



# 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

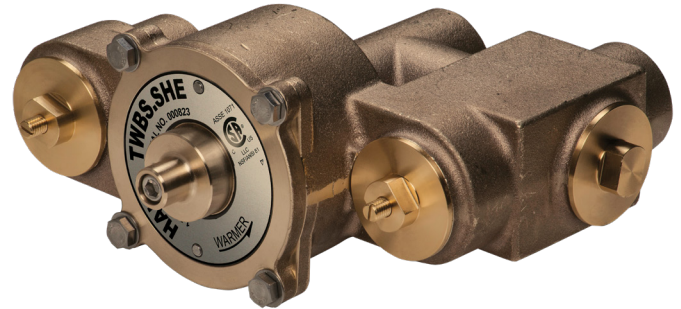
Redundant anti-scald protection; primary protection comes from the main tempering valve. An additional high temperature shut-off valve provides a secondary level of protection; the internal cold water bypass takes over to supply cold water in the event of a hot water pressure loss or main tempering valve 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	1 GPM	4 LPM
Hot Inlet Temperature	180° F	82° C	120° F	49° C
Recommended Hot Inlet Temperature	140° F	60° C		
Cold Inlet Temperature	70° F	21° C	40° F	4° C
Adjustable Outlet Temperature Range	85° F	29° C	60° F	16° C
Operating Pressure	125 PSI	8.6 BAR		
Factory Temperature Set Point	85° F	29° C		
Cold Water Bypass	50 GPM	189 LPM @ 30 PSID		

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

Maximum Inlet Pressure Differential: +/- 10%

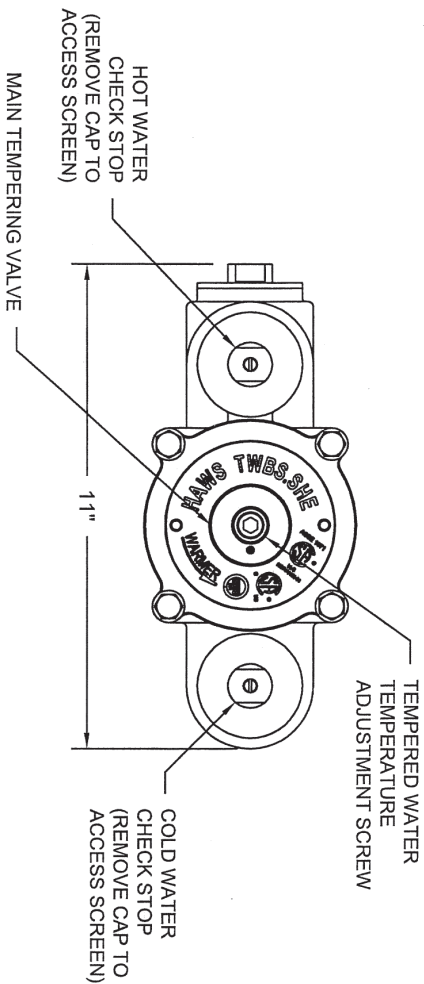
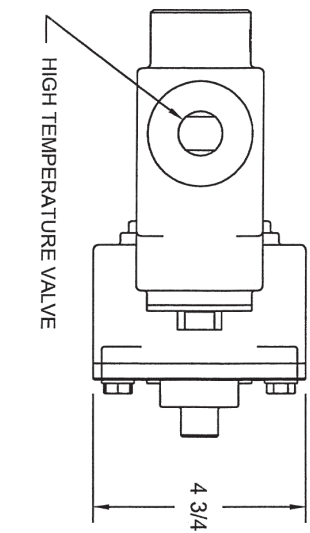
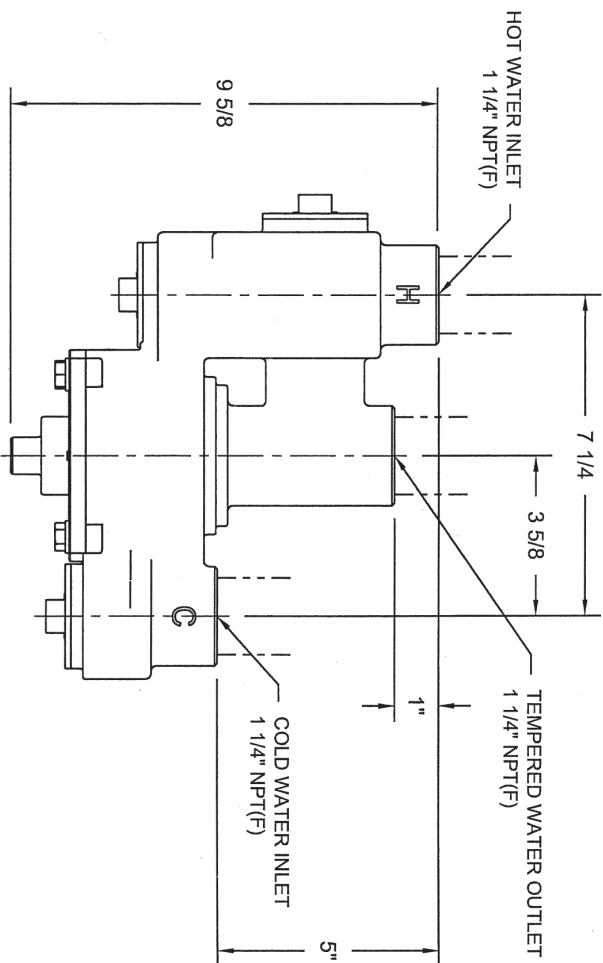
Listings: ASSE 1071, ANSI Z358.1, CSA B125.3, NSF/ANSI 61-section 8, NSF/ANSI 372, California Health and Safety Code 116875 (AB 1953-2006).

## 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"	1	50	.345	.689	1.03	1.38	2.07	3.10	4.13	BAR		
					30	43	52	60	74	91	105	GPM		
					4	189	114	163	197	227	280	344	397	L/MIN



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**Haws**

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ENCL. REVISION PER: DATE MODEL(S)

DRAWN: ENCL. 252 DATE TWBS.SHE

APPROVED: DATE TWBS.SHE

TWBS.SHE

PART NUMBER 0002080226 D

DRAWING NO. 15965A

REV 4

SCALE: 1:4

DRAWING TYPE: INSTALLATION

SIZE: A 1 SHEET 1 OF 1

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