

**Haws®**

model **TWBS.SHE**  
AXION® Thermostatic Mixing Valves

## FEATURES & BENEFITS

### BYPASS

Best-in-class cold water bypass flow (68% of rated tempered water flow) means continued protection under adverse conditions.

### POSITIVE SHUT OFF

Actively suspends hot water flow when cold water supply is lost to protect against scalding.

### PRESSURE DROP

Lowest internal pressure drop for this valve class – essential where supply pressure is low.

### OPERATING RANGE

Minimal outlet temperature variation is achieved by having the best minimum flow rate in the industry.

### SHUTTLE DESIGN

Superior shuttle design combined with premium material selection eliminates valve binding and reduces maintenance costs.

### MIXING CHAMBER

Innovative funnel design generates turbulent flow to ensure consistent temperature blending across entire flow range.

### LEAD FREE

Certified to NSF61 and California Health and Safety Code 116875 (AB 1953-2006).

### FLOW RATES

Flow range of 1 to 74 gpm (280 L) provides service for multiple emergency combination showers or multiple eyewashes to reduce hardware costs.

### ANTI-SCALD PROTECTION

Redundant anti-scald protection; primary protection comes from the main tempering valve. An additional high temperature shut-off valve provides a secondary level of protection; the internal cold water bypass takes over to supply cold water in the event of a hot water pressure loss or main tempering valve failure.

### MEDICALLY SUPERIOR RESPONSE

AXION's superior design and technology provide a complete safety solution for increased victim comfort.

### EXTENDED WARRANTY

3-year extended warranty based on superior engineering and best-in-class material selection means reliable protection you can trust for the long term.



## SPECIFICATIONS

### Model TWBS.SHE - Thermostatic Mixing Valve (patent pending)

	MAXIMUM	MINIMUM
Flow Rate	74 GPM	280 LPM
Hot Inlet Temperature	180° F	82° C
Recommended Hot Inlet Temperature	140° F	60° C
Cold Inlet Temperature	70° F	21° C
Adjustable Outlet Temperature Range	85° F	29° C
Operating Pressure	125 PSI	8.6 BAR
Factory Temperature Set Point	85° F	29° C
Cold Water Bypass	50 GPM	189 LPM @ 30 PSI

Inlet Ports: 1-1/4" NPT(f) Outlet Port: 1-1/4" NPT(F)

Maximum Inlet Pressure Differential: +/- 10%

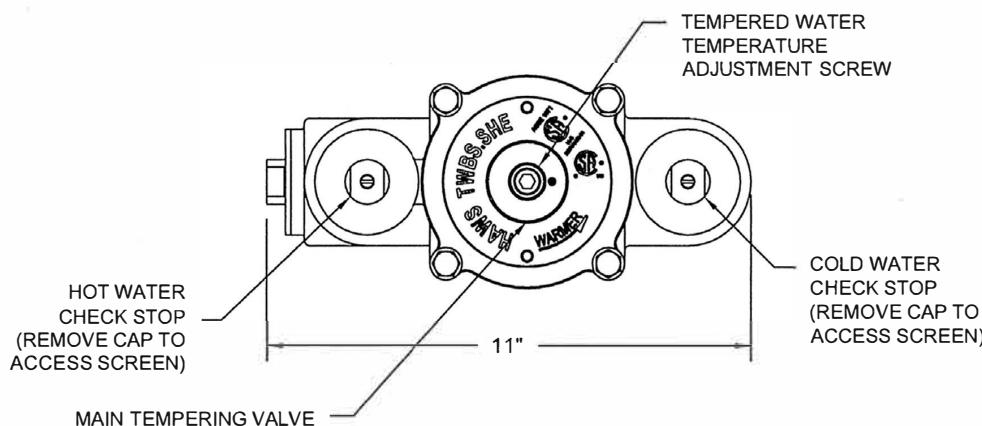
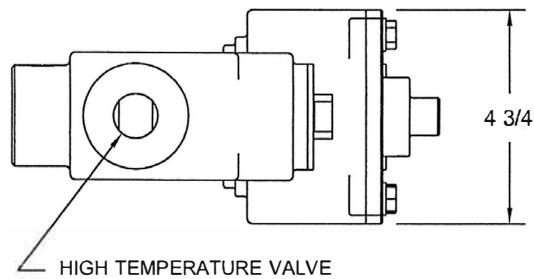
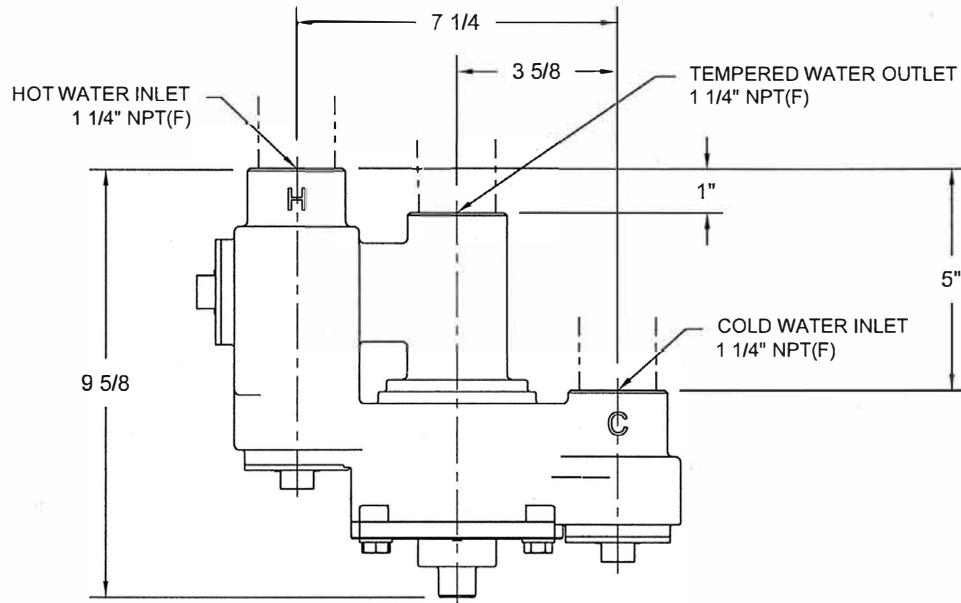
Listings: ASSE 1071, ANSI Z358.1, CSA B125.3, NSF/ANSI 61-section 8, NSF/ANSI 372, California Health and Safety Code 116875 (AB 1953-2006).

## FLOW CAPACITIES

MODEL	INLET	OUTLET	MINIMUM FLOW	INTERNAL COLD WATER BY-PASS AT 30PSI DROP	PRESSURE DROP							
					5	10	15	20	30	45	60	PSI
TWBS.SHE	1-1/4"	1-1/4"			.345	.689	1.03	1.38	2.07	3.10	4.13	BAR
					1	50	30	43	52	60	74	91
			4	189	114	163	197	227	280	344	397	L/MIN



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MAKE SPECIFICATIONS AND MEASUREMENTS SUBJECT TO CHANGE WITHOUT NOTICE.



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ECN NO.	REVISED PER	BY:	MODEL(S)	PART NUMBER
4396	ECN 4396	VWC	TWBS.SHE	0002080226.D
DRAWN:	DATE:	CHKD:		DRAWING NO. REV
VWC	8/13/10	V		15965A 4
APPROVED:	DATE:		SCALE: 1:4	DRAWING TYPE: INSTALLATION
				SIZE: A SHEET 1 OF 1