



model 9201E

AXION® Thermostatic Mixing Valves

FEATURES & BENEFITS

BYPASS

Best-in-class cold water bypass flow (65% 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.

TEMPERATURE MANAGEMENT

Paraffin-based thermal actuation technology keeps outlet temperature within tight specifications to prevent scalding and hypothermia.

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.

DEPOSITS RESISTANT

Lime and calcium resistant materials used throughout prevent valve sticking and provide a long service life.

FLOW RATES

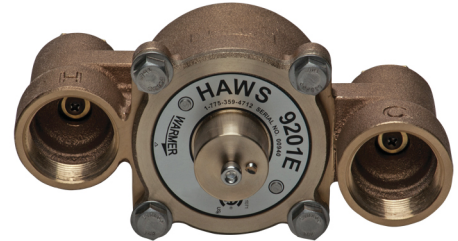
Flow range of 1 to 31 GPM (117.3 L) provides service for one emergency combination shower or multiple eyewashes, reducing complexity and hardware costs.

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 9201E - Thermostatic Mixing Valve (patent pending)

	MAXIMUM		MINIMUM	
Flow Rate	31 GPM	117 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	90° F	32° C	60° F	16° C
Operating Pressure	125 PSI	8.6 BAR		
Factory Temperature Set Point	85° F	29° C		
Cold Water Bypass	20 GPM	76 LPM @ 30 PSI		

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

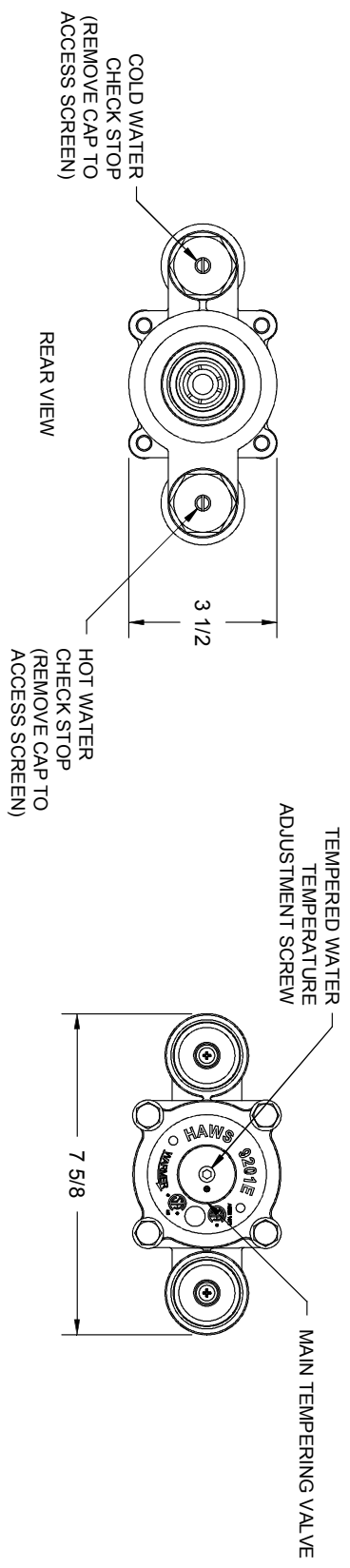
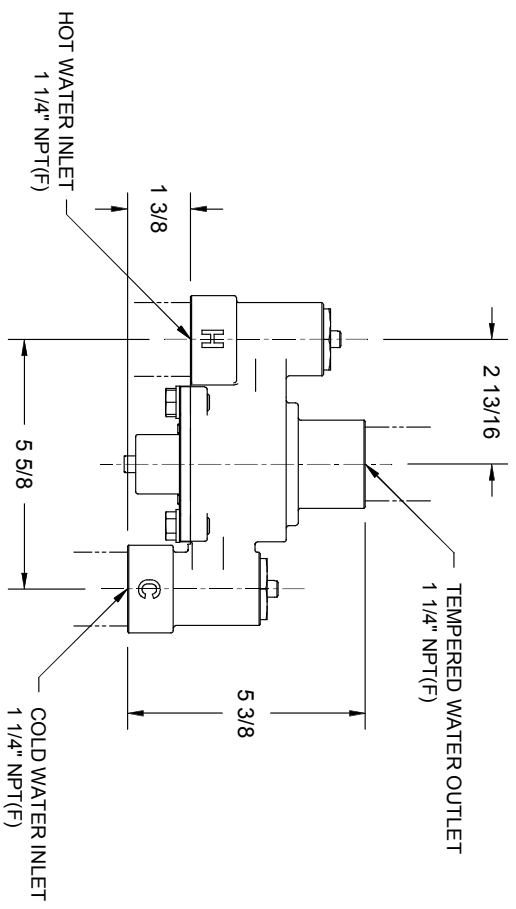
Maximum Inlet Pressure Differential: +/- 10%

Listings: CSA certified per ASSE 1071, ANSI Z358.1, and applicable sections of CSA B125.3.

FLOW CAPACITIES

MODEL	INLET	OUTLET	MINIMUM FLOW	INTERNAL COLD WATER BY-PASS AT 30PSI DROP	PRESSURE DROP							
9201E	1-1/4"	1-1/4"			5	10	15	20	30	45	60	PSI
					.345	.689	1	1.38	2.07	3.10	4.13	BAR
			1	20	13	18	22	25	31	38	44	GPM
			4	76	48	68	83	96	117	144	166	L/MIN





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ECONOMY REVISION PER BY		MODEL(S)	
4305	ECN-4872	HML	9201E
DRAWN	DATE	CHK'D	
WVC	9/7/10		
APPROVED	DATE	SCALE	1/4"
		DRAWING TYPE	INSTALLATION
		SIZE	A
		SHEET	1 OF 1
PART NUMBER		0002080233.D	
DRAWN BY		REV	
16052A		5	