
Two O-ring seals	EPDM
Seat	Machined brass
Paddle	EPDM



Z-one™



The one zone valve that does it all!

Caleffi North America, Inc.

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The one zone valve that does it all!

The new *Z-one* valve is a truly universal replacement zone valve that can be used in a wide range of commercial and residential applications. Advanced engineering from Caleffi, a world leader in hydronic components, means reliability, long life, and features that make *Z-one* the right choice, even in the most demanding applications.

Application Flexibility

One zone valve for all applications; from fan coils to baseboard, radiant to high rise, the *Z-one* is the professional's valve of choice. The *Z-one* can be used in both chilled or hot water and low pressure steam applications. Plus, the slim line design makes it perfect for most baseboard installations. The *Z-one* features higher close off pressures for those demanding applications where high close-off pressures are required. With ΔP close off pressures of up to 75 PSI, the *Z-one* outperforms all other zone valves. When it comes to zoning, the *Z-one* is the valve that does it all!



Advanced Engineering from Caleffi

The *Z-one* combines the proven performance of synchronous motor technology with Caleffi's "enhanced motion" gear action which reduces motor wear, while providing smooth, quiet (no water hammer), constant close off, even at higher pressures. The quality crafted brass forged body is rated at 300 PSI, and the high temperature EPDM paddle design assures years of trouble free service. The *Z-one's* Euro style Hi Temp polycarbonate molded base and cover actuator provides easy installation and removal. Precision formed components and Caleffi's exclusive spring calibration process ensure uniform spring return and long valve life.

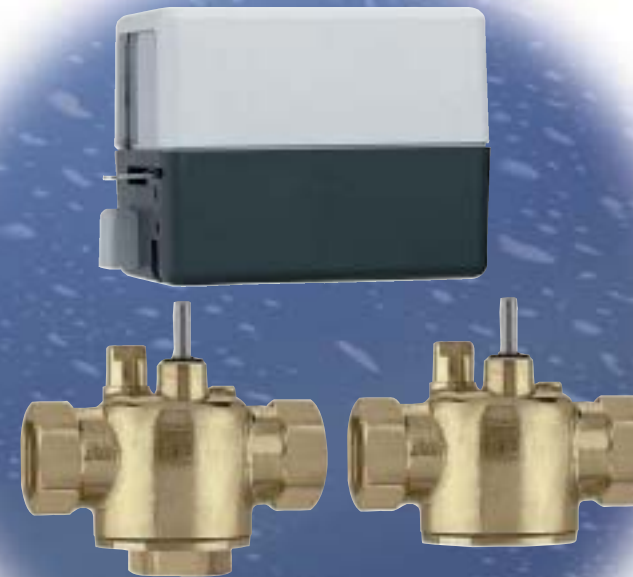
Easy Push Button "Posi-Lock" Design

Z-one is easy to fast install and easy to service. A push of the Posi-Lock button and the actuator is easily removed. The end mounted push button is easy to access and means fast service in any installation. The Posi-Lock mechanism securely mates the body and actuator. The easy open manual lever with automatic return allows manual by pass when required.

U.S. & Foreign Patent pending

Application Flexibility. Advanced Engineering.

- One actuator fits 2-way and 3-way bodies
- Sweat, NPT and Inverted Flare Pipe connections
- Cv range from 1.0 to 8.0



- Brass forged 300 PSI rated body
- Drop in replacement for existing zone valves
- Only 2-3/8" wide to fit most baseboards

- "Enhanced Motion" gear action
- Up to 75 PSI ΔP close-off
- Voltages 24 to 277 VAC
- Hysteresis synchronous motor
- Euro styled actuator housing
- 2 year factory warranty

COMPETITIVE COMPARISON		
Performance	Z-one	Others
Close-off max	75 PSI	50 PSI
8.0 Cv close-off	20 PSI	10 PSI
Class F standard	Yes	No
Front push release	Yes	No
300 PSI body	Yes	No



- Posi-Lock push button for quick removal of actuator, end mounted for easy access
- Easy manual open lever with automatic return.
- Spring return normally closed or normally opened