

THIS SPACE FOR DESIGNER/ENGINEER APPROVAL

Job/Customer _____	Date _____	Contractor _____
Model Specified _____	Qty _____	Approved By _____
Designer/Engineer _____	Date _____	Contractor's PO# _____
Submitted by _____	Date _____	Other _____

7810W Series

Thermostatic Mixing Valve

w/ Temperature Locking Handle (95-131 °F Models)

Press

Suitable for Low-Temp Hydronic
& Water Distribution Systems

Lead Free · 150 PSI Max Working Pressure



ASSE 1017
CSA B125.3
NSF/ANSI 61, NSF/ANSI 372

ITEM #	SIZE	CTN	CASE	A (in.)	B (in.)	C (in.)	D (in.)
Output Temperature : 95 - 131°F (35 - 55°C)							
78102W	½"	1	10	5.75	6.56	3.56	1.56
78103W	¾"	1	10	6.00	7.06	3.75	1.56
78104W	1"	1	10	6.00	7.06	3.75	1.56
Output Temperature : 95 - 120°F (35 - 49°C)							
78102W-CAN	½"	1	10	5.75	6.56	3.56	1.56
78103W-CAN	¾"	1	10	6.00	7.06	3.75	1.56
78104W-CAN	1"	1	10	6.00	7.06	3.75	1.56

*Dimensions for reference only



Hot Inlet Temperature Range	120 - 185°F (49 - 85°C)
Cold Inlet Temperature Range	39 - 80°F (4 - 27°C)
Outlet Temperature Stability ¹	± 5°F (3°C)
Working Pressure Range	30 - 150 psi (2 - 10 bar)
Minimum Temperature Differential Between Hot Supply and Mixed Outlet ²	20°F (11°C)
Maximum Inlet Pressure Ratio ³	2:1
Minimum Flow Rate for optimal performance	0.5 gpm (2 L/min)
C _v	2.5

1. As tested in accordance with ASSE 1017.
2. Required minimum temperature difference between the mixed outlet and the hot supply to enable the valve to function correctly and ensure automatic reduction of outlet flow in the event of cold supply failure.
3. Maximum permitted variation in Hot/Cold or Cold/Hot supply pressure in order to control the outlet temperature to within ± 5°F. Excessive fluctuation in supply pressures may cause outlet temperature to be outside of specified tolerance.

*Product meets low lead requirements and is constructed of materials containing a lead content of less than 0.25% by weight.

*Base TMV unit (70000W) certified by CSA to ASSE 1017, CSA B125.3, NSF/ANSI 61, and NSF/ANSI 372

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