

Location:



# Water Temperature Limiting Valve, 5-225 / 5-230 Series Specification Submittal

### Model Numbers

- 5-225-CK-MS..... Valve, 1/2" male NPT, 1/2" sweat
- 5-225-CK-F..... Valve, 1/2" female NPT
- 5-225-CK-PEX.... Valve, 1/2" PEX
- 5-230-CK-M..... Valve, 3/4" male NPT
- 5-225-CK-FS..... Valve, 3/4" sweat

### Feature Highlights

- Thermostatic mixing valves with integral checks
- Brass and stainless steel internal components
- Dual stainless steel strainers for double protection against suspended particulate in supply lines.

Symmons Maxline™ valves are designed to perform to the following industry standards.

B-125.3-05/ASME A112.18.1-05  
1017 & 1070



### Options / Modifications

Append appropriate -suffix to model number

- NI Rough chrome finish
- W Wall mounting bracket
- B Wall cabinet, white enamel finish  
*includes wall mounting bracket*
- BT Wall cabinet, stainless steel cabinet  
*includes wall mounting bracket*
- X Separate stops (5-225-CK-MS only)

### Performance Specifications

#### Inlet water temperature:

HOT inlet range: 120°F - 180°F (48.9°C - 82.2°C)

COLD inlet range: 39°F - 85°F (3.9°C - 29.4°C)

#### Temperature control range:

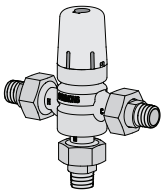
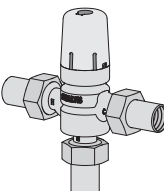
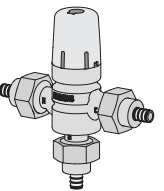
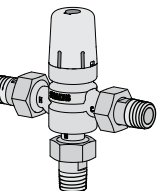
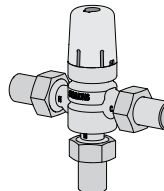
60°F - 140°F (15.6°C - 60°C)

Minimum supply pressure: 20 psi (138 kPa)

Maximum supply pressure: 150 psi (1034 kPa)

Inlet to outlet temperature differential: 10°F (5.55°C)

### Valve Models

5-225-CK-MS	5-225-CK-F	5-225-CK-PEX	5-230-CK-M	5-230-CK-FS
				
<b>Connections</b> <ul style="list-style-type: none"> <li>▪ 1/2" male NPT</li> <li>▪ 1/2" sweat</li> </ul>	<b>Connection</b> <ul style="list-style-type: none"> <li>▪ 1/2" female NPT</li> </ul>	<b>Connection</b> <ul style="list-style-type: none"> <li>▪ 1/2" PEX</li> </ul>	<b>Connection</b> <ul style="list-style-type: none"> <li>▪ 3/4" male NPT</li> </ul>	<b>Connection</b> <ul style="list-style-type: none"> <li>▪ 3/4" sweat</li> </ul>

### Flow Rate Specifications - gpm (L/min)

Valve Model	Minimum Flow Rate gallons/minute (liters/minute)	Pressure Differential - psi (kPa)					
		5 PSI (34 KPA)	10 PSI (69 KPA)	20 PSI (138 KPA)	25 PSI (172 KPA)	30 PSI (207 KPA)	45 PSI (310 KPA)
5-225-CK-MS	.5 gpm (1.9 L/min)	4.5 gpm (17 L/min)	7 gpm (26.5 L/min)	9.5 gpm (36 L/min)	10.5 gpm (39.8 L/min)	12 gpm (45.4 L/min)	14 gpm (53 L/min)
5-225-CK-F	.5 gpm (1.9 L/min)	4.5 gpm (17 L/min)	7 gpm (26.5 L/min)	9.5 gpm (36 L/min)	10.5 gpm (39.8 L/min)	12 gpm (45.4 L/min)	14 gpm (53 L/min)
5-225-CK-PEX	.5 gpm (1.9 L/min)	3.5 gpm (13.2 L/min)	5.5 gpm (20.8 L/min)	8 gpm (30.3 L/min)	8.5 gpm (32.2 L/min)	9.5 gpm (36 L/min)	12 gpm (45.4 L/min)
5-230-CK-M	.5 gpm (1.9 L/min)	5 gpm (19 L/min)	7 gpm (26.5 L/min)	10 gpm (37.9 L/min)	11 gpm (41.6 L/min)	12 gpm (45.4 L/min)	14 gpm (53 L/min)
5-230-CK-FS	.5 gpm (1.9 L/min)	5 gpm (19 L/min)	7 gpm (26.5 L/min)	10 gpm (37.9 L/min)	11 gpm (41.6 L/min)	12 gpm (45.4 L/min)	14 gpm (53 L/min)

**Dimensions** Symmons Maxline™ Water Temperature Limiting Valves, 5-225 / 5-230 Series

