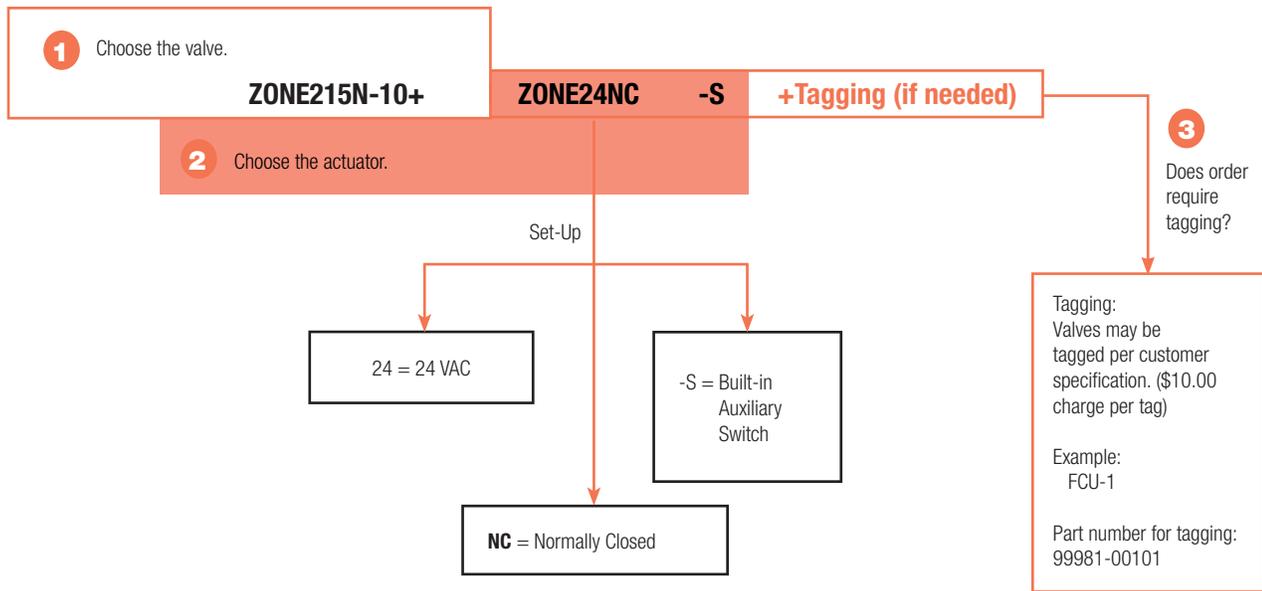


# Zone Valve Nomenclature

<b>ZONE2</b>	<b>15</b>	<b>N</b>	<b>-10</b>	<b>+ZONE24NC</b>	<b>-S</b>
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Valve	Valve Size	End Fitting	Cv Valve	Actuator Type	
Zone2 = 2-way	15 = 1/2"	N = NPT Female Connection	-10 = 1.0	24NC = 24 Volt Normally Closed	-S = Built-in Auxiliary Switch
Zone3 = 3-way	20 = 3/4"	S = Sweat Connection	-25 = 2.5	24NO = 24 Volt Normally Open	
	25 = 1"		-35 = 3.5	120NC = 120 Volt Normally Closed	
			-50 = 5.0	120NO = 120 Volt Normally Open	
			-80 = 8.0		

## Ordering Example



**4** Complete Ordering Example: ZONE215N-10+ZONE24NC-S

# Control Valve Product Range

## Zone Valve Product Range 2-way and 3-way

C <sub>v</sub>	2-way					
	Valve Nominal Size		Type		Suitable Actuators	
	Inches	DN [mm]	NPT	Sweat	Normally Closed	Normally Open
1	½	15	ZONE215N-10	ZONE215S-10	Zone	Zone
2.5	½	15	ZONE215N-25	ZONE215S-25		
3.5	½	15	ZONE215N-35	ZONE215S-35		
3.5	¾	20	ZONE220N-35	ZONE220S-35		
5	¾	20	ZONE220N-50	ZONE220S-50		
8	1	25	ZONE225N-80	ZONE225S-80		

C <sub>v</sub>	3-way				
	Valve Nominal Size		Type		Suitable Actuators
	Inches	DN [mm]	NPT	Sweat	Normally Closed
1	½	15	ZONE315N-10	ZONE315S-10	Zone
2.5	½	15	ZONE315N-25	ZONE315S-25	
3.5	½	15	ZONE315N-35	ZONE315S-35	
3.5	¾	20	ZONE320N-35	ZONE320S-35	
5	¾	20	ZONE320N-50	ZONE320S-50	
8	1	25	ZONE325N-80	ZONE325S-80	



### Applications

- Fan coil units and baseboards where fail safe operation or 2-wire control is required
- Hydronic systems with variable or constant flow

### Mode of Operation

Zone valves provide a convenient way to create individual zones or equipment isolation in a hydronic system. Utilizing one pump along with multiple zone valves, flow can be started, stopped, or diverted through the system to provide individual room or area comfort control and energy savings.

