



H-TMV-176-Y - Y-Pattern Thermostatic Mixing Valves - 176 Max Temp

H-7x27W-Y Series

Y-Pattern Thermostatic Mixing Valve

In-Line DZR Brass Valve w/ Angled Cold Inlet
 Locking Handle, (3) DZR Brass G-Series Unions
 w/ Integral Check Valves on Inlets
 For High Temperature Hydronic Applications
 Outlet Temperature Range 104°- 176°F

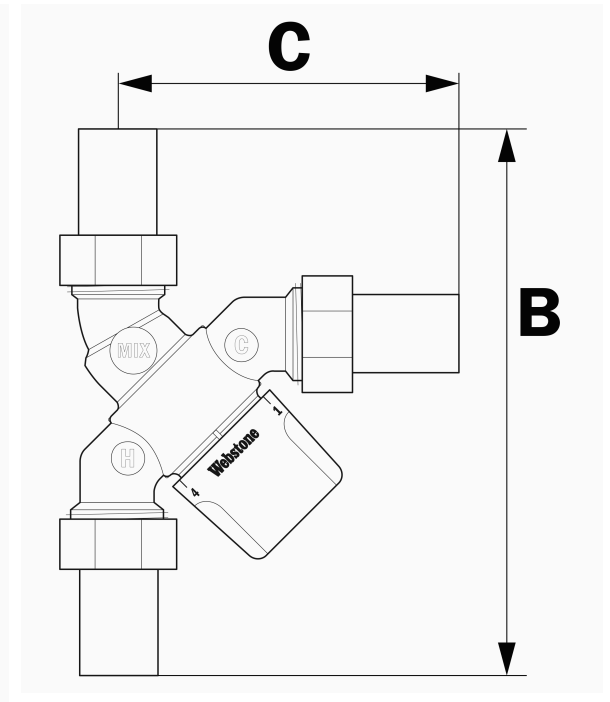
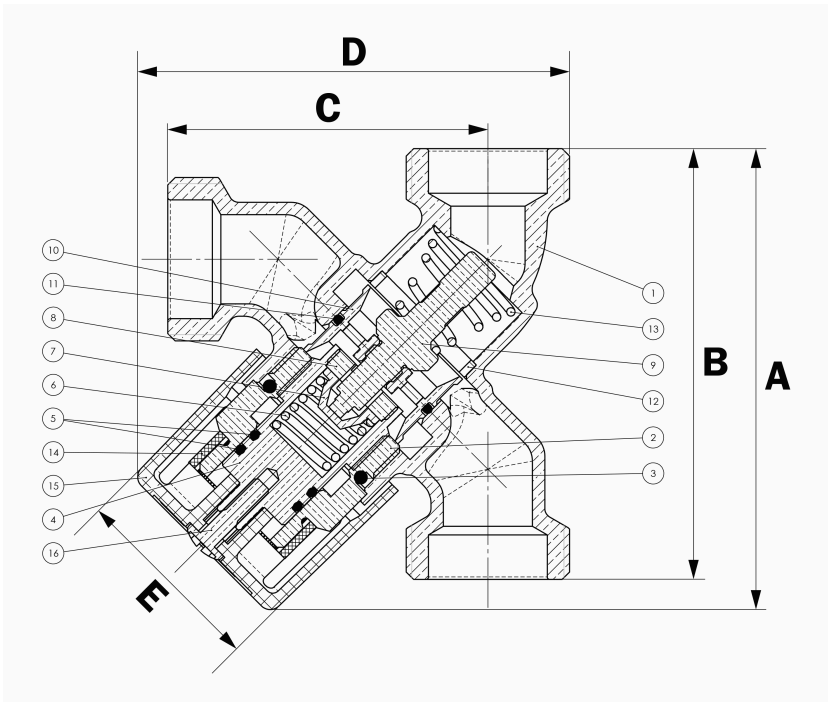
Certifications

Certified to NSF/ANSI/CAN 61 & 372, ASSE
 1017, CSA B125.3 - Applies to body
 H-70070W-Y

