

CABLE HEATED, FREEZE PROTECTED, INSULATED EMERGENCY SHOWER AND EYEWASH FOUNTAIN

ISTEC TYPE ESW-ICH

P/N: 15036100, 304 Stainless Steel
P/N: 15036150, Galvanized and Painted



EX-PROOF MECHANICAL THERMOSTAT

Shower Material	304 Stainless Steel / Galvanized Steel
Pipes	1 ¼" 304 Stainless Steel / Galvanized Steel
Shower Head	300 mm diameter, 304 Stainless Steel / Galvanized Steel
Water Inlet	1 ½"
Water Flow	Minimum 75,7 LPM for shower 11,4 LPM for eye/face wash
Electrical Heating Cable	15 W/m, 230 VAC, Ex-Proof

ISTEC Emergency shower and eye / face wash fountains are designed to be used easily in an emergency situation in a cold climate outdoor environment.

Electric cable heating prevents the water in the pipes freezing. The emergency shower is protected against freezing by electric cable heating, integrated insulation and jacketed system and is suitable for use at outdoors in cold climates.

The ABS polymer used in the shell is highly resistant to high temperatures, chemical solvents and unlike other plastic materials, can be shaped cold like metals. By this way, it fully covers the interior unit and provides perfect insulation conditions.

It is recommended that the unit to be connected to a tepid water source. It should be noted that the water in pipes that has warmed up by electrical cable will be discharged in a short period of time after the valve is opened, and then the water continues to flow in the network water temperature.

EN 15154-1, EN15154-2, GOST certified.

Emergency shower and eyewash is ANSI 2.358.1-2014 certified.

Electrical equipment has Ex-proof certifications.



Components of The System

- 1) Heating Cable (10-15 W/m, AC 230 V, Ex-Proof)
- 2) Ex-proof Mechanical Thermostat
- 3) ABS shell
- 4) Polyethylene insulation material
- 5) 304 Stainless Steel/Galvanized Steel Emergency Shower
- 6) Safety Signs



Optional Equipments;

- 1) Ex-proof Audible and Visual Alarm
- 2) Ex-proof Flow Switch
- 3) Ex-proof Junction Box

Technical Specifications of Accessories

Audible Alarm (Optional)

Standards: EN 60079-0 / EN 60079 - 1 / EN 60079 – 31

Classification: Ex d IIB T6 IP 65

Material: Aluminium Etial 140

Weight: 3.14 kgs

220Vac

12V AC-DC

24V AC-DC

90 dB



Visual Alarm (Optional)

Classification: Ex d IIB T6 IP 65

Standards: EN 60079-0 / EN 60079-1 / EN 60079-31

Flow Switch (Optional)

Classification: Ex ia I Ma
Ex ia IIC T4/T3 Ga
Ex ia IIIC IP6x T110 °C / 150 °C Da

Maximum average temperature: 110 °C
Maximum pressure: 25 bar
Maximum flow: 2 A
Maximum voltage: 230 V_{AC/DC}
Maximum measurement: 40W, 40 VA
Cable: PVC Exproof (ATEX zone 1)



Mechanical Thermostat (Included as Standard)

Classification: Ex II 2G Ex ed IIC T6
Ex II 2D Ex tb IIIC T=80°C IP65

Compact design
16A/230V switch capacity
4 mm sensor diameter
Resistant to chemicals
Minimum ambient temperature: -40 °C



Junction Box (Optional)

Classification: II 2GD Ex d IIB T6 Gb - Ex t IIIC T85°C Db IP6X
Standards: EN 60079-0 / EN 60079-1 / EN 60079-31

Material: Aluminium ETIAL 140

Heating Cable (Included as Standard)

Classification: II 2GEx e IIC Gb II 2D Ex tb IIIC Db

Outer Coating: TPE-O
Bus wire: 1,23 mm² Nickel coated copper
Maximum operating temperature: 65 °C (On) / 80 °C (Off)
Nominal Voltage: 230V
Minimum installation temperature:-50 °C

Self regulated.
ATEX certified.