### Product Features

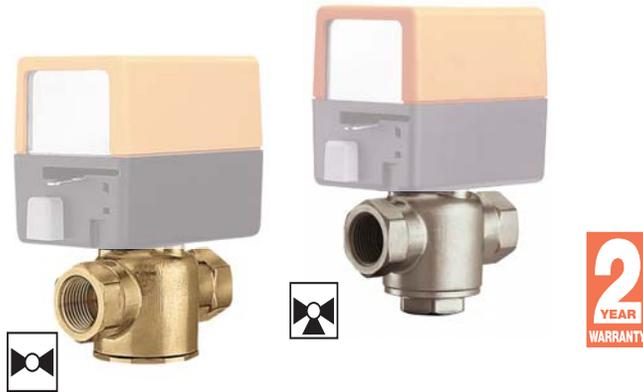
Zone valve is designed to fit in compact areas where on/off control is required using 24 VAC or 120 VAC.

### Actuator Specifications

Control type	On/Off, Diverting
Manual override	all versions
Electrical connection	6" [15cm] wire lead 120 V; 18" [45 cm] wire lead 24 V

### Valve Specifications

Service	chilled or hot water, 50% glycol
Flow characteristic	Two-way On/Off Three-way On/Off, Diverting Sizes ½", ¾" and 1"
Type of end fitting	NPT female ends or sweat
Materials	Body forged brass Stem stainless steel Seals EPDM
Pressure rating	300 psi
Media temp range	32°F to 212°F [0°C to 100°C]
Close off pressure	20-75 psi
Leakage	ANSI Class III 0.1%
Cv rating	see product chart for values



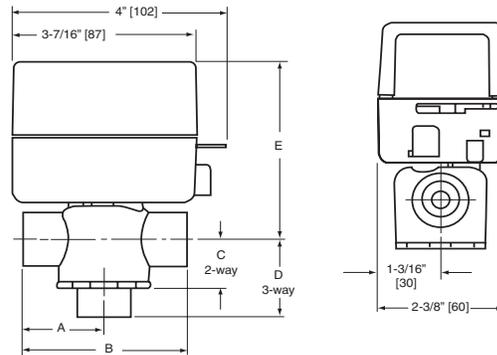
Technical Data	
Service	chilled or hot water, 50% glycol
Flow characteristic	
two-way	on/off
three-way	on/off diverting
Sizes	1/2", 3/4", and 1"
Type of end fitting	female, NPT or Sweat
Materials:	
Body	forged brass
Stem	stainless steel
Seals	EPDM
Body pressure rating	300 psi
Media temp. range	32°F to 212°F [0°C to 100°C]
Close off pressure	20-75 psi
Leakage	Class III 0.1%
C <sub>v</sub> rating	1.0-8.0

### Application

This valve is typically used on fan coil units, baseboards or other hydronic applications where fail-safe operation or 2-wire control is required. This valve is suitable for use in a hydronic system with variable or constant flow.

This valve is designed to fit in compact areas where on/off or control is required using 24 VAC or 120 VAC.

### Dimensions



D098

Connection Size and type	A in.(mm)	B in.(mm)	C in.(mm)	D in.(mm)	E in.(mm)
1/2" sweat	1-5/16" [34]	2-5/8" [38]	15/16" [24]	1-5/16" [34]	3-1/2" [89]
3/4" sweat	1-3/8" [35]	2-3/4" [70]	15/16" [24]	1-1/2" [38]	3-1/2" [89]
1" sweat	1-11/16" [43]	3-3/8" [86]	15/16" [24]	1-9/16" [39]	3-11/16" [93]
1/2" NPT	1-7/16" [36]	2-7/8" [72]	15/16" [24]	1-1/4" [32]	3-1/2" [89]
3/4" NPT	1-9/16" [39]	3-1/16" [92]	15/16" [24]	1-1/4" [43]	3-11/16" [93]
1" NPT	1-13/16" [46]	3-5/8" [92]	15/16" [24]	1-11/16" [43]	3-11/16" [93]