

J Series

Two-Way Spring Open (Normally Open) Electric Zone Valves, On/Off Control



Standard Closeoff

- forged brass body and hard chrome-plated brass stem
 - provides economical control of hot or chilled water for fan coil, baseboard radiator, and VAV reheat applications
 - On/Off control from a two-wire thermostat
 - 300 psig system operating pressure
 - 400 psig static pressure rating
 - buna-N (standard temperature) or nitrile disk (high temperature) provides tight closeoff
 - 1/2, 3/4, and 1" line sizes
 - sweat, NPT, or inverted flare end connections
 - actuator can be factory or field installed
 - actuator snaps in place for easy removal and assembly during installation
- For complete details, refer to Product Bulletin LIT-977282.

To Order

Specify the code number from the selection chart.

Selection Chart

Valve Model Number					Actuator Model Number			
					"G" Style Actuators have Standard Pressure Closeoff "H" Style Actuators have High Pressure Closeoff			
Std. Temp	High Temp	Size	Cv	Close-off	Standard Temperature Rating: 200°F (93°C) Fluid, 104°F (40°C) Ambient		High Temperature Rating: 250°F (121°C) Fluid, 15 psig Steam, 169°F (76°C) Ambient	
					24 VAC, 60 Hz	120 VAC, 60 Hz	24 VAC, 60 Hz	120 VAC, 60 Hz
					JG23A020 JH23A020	JG23B020 JH23B020	JG24A020 JH24A020	JG24B020 JH24B020
Sweat Connections – Standard Pressure Closeoff								
JT2211	JS2211	1/2"	1.0	60	JT2211G23A020	JT2211G23B020	JS2211G24A020	JS2211G24B020
JT2212	JS2212	1/2"	2.5	40	JT2212G23A020	JT2212G23B020	JS2212G24A020	JS2212G24B020
JT2213	JS2213	1/2"	3.5	25	JT2213G23A020	JT2213G23B020	JS2213G24A020	JS2213G24B020
JT2312	JS2312	3/4"	2.5	40	JT2312G23A020	JT2312G23B020	JS2312G24A020	JS2312G24B020
JT2313	JS2313	3/4"	3.5	25	JT2313G23A020	JT2313G23B020	JS2313G24A020	JS2313G24B020
JT2417	JS2417	1"	8.0	17	JT2417G23A020	JT2417G23B020	JS2417G24A020	JS2417G24B020
JT2517	JS2517	1-1/4"	8.0	17	JT2517G23A020	JT2517G23B020	JS2517G24A020	JS2517G24B020
NPT Connections – Standard Pressure Closeoff								
JT2221	JS2221	1/2"	1.0	60	JT2221G23A020	JT2221G23B020	JS2221G24A020	JS2221G24B020
JT2222	JS2222	1/2"	2.5	40	JT2222G23A020	JT2222G23B020	JS2222G24A020	JS2222G24B020
JT2223	JS2223	1/2"	3.5	25	JT2223G23A020	JT2223G23B020	JS2223G24A020	JS2223G24B020
JT2322	JS2322	3/4"	2.5	40	JT2322G23A020	JT2322G23B020	JS2322G24A020	JS2322G24B020
JT2323	JS2323	3/4"	3.5	25	JT2323G23A020	JT2323G23B020	JS2323G24A020	JS2323G24B020
JT2427	JS2427	1"	8.0	17	JT2427G23A020	JT2427G23B020	JS2427G24A020	JS2427G24B020
Inverted Flare Connections – Standard Pressure Closeoff								
JT2343	JS2343	3/4"	3.5	25	JT2343G23A020	JT2343G23B020	JS2343G24A020	JS2343G24B020
Sweat Connections – High Pressure Closeoff								
JT2211	JS2211	1/2"	1.0	75	JT2211H23A020	JT2211H23B020	JS2211H24A020	JS2211H24B020
JT2212	JS2212	1/2"	2.5	50	JT2212H23A020	JT2212H23B020	JS2212H24A020	JS2212H24B020
JT2213	JS2213	1/2"	3.5	30	JT2213H23A020	JT2213H23B020	JS2213H24A020	JS2213H24B020
JT2312	JS2312	3/4"	2.5	50	JT2312H23A020	JT2312H23B020	JS2312H24A020	JS2312H24B020
JT2313	JS2313	3/4"	3.5	30	JT2313H23A020	JT2313H23B020	JS2313H24A020	JS2313H24B020
JT2417	JS2417	1"	8.0	20	JT2417H23A020	JT2417H23B020	JS2417H24A020	JS2417H24B020
JT2517	JS2517	1-1/4"	8.0	20	JT2517H23A020	JT2517H23B020	JS2517H24A020	JS2517H24B020

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Selection Chart (Continued)

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					24 VAC, 60 Hz	120 VAC, 60 Hz	24 VAC, 60 Hz	120 VAC, 60 Hz
					JG23A020 JH23A020	JG23B020 JH23B020	JG24A020 JH24A020	JG24B020 JH24B020
NPT Connections – High Pressure Closeoff								
JT2221	JT2221	1/2"	1.0	75	JT2221H23A020	JT2221H23B020	JS2221H24A020	JS2221H24B020
JT2222	JT2222	1/2"	2.5	50	JT2222H23A020	JT2222H23B020	JS2222H24A020	JS2222H24B020
JT2223	JT2223	1/2"	3.5	30	JT2223H23A020	JT2223H23B020	JS2223H24A020	JS2223H24B020
JT2322	JT2322	3/4"	2.5	50	JT2322H23A020	JT2322H23B020	JS2322H24A020	JS2322H24B020
JT2323	JT2323	3/4"	3.5	30	JT2323H23A020	JT2323H23B020	JS2323H24A020	JS2323H24B020
JT2427	JT2427	1"	8.0	20	JT2427H23A020	JT2427H23B020	JS2427H24A020	JS2427H24B020
Inverted Flare Connections – High Pressure Closeoff								
JT2343	JS2343	3/4"	3.5	30	JT2343H23A020	JT2343H23B020	JS2343H24A020	JS2343H24B020

Inverted Flare Fittings (Order Separately)

Code Number	Description	Length, in. (mm)
J647-601	For 1/2 in. (5/8 in. O.D.) Copper Tubing	15/16 (24)
J647-602	For 1/2 in. (5/8 in. O.D.) Copper Tubing	1-11/16 (43)
J647-603	For 1/2 in. (5/8 in. O.D.) Copper Tubing	3 (76)
J647-604	For 3/4 in. (7/8 in. O.D.) Copper Tubing	1-27/32 (47)
J647-605	For 1/2 in. (5/8 in. O.D.) Copper Tubing	1-15/16 (49)
J647-606	For 1 in. (1-1/8 in. O.D.) Copper Tubing	2-3/8 (60)
J647-607	Inverted Flare Nut	----

Repair Parts

Available repair parts for J Series Electric Zone Valves include replacement valve bodies, replacement actuators, and the end connections included in the Inverted Flare Fittings chart. No other field repairs should be attempted.



Inverted Flare Fittings