

**Encon**<sup>®</sup>  
SAFETY PRODUCTS

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# THERMA-FLOW<sup>®</sup>

## FREEZE PROTECTED SHOWER/ EYEWASH W/AREA LIGHT

PART NUMBER: TF32A4001000

**SPECIFICATION:**

Third party certified to ANSI Z358.1, the Therma-Flow<sup>®</sup> freeze protected shower and eyewash unit shall deliver 30 gpm (113.56 lpm) from the shower head and 3.2 gpm (12.11 lpm) from the eyewash when supplied with volumes @ 30/70 psi (206.8/482.6 kPa). Unit shall provide a non-injurious flow of water for 15 minutes or longer. Shower shall be supplied with 1 1/4" bronze single motion activation stay open ball valve with chrome plated (CP) ball. Eyewash to be supplied with 1/2" bronze self draining valve with CP ball. Unit shall include actuators with actuation graphics, area light and schedule 80 hot dip galvanized steel pipe with flanged floor plate for free-standing installation. Unit to be enclosed in field removable ABS shell secured with elastomer seals for easy access of components for servicing. Internal water temperature shall be maintained (50° F/10° C) using self-limiting heat trace cable and thermostat. An area light shall provide constant illumination to the safety station. A heat trace indicator light to be provided for confirmation of heat trace activation. Shower head shall be supplied with self-adjusting 30 gpm (113.56 lpm) regulator. Eyewash heads shall be supplied with 3.2 gpm (12.11 lpm) regulator to assure a constant and even dual stream flow pattern 30/70 psi (206.8/482.6 kPa) hydraulic conditions. Shower head to be manufactured of UV resistant high visibility yellow ABS plastic and must deliver a minimum of 20" (50.80cm) diameter pattern to the target area 60" (152.40cm) above standing level. Eyewash heads with float off covers to be manufactured of UV resistant ABS plastic. Float off covers are secured with stainless steel bead chains and provided to inhibit dust and/or contamination when not in use. Combination units that provide improper flow pattern or contain deteriorating screens/filters are not acceptable. Therma-Flow<sup>®</sup> unit shall be Encon Safety Products Model TF32A4001000. For 20 gpm (75.70 lpm) showerhead, unit shall be TF32B4001000.

**MATERIALS OF CONSTRUCTION:**

**PIPING:** Schedule 80 hot dip galvanized steel.

**VALVES:** 1 1/4" Bronze stay open ball valve with bronze ball (shower), 1/2" self draining valve with CP ball (eyewash), stainless steel valve stems, push plate with actuation graphic (eyewash) and powder coated carbon steel pull rod assembly with actuation graphic (shower).

**SHOWER HEAD:** Yellow ABS plastic.

**EYEWASH HEAD:** ABS plastic dual stream heads and float off covers secured with stainless steel bead chains.

**REGULATOR:** Self-adjusting 30 gpm (113.56 lpm) shower and 3.2 gpm (12.11 lpm) eyewash regulators.

**SUPPLY:** 1 1/4" NPT

**ELECTRICAL REQUIREMENTS:** Self-limiting heat trace cable: 120 VAC, 5 watt per foot with a 2.1 Amps at cold start up.

**COVERS:** High visibility yellow ABS plastic.

**AREA LIGHT:** Clear globe, .83 Amp, 120VAC.

**ELECTRICAL CLASSIFICATION:** Class 1 DIV 2 Group B, C & D, Class 2 DIV 2 Group F & G.

MODEL #	DESCRIPTION
TF32A4001000	Unit as Specified
TF32B4001000	With 20 gpm shower head

