

Flow Rates and Sizing

FLOW RATE - gpm (L/min)								
Valve Model	Size Connection	Min Flow Rate	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)
7-210-CK	3/8" compression (10mm)	0.5 gpm (1.9 L/min)	1 gpm (3.8 L/min)	2 gpm (7.6 L/min)	3 gpm (11.4 L/min)	3.5 gpm (13.2 L/min)	4 gpm (15.1 L/min)	5 gpm (18.9 L/min)
7-225-CK-MS	1/2" male NPT 1/2" female sweat (13mm)	0.5 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)
7-225-CK-F	1/2" female NPT (13mm)	0.5 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)
7-225-CK-PEX	1/2" PEX (13mm)	0.5 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)
7-230-CK-M	3/4" male NPT (19mm)	0.5 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)
7-230-CK-FS	3/4" female sweat (19mm)	0.5 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)

Proper Sizing

Thermostatic water controllers should be sized according to the flow capacity required from the valve, NOT the pipe size supplied to the valve. The pressure differential shown above represents the actual pressure drop across the valve to produce a given flow rate. The frictional loss associated with the valve is incorporated into the flow rate figures. For assistance and technical support in sizing and selection of the proper Maxline Thermostatic Water Temperature Limiting Device, consult your local representative or Symmons Customer Service Department at 1-800-SYMMONS.