

## FEATURES & BENEFITS

### BYPASS

Highest Cold Water Bypass flow rate by class in the industry (65% of the rated tempered water flow rate).

### PRESSURE DROP

Lowest internal pressure drop for this class of valve translates into a significant advantage in installations where the supply pressure is low.

### OPERATING RANGE

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

### SHUTTLE DESIGN

Valve binding, which is common in the industry, is virtually eliminated by material selection and advanced shuttle design.

### MIXING CHAMBER

Efficient funnel design with turbulent hot water passages to improve mixing at low flow rates and to enhance temperature control.

### DEPOSITS RESISTANT

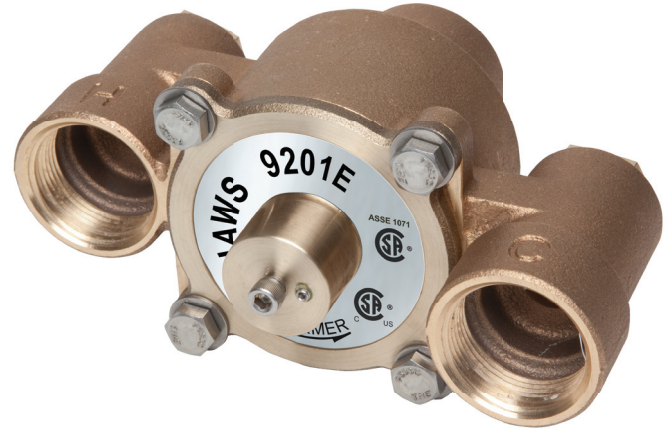
Lime and Calcium resistant components are used throughout the construction.

### FLOW RATES

With a flow range of 1 to 31 GPM, this valve can be used for multiple eyewashes or for an emergency shower.

### EXTENDED WARRANTY

Superior engineering incorporated into this product carries an extended 3-year warranty.



## SPECIFICATIONS

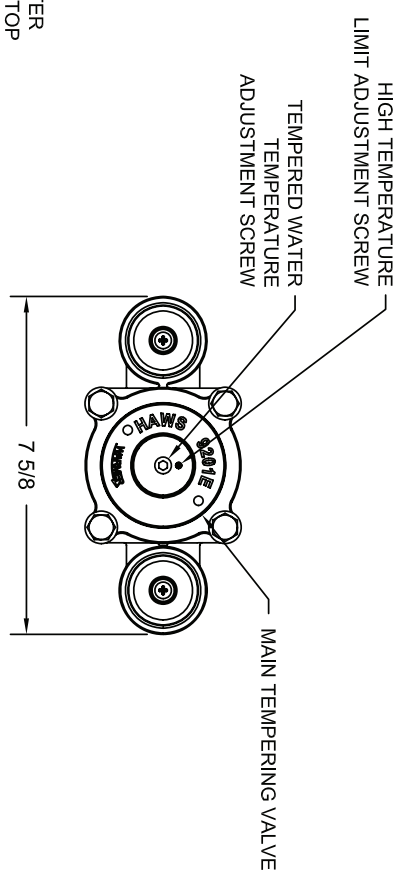
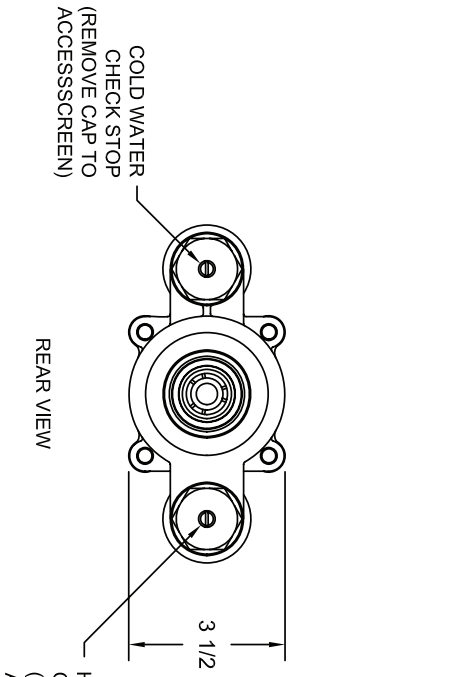
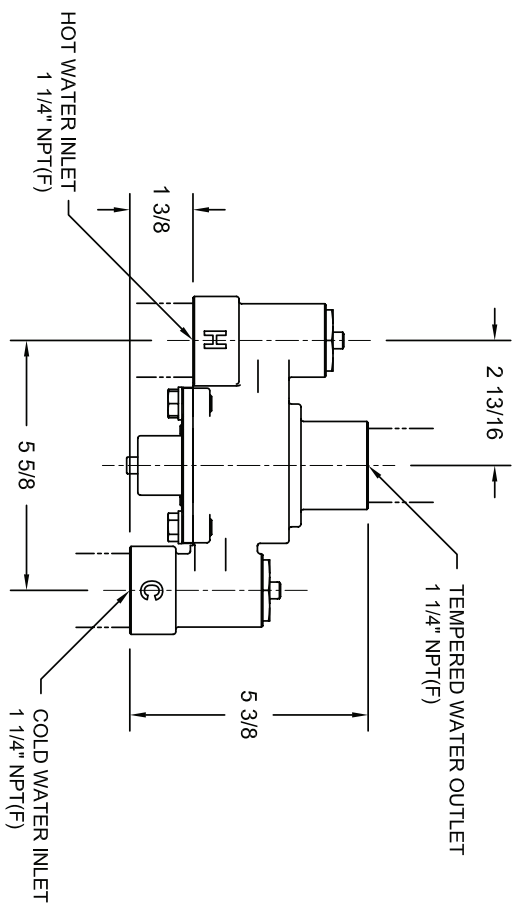
Model 9201E (patent pending) is a thermostatic mixing valve that mixes hot and cold water to supply tempered water to emergency shower and eyewash fixtures requiring flow up to 31 GPM. Unit employs a paraffin-filled thermostatic mixing element. Lowest internal pressure drop in this class of valve, and a high Cold Water Bypass flow rate of 20 GPM. A 0.4 GPM hot water flow occurs if cold supply fails. The modular, brass design with a one-piece casting uses internal check stops, oversized valve seats, a shuttle design that eliminates valve sticking, and a funnel design to improve temperature control with better mixing at low flow rates. Lime and calcium resistant components are used throughout. The outlet temperature factory setting is 85°F (26°C). Maximum operating pressure: 125 psi. Temperature adjustment range 60-95°F (15-35°C). Maximum inlet temperature: 180°F (82°C). Recommended inlet temperature: 140°F (60°C). Minimum inlet temperature: 120°F (49°C) Inlets 1-1/4" NPT(F). Outlet 1-1/4" NPT(F).

Listings: ASSE 1071 and CSA B125.3.

## FLOW CAPACITIES

MODEL	INLET	OUTLET	MINIMUM FLOW	INTERNAL COLD WATER BY-PASS AT 30PSI DROP	PRESSURE DROP										
					1	2	5	10	15	20	25	30	45	60	PSI
9201E	1-1/4"	1-1/4"			.069	.138	.345	.689	1.03	1.38	1.72	2.07	3.10	4.13	BAR
			1	20	5.7	8	12.7	17.9	21.9	25.3	28.3	31	40	43.8	GPM
			4	76	22	30	48	68	83	96	107	117	151	166	L/MIN

THIS DOCUMENT IS TRUE AND CORRECT AT TIME OF PUBLICATION. CONTINUED PRODUCT IMPROVEMENTS MAKE SPECIFICATIONS AND MEASUREMENTS SUBJECT TO CHANGE WITHOUT NOTICE.



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EGN NO. REVISED PER BY: 4380 L ENK. DWN. 9/17/11 MWC APPROVED:	MODEL(S) 9201E	PART NUMBER 0002080233.D DRAWING NO. 16052A REV 1
SCALE: 1:1 DRAWING TYPE: INSTALLATION SIZE: A SHEET 1 OF 1		

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