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THERMA-FLOW® FREEZE PROTECTED SHOWER/EYEWASH W/DRENCH HOSE/FREEZE VALVE

PART NUMBER: TF34E41165A0

SPECIFICATION:

Third party certified to ANSI Z358.1, the Therma-Flow® freeze protected shower and eyewash unit shall deliver 20 gpm (75.7 lpm) from the shower head, 3.2 gpm (12.1 lpm) from the eyewash and 3.0 gpm (11.4 lpm) from the drench hose attachment when supplied with volumes @ 40/70 psi (275.7/482.6 kPa). Unit shall provide a non-injurious flow of water for 15 minutes or longer. Shower shall be supplied with 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. Drench hose shall be supplied with 3/4" bronze single motion activation stay open ball valve with CP ball. Unit shall include actuators with actuation graphics, automatic freeze protection valve, MAP® switch with alarm light, area light and schedule 80 hot dip galvanized steel pipe with flanged floor mounting plate for freestanding installation. Unit to be enclosed in easily 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. A heat trace indicator light shall be provided for confirmation of heat trace activation. Shower head shall be supplied with self-adjusting 20 gpm (75.7 lpm) regulator. Eyewash heads shall be supplied with 3.2 gpm (12.1 lpm) regulator to assure a constant and even dual stream flow pattern under varying hydraulic conditions. Shower head to be manufactured of UV resistant high visibility yellow ABS plastic and must deliver a minimum of 20" (50.8 cm) diameter pattern to the target area 60" (152.4 cm) 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® freeze protected shower and eyewash combination unit shall be Encon Safety Products Model TF34E41165A0. For 240 volts 20 gpm model, unit shall be TF44E41165A0.

MATERIALS OF CONSTRUCTION:

PIPING: Schedule 80 galvanized steel.

VALVES: 1/4" Bronze stay open ball valve with CP ball (shower), 1/2" bronze self draining valve with CP ball (eyewash), 3/4" bronze stay open ball valve with CP ball (drench hose), stainless steel (SS) valve stems, SS push plate with actuation graphic (eyewash), SS pull rod assembly with actuation graphic (drench hose) and powder coated carbon steel pull rod assembly with actuation graphic (shower).

SHOWER HEAD: Yellow ABS plastic.

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

REGULATOR: Self-adjusting 20 gpm (75.7 lpm) shower, 3.2 gpm (12.1 lpm) eyewash and 3.0 gpm (11.4 lpm) drench hose regulators.

SUPPLY: 1 1/4" NPT

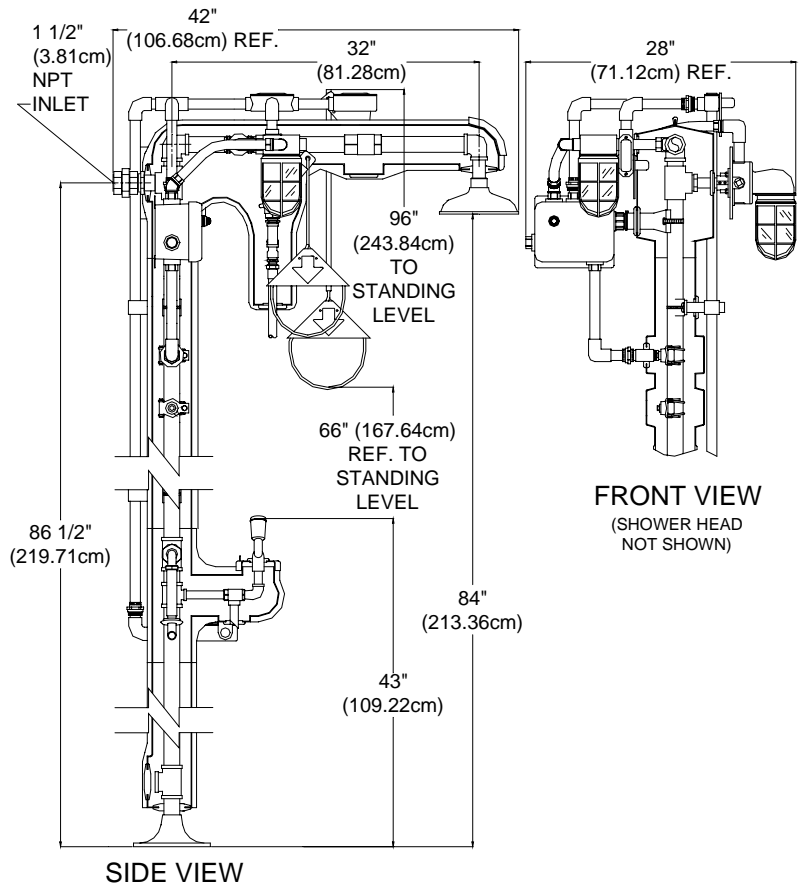
ELECTRICAL REQUIREMENTS: Self-limiting heat trace cable: 120 VAC, 5 watt per foot with a 2.1 Amps at cold start up.

COVERS: High visibility yellow ABS plastic.

AREA LIGHT: Green globe, .83 Amp, 120 VAC.

ALARM LIGHT: Red globe, .83 Amp, 120 VAC.

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



MODEL #	DESCRIPTION
TF34E41165A0	Unit as Specified
TF44E41165A0	Unit as Specified, 240 volts

Doc. No: TF34E41165A0.2

Issue Date: 06/01/04

Sec: Freeze Protected

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