

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.



V48

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) ¹	150 psig (1034 kPa)	Threaded	230 psig (1586 kPa)	STT15A-605R	SEP91A-602R SEC99AA-36C ²		
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 SEC99AA-36C ²		
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 SEC99AA-36C ²		
V48AD-2C	1	145 to 190 (1000 to 1310)				320 psig (2206 kPa)				
V48AE-1C	1-1/4	85 to 110 (586 to 758)				230 psig (1586 kPa)	STT17A-617R			
V48AE-2C	1-1/4	145 to 190 (1000 to 1310)				320 psig (2206 kPa)				
V48AF-1C	1-1/2	85 to 110 (586 to 758)				1/4 in. Male Flare Fitting (Style 5)	230 psig (1586 kPa)	STT17A-604R	SEP81A-602R	
V48AF-2C	1-1/2	145 to 190 (1000 to 1310)					320 psig (2206 kPa)			SEP81A-601R
V48AJ-2C	1/2					30 in. Capillary with 1/4 in. Flare Nut (Style 45)	Union	320 psig (2206 kPa)	STT15A-605R	SEP77A-605R
V48EK-2C	3/4					30 in. Capillary with 1/4 in. Flare Nut (Style 46)		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	

- Standard capillary length on Style 45 elements is 30 inches
- Replacement element supplied with 1/4 in. male SAE connector. Order SEC99AA capillary kit with two flare nuts separately if needed. Use only on valves specified.

Technical Specifications

V48 Series Factory Settings

Refrigerant (R)	Factory Settings psig (kPa)	
	Opening Press. Port 1 to Port 2	Closing Press. Port 1 to Port 3
Low Pressure (R-12, R134a, etc.)	95 (655)	120 (896)
Medium Pressure (R-22, R404A, etc.)	165 (1138)	215 (1482)