

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 _____

7420W-7520W Series

Thermostatic Mixing Valve w/ Integral Check Valve

& Temperature Locking Handle (95-131°F Models)

**Suitable for Point of Use, Low-Temp Hydronic
& Water Distribution Systems**

Lead Free · 150 PSI Max Working Pressure



ASSE 1070, 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)							
74202W	1/2"	1	10	5.22	5.60	3.06	1.56
74203W	3/4"	1	10	5.26	5.66	3.12	1.56
74204W	1"	1	10	5.69	6.50	3.52	1.56
75202W	1/2"	1	10	5.15	5.44	3.00	1.56
75203W	3/4"	1	10	5.22	5.58	3.06	1.56
75204W	1"	1	10	5.80	6.69	3.63	1.56
Output Temperature : 95 - 120°F (35 - 49°C)							
74202W-CAN	1/2"	1	10	5.22	5.60	3.06	1.56
74203W-CAN	3/4"	1	10	5.26	5.66	3.12	1.56
74204W-CAN	1"	1	10	5.69	6.50	3.52	1.56
75202W-CAN	1/2"	1	10	5.15	5.44	3.00	1.56
75203W-CAN	3/4"	1	10	5.22	5.58	3.06	1.56
75204W-CAN	1"	1	10	5.80	6.69	3.63	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.

Webstone
VALVE INNOVATION

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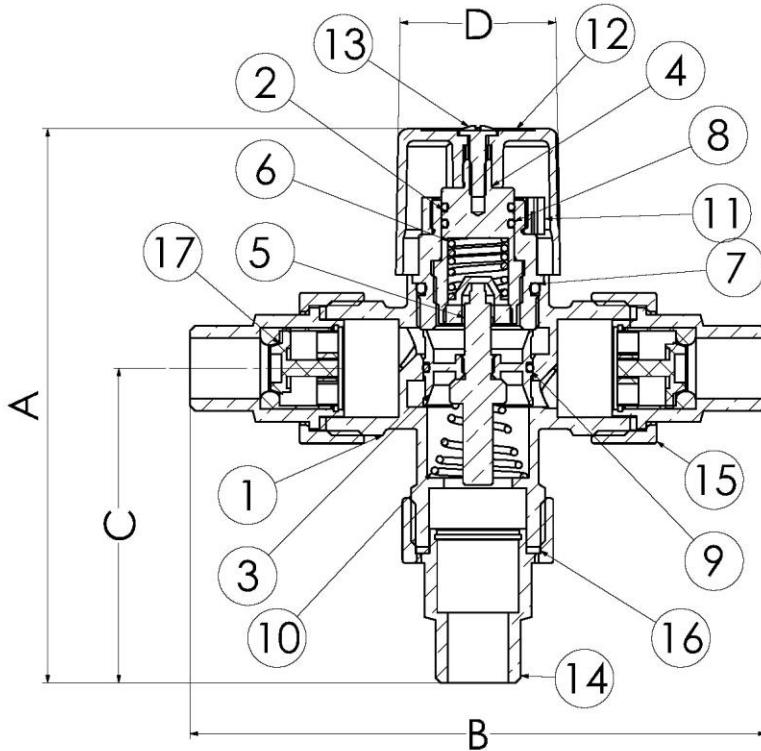
www.webstonevalves.com · Tel: (800) 225-9529 · Fax (800) 336-5133

Webstone product specifications in U.S. customary units are approximate and are provided for reference only. Webstone reserves the right to change or modify product design, construction, specifications or materials without prior notice and without incurring any obligation to make such changes and modifications on Webstone products previously or subsequently sold.

7420W-7520WSpec_1024016

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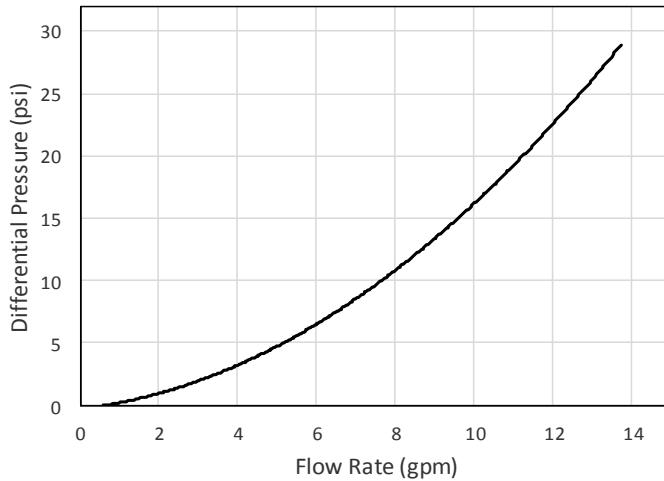
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MIP (7420W) / SWT (7520W)

NO.	DESCRIPTION	MATERIAL
1	BODY	BRASS
2	END CAP	BRASS
3	PISTON	BRASS HCP
4	SPINDLE	BRASS
5	ELEMENT	WAX FILLED COPPER
6	SPINDLE SPRING	STAINLESS STEEL
7	O-RING	EPDM
8	O-RING	EPDM
9	O-RING	EPDM
10	SPRING	STAINLESS STEEL
11	LOCKING RING	PLASTIC
12	ADJUSTMENT CAP	PLASTIC
13	LOCKING SCREW	STAINLESS STEEL
14	UNION FITTING (MIP or SWT)	BRASS
15	UNION NUT	BRASS
16	GASKET	FIBRE H
17	CHECK VALVE	PLASTIC

Flow Rate by Pressure Differential



*For reference only, actual flows may vary depending on system temperatures and pressures.

Specifications: Designed for residential or commercial use. Threaded ends comply with ANSI B1.20.1. Solder joint temperature ratings are per ASME B16.18 Annex A for 95-5 solder. Other solder materials have lower pressure/temperature limits. **Do not silver braze or overheat valves when soldering.**

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