

Product Datasheet

Safety shower and ABS closed bowl eye wash with integral water heater

TC100KS45G-2H

TC100KS45G-2

When a reliable hot water supply is not readily available, or in environments that experience low ambient temperatures, this temperature controlled safety shower with eye/face wash unit offers the solution. A 300 liter integral heated water tank remains on standby to deliver 15 minutes of water within the tepid range, meeting ANSI recommendations. The high flow rate thermostatically controlled mixing valve ensures the temperature is maintained at between 72-82F (22-28C).

Suitable for indoor or outdoor use, this model can be used in areas classified as hazardous (-2H) or non-hazardous (-2).



Specifications

MATERIALS OF CONSTRUCTION	
PIPEWORK & FITTINGS	Stainless steel
FRAME	Stainless steel
OPERATING VALVE	Stainless steel, full bore, stay open ball valve
SHOWER NOZZLE	Injection moulded nylon 6
EYE WASH	Acrylic capped ABS
EYE WASH DIFFUSERS	Chrome plated brass retaining ring, stainless steel filter mesh, plastic body
INSULATION & OUTER CASING	Polyurethane foam insulation with GRP outer casing
SERVICES	
ELECTRICAL EQUIPMENT	For hazardous areas (-2H): CLASS 1, DIV 2, GRPS C & D For use in areas classified as non-hazardous (-2)
ELECTRICAL SUPPLY	240V, single phase, 50/60Hz
HEATING TYPE	Immersion heated insulated tank
HEATING LOAD	3kW @ 240V
WATER TEMPERATURE SET POINT	Factory set to 25C (77F). Adjustable.
PRESSURE REDUCING VALVE	Factory set at 3 BAR G (43 PSI)
WATER INLET	1 1/4" male NPT
OPERATING PRESSURE	2 to 6 BAR G / 29 to 87 PSI (higher supply pressures accommodated with the incorporation of the optional pressure reducing valve)
MINIMUