

V48 Series

Three-Way Water Regulating Valve



Description

V48 Series valves are designed specifically for condensing units cooled either by atmospheric or forced draft cooling towers.

Applications

V48 Series valves are used on single or multiple condenser hook-ups to the tower to provide the most economical and efficient use of the tower.

To Order

Specify the code number from the following selection chart.

Refrigerant (R)	Factory Settings psig (kPa)	
	Opening Press. Port 1 to Port 2	Closing Press. Port 1 to Port 3
R-12	95 (655)	120 (896)
R-22	165 (1138)	215 (1482)

Selection Chart (Non-Corrosive Refrigerants)

Code Number	Pipe Size In.	Range Opening Point of Normally Closed Side psig (kPa)	Pressure Element Style	Water Supply Pressure	Inlet and Outlet Ports	Max Bellows Overpressure	Seat Repair Kit	Replacement Sensing Element
V48AB-1C	1/2	85 to 110 (586 to 758)	30 in. Capillary with 1/4 in. Flare Nut (Style 45)	150 psig (1034 kPa)	Threaded	230 psig (1586 kPa)	STT15A-605R	SEP91A-602R SEC37A-602R ^(a)
V48AB-2C	1/2	145 to 190 (1000 to 1310)				320 psig (2206 kPa)		
V48AC-1C	3/4	85 to 110 (586 to 758)				230 psig (1586 kPa)	STT16A-604R	SEP91A-601R SEC37A-602R ^(a)
V48AC-2C	3/4	145 to 190 (1000 to 1310)				320 psig (2206 kPa)		
V48AD-1C	1	85 to 110 (586 to 758)				230 psig (1586 kPa)	STT17A-616R	SEP91A-603R SEC37A-600R ^(a)
V48AD-2C	1	145 to 190 (1000 to 1310)				320 psig (2206 kPa)		
V48AE-1C	1 1/4	85 to 110 (586 to 758)				1/4 in. Male Flare Fitting (Style 5)	STT17A-617R	SEP81A-602R
V48AE-2C	1 1/4	145 to 190 (1000 to 1310)						
V48AF-1C	1 1/2	85 to 110 (586 to 758)				30 in. Capillary with 1/4 in. Flare Nut (Style 45)	STT17A-604R	SEP81A-601R
V48AF-2C	1 1/2	145 to 190 (1000 to 1310)						
V48AJ-2C	1/2		Union	320 psig (2206 kPa)	STT15A-605R	SEP77A-605R		
V48EK-2C	3/4			370 psig (2551 kPa)	STT16A-604R	SEP127A-600R		
V48AL-2C	1			320 psig (2206 kPa)	STT17A-616R	SEP107A-602R		
V48AM-2C	1-1/4				STT17A-617R			

(a) Replacement element supplied with 1/4 in. male SAE connector. Order SEC37A capillary kit with two flare nuts separately if needed. Use only on valves specified.

Note: Standard capillary length on Style 45 and Style 34 elements is 30 inches.

▲ Universal Replacement (R) For Refrigerants Not Listed, Contact Application Engineering

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 08/02 Johnson Controls, Inc