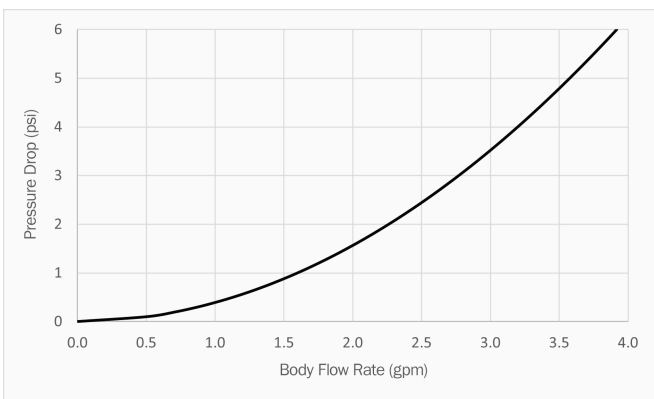
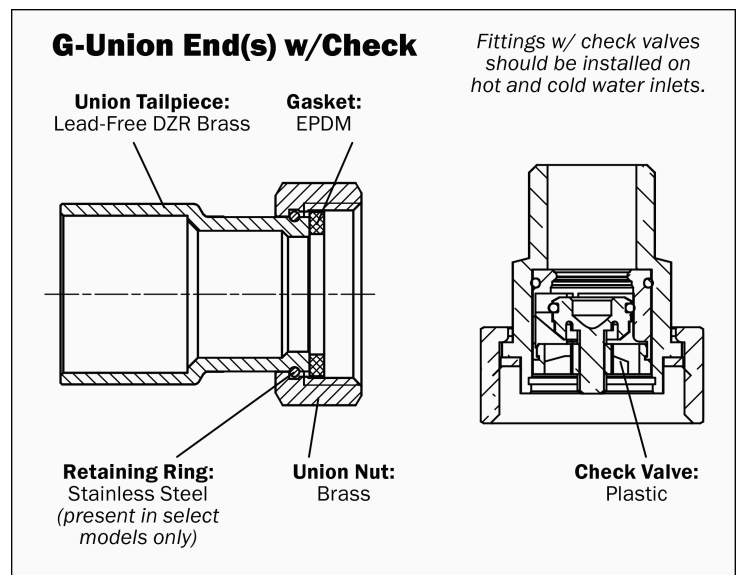


Size (in)	Item#	Weight (lbs)	CTN Qty	Case Qty	A	B	C	D	E	Cv		
F1807 PEX											150 PSI CWP Max	203°F Max
1/2"	H-71272W-Y	2.00	1	10	3.66	6.44	3.97	3.50	1.50	1.6		
3/4"	H-71273W-Y	2.02	1	10	3.66	6.44	3.97	3.50	1.50	1.6		
F1960 PEX											150 PSI CWP Max	203°F Max
1/2"	H-73272W-Y	1.84	1	10	3.66	6.54	4.02	3.50	1.50	1.6		
3/4"	H-73273W-Y	1.85	1	10	3.66	7.02	4.26	3.50	1.50	1.6		
FIP											150 PSI CWP Max	203°F Max
1/2"	H-72272W-Y	2.16	1	10	3.66	6.42	3.96	3.50	1.50	1.6		
3/4"	H-72273W-Y	2.18	1	10	3.66	6.32	3.91	3.50	1.50	1.6		
1"	H-72274W-Y	2.46	1	10	3.66	6.44	3.97	3.50	1.50	1.6		
MIP											150 PSI CWP Max	203°F Max
1/2"	H-74272W-Y	1.86	1	10	3.66	6.64	4.07	3.50	1.50	1.6		
3/4"	H-74273W-Y	1.86	1	10	3.66	6.62	4.06	3.50	1.50	1.6		
1"	H-74274W-Y	2.25	1	10	3.66	6.70	4.10	3.50	1.50	1.6		
Press											150 PSI CWP Max	203°F Max
1/2"	H-78272W-Y	1.97	1	10	3.66	7.84	4.67	3.50	1.50	1.6		
3/4"	H-78273W-Y	2.17	1	10	3.66	8.18	4.84	3.50	1.50	1.6		
1"	H-78274W-Y	2.21	1	10	3.66	8.66	5.08	3.50	1.50	1.6		
SWT											150 PSI CWP Max	203°F Max
1/2"	H-75272W-Y	1.86	1	10	3.66	6.22	3.86	3.50	1.50	1.6		
3/4"	H-75273W-Y	1.91	1	10	3.66	6.70	4.10	3.50	1.50	1.6		
1"	H-75274W-Y	2.17	1	10	3.66	6.92	4.21	3.50	1.50	1.6		





NO.	DESCRIPTION	MATERIAL
1	Body	LF DZR Brass
2	Cap	LF Brass
3	O-Ring	EPDM
4	Spindle	LF Brass
5	O-Ring	EPDM
6	Spindle Spring	Stainless Steel
7	Small Piston	LF Brass
8	Metal Ring	LF Brass
9	Element	Wax Filled copper
10	Piston	LF Brass
11	O-ring	EPDM
12	Gasket	PTFE
13	Spring	Stainless Steel
14	Locking Ring	Resin
15	Yellow Cap	Plastic
16	Screw	Steel
17	G-Union Ends w/Check	See Inset



Hot Inlet Temperature Range	120 - 203°F (49 - 95°C)
Cold Inlet Temperature Range	39 - 80°F (4 - 27°C)
Working Pressure Range	30 - 150 psi (2 - 10 bar)
Minimum Temperature Differential	20°F (11°C)
Between Hot Supply and Mixed Outlet ¹	
Maximum Inlet Pressure Ratio ²	2:1
Minimum Flow Rate for optimal performance	0.5 gpm (2 L/min)
C _v	1.6
1. 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. 2. 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.	

Specifications: Designed for use with water, oil, glycol mix in residential or commercial plumbing and heating systems. Threaded (NPT) ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Do not silver braze or overheat valves when soldering. EPDM o-rings for press ends. PEX ends are in accordance with the referenced ASTM specification; refer to tubing manufacturer for installation instructions.

REV:3/28/2025

LEAD-FREE: Weighted average lead content ≤ 0.25%

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WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov