The Haws® line of AXION® thermostatic mixing valves are designed specifically for tempered water blending in emergency equipment.

AXION® TEMPERED WATER...
...the Medically Superior Response

Model S201H
- Lead free brass design for emergency shower and eyewash fixtures.
- Hot inlet temp: 180° F (82° C) max, 120° F (49° C) min
- Cold inlet temp: 70° F (21° C) max, 40° F (4° C) min
- Redundant anti-scald protection with additional hot shut-off valve providing secondary level of protection.
- CSA Certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

Model TWBS.EWE
- Lead free brass design for emergency eyewash fixture.
- Flow Rate: 12 GPM (45 LPM) max, 1 GPM (4 LPM) min
- Hot inlet temp: 180° F (82° C) max, 120° F (49° C) min
- Cold inlet temp: 70° F (21° C) max, 40° F (4° C) min
- Redundant anti-scald protection with additional hot shut-off valve providing secondary level of protection.
- CSA Certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

FLOW CAPACITIES

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<th>S201H</th>
<th>TWBS.EWE</th>
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US/Canada
Haws HQ • www.hawsco.com • +1.888.648.4297
Mexico/ Central America
Haws HQ • www.hawsco.com • +1.775.359.4712
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Asia Pacific
Haws Singapore • www.haws.sg • +65.6367.0359
Europe/Middle East/Africa
Haws Switzerland • www.haws.ch • +41 (0) 34.420.6000
AXION THERMOSTATIC MIXING VALVES

All of the AXION thermostatic mixing valves are an accumulator, bellows design construction with a

one-piece casting that uses internal check stops, oversized valve seats, and a shuff le design that

virtually eliminates valve binding. AXION’s

superior design and technology provide

virtually complete safety solutions for increased

victims comfort.

FEATURES & BENEFITS

• Reduced internal pressure drop for this class of valve

• Custom shuff le design to virtually eliminate valve binding

• Offering NSF/ANSI 61 and AB1953; reduction of lead content, compliance in select models

• Funneled design improves temperature control with better mixing of hot flow rates

• Highest Cold Water Bypass flow rates by class in the industry

• Actively suspends hot water when cold water supply is lost by bypassing against scaling

• Lime- and calcium-resistant components used throughout the construction

• Extended 3-year warranty

MODEL

Model S221E

For emergency eyewash and shower fixtures.

• Flow Rate: 12 GPM (45 LPM) max, 1 GPM (4 LPM) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min

• Pressure sensing diverter valve provided that sends a pressure signal to open cold water bypass valve if hot water loses pressure

• Triple redundant anti-scald protection

• CSA certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

FLOOR CAPACITIES

FLOW PRESSURE DROP

WATER BY-PASS

INTERNAL COLD

MODEL

Model S22E

For emergency eyewash and shower fixtures.

• Flow Rate: 31 GPM (117 LPM) max, 1 GPM (4 LPM) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min

• CSA Certified to ASSE 1071 and applicable section of CSA B125.3.

FLOOR CAPACITIES

FLOW PRESSURE DROP

WATER BY-PASS

INTERNAL COLD

MODEL

Model S22EFE

For emergency eyewash and shower fixtures.

• Flow Rate: 78 GPM (295 LPM) max, 1 GPM (4 LPM) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min

• Pressure sensing diverter valve provided that sends a pressure signal to open cold water bypass valve if hot water loses pressure

• Triple redundant anti-scald protection

• CSA certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

FLOOR CAPACITIES

FLOW PRESSURE DROP

WATER BY-PASS

INTERNAL COLD

MODEL

Model TWBS.6HE

Leads-free brass design for emergency eyewash and shower fixtures.

• Flow Rate: 78 GPM (295 LPM) max, 1 GPM (4 LPM) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min

• Redundant anti-scald protection with additional hot water shut-off valve providing secondary level of protection

• CSA certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

FLOOR CAPACITIES

FLOW PRESSURE DROP

WATER BY-PASS

INTERNAL COLD

MODEL
**Funnel design improves temperature control, lead content, compliance in select models**

• Custom shuttle design to virtually eliminate valve binding.

• Highest Cold Water Bypass flow rate by class in the industry.

• Lowest internal pressure drop for this class.

• Oversized valve seats, and a shuttle design that virtually eliminates valve binding.

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

**FEATURES & BENEFITS**

- Reduced internal pressure drop for the class of valve.
- Custom shuttle design to virtually eliminate valve binding.
- Offering HF 371 and AB1953 reduction of lead content compliance in select models.
- Funnel design improves temperature control with better mixing of hot flow rates.

**CSA Certifi ed to ASSE 1071 and applicable sections of CSA B125.3.**

**Model 9201E**

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Flow Rate: 31 GPM (117 LPM) max, 1 GPM (4 LPM) min

For emergency shower and eyewash fixtures.

**Model 9201EW**

• Cold Inlet Temp: 65° F (18° C) max, 40° F (4° C) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Flow Rate: 10 GPM (38 LPM) max, 1 GPM (4 LPM) min

For emergency eyewash fixtures.

**Model 9201EFE**

• Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min

• Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

• Flow Rate: 78 GPM (295 LPM) max, 1 GPM (4 LPM) min

For emergency eyewash and shower fixtures.

**Model TW50.5HE**

- Intellirisk design for emergency eyewash and shower fixtures.

- Flow Rate: 36 GPM (136 LPM) max, 1 GPM (4 LPM) min

- Cold Inlet Temp: 65° F (18° C) max, 40° F (4° C) min

- Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min

- Flow Rate: 36 GPM (136 LPM) max, 1 GPM (4 LPM) min

- Redundant anti-scald protection with additional hot water shut-off valve providing secondary level of protection.

- Triple redundant anti-scald protection.

- CSA certified to AB1953, CSA B125.3, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

**FLOW CAPACITIES**

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<th>Model</th>
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<th>OUTLET 1-1/4&quot;</th>
<th>CUSTOM WATER BY-PASS AT 30PSI DROP</th>
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### AXION THERMOSTATIC MIXING VALVES

All of the AXION thermostatic mixing valves are a modular, brass design construction with a one-piece casting that uses internal check stops, oversized valve seats, and a shuffl e design that virtually eliminates valve binding. AXION’s superior design and technology provide a complete safety solution for increased victim comfort.

#### FEATURES & BENEFITS
- **Custom shuttle design** to virtually eliminate lead content, compliance in select models.
- **Lime and calcium resistant components** used throughout the construction.
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 12 GPM (45 LPM) max, 1 GPM (4 LPM) min

#### MODEL 9201E
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 31 GPM (117 LPM) max, 1 GPM (4 LPM) min

#### MODEL 9201EFE
For emergency eyewash and shower fixtures.
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 10 GPM (38 LPM) max, 1 GPM (4 LPM) min

#### MODEL 9201EW
For emergency eyewash fixtures.
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 12 GPM (45 LPM) max, 1 GPM (4 LPM) min

#### Model TWBS.HF
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 12 GPM (45 LPM) max, 1 GPM (4 LPM) min

#### Model TWBS.SHE
- **Cold Inlet Temp:** 70° F (21° C) max, 40° F (4° C) min
- **Hot Inlet Temp:** 180° F (82° C) max, 120° F (49° C) min
- **Flow Rate:** 12 GPM (45 LPM) max, 1 GPM (4 LPM) min

#### TECHNICAL SPECIFICATIONS
- **Flow rate:** 31 GPM (117 LPM) max, 1 GPM (4 LPM) min
- **Pressure sensing diverter valve provided that sends a pressure signal to open cold water bypass valve if hot water loses pressure
- **Redundant anti-scald protection with additional hot water shut-off valve providing secondary level of protection
- **CSA certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

### FLOW CAPACITIES

#### MODEL 9201E

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The Haws® line of AXION® thermostatic mixing valves are designed specifically for tempered water blending in emergency equipment.

**AXION® TEMPERED WATER...**
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**Model 9201H**
- Lead-free brass design for emergency shower and eyewash fixtures.
- Flow Rate: 31 GPM (117 LPM) max, 1 GPM (4 LPM) min
- Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min
- Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min
- Redundant anti-scald protection with additional hot shut-off valve providing secondary level of protection.
- CSA Certified to ASSE 1071, NSF/ANSI 61 & 372, California Health and Safety Code 116875 (AB 1953) and applicable sections of CSA B125.3.

**FLOW CAPACITIES**

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<th>MODEL</th>
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**Model TWBS.EWE**
- Lead-free brass design for emergency eyewash fixture.
- Flow Rate: 12 GPM (45 LPM) max, 1 GPM (4 LPM) min
- Hot Inlet Temp: 180° F (82° C) max, 120° F (49° C) min
- Cold Inlet Temp: 70° F (21° C) max, 40° F (4° C) min
- Redundant anti-scald protection with additional hot shut-off valve providing secondary level of protection.
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