



2-year warranty

## Type overview

Type	DN
ZONE315N-35	15

## Technical data

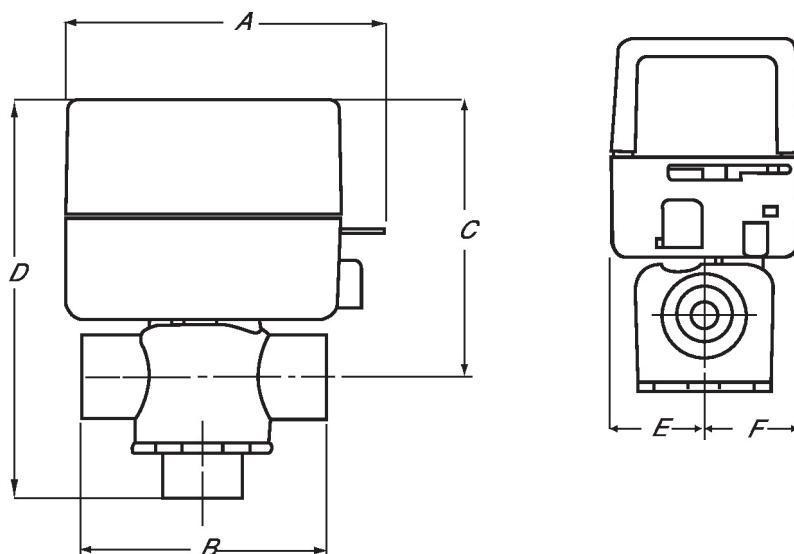
Functional data	Valve size [mm]	0.5" [15]
Fluid	chilled or hot water, up to 50% glycol	
Fluid Temp Range (water)	32...212°F [0...100°C]	
Body Pressure Rating	300 psi	
Close-off pressure $\Delta$ ps	30 psi	
Flow characteristic	on/off, diverting	
Flow Pattern	3-way	
Leakage rate	ANSI Class III 0.1%	
Cv	3.5	
Materials	Valve body	forged brass
	Housing seal	EPDM
	Spindle	stainless steel
	Seat	EPDM
	Pipe connection	NPT female ends
Suitable actuators	Spring	ZONE

## Product features

<b>Application</b>	This valve is typically used on fan coil units, baseboards or other hydronic applications where fail safe operation on 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.
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## Dimensions

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A	B	C	D	E	F
4.0" [102]	2.8" [70]	3.5" [89]	4.8" [122]	1.2" [30]	1.2" [31]



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## Technical data

<b>Electrical data</b>	Nominal voltage	AC 120 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	6.5 W
	Transformer sizing	7 VA (class 2 power source)
	Auxiliary switch	1 x SPST, 5 A resistive (5 A inductive) @ AC 120 V
	Switching capacity auxiliary switch	5 A resistive (5 A inductive) @ AC 120 V
	Electrical Connection	6" wire leads
<b>Functional data</b>	Manual override	hand lever
	Angle of rotation	90°
	Running time fail-safe	<5 s Variable: 2.5...10 s
	Noise level, motor	35 dB(A)
	Noise level, fail-safe	35 dB(A)
	Position indication	Mechanically (integrated)
<b>Safety data</b>	Degree of protection IEC/EN	IP20
	Degree of protection NEMA/UL	NEMA 1
	Enclosure	UL Enclosure Type 1
	Agency Listing	CE, cULus
	Quality Standard	ISO 9001
	Ambient temperature	32...104 [0...40°C]
	Storage temperature	-40...176°F [-40...80°C]
	Ambient humidity	Max. 95% RH, non-condensing
	Servicing	maintenance-free
<b>Materials</b>	Housing material	galvanized steel

## Electrical installation

### INSTALLATION NOTES

- Meets cULus requirements without the need of an electrical ground connection.
- One built-in auxiliary switch, 1x SPST 0.4A @ 24 VAC (resistive and inductive loads).

**Wiring diagrams**

Built-in Auxiliary Switch (optional) (only on -S models)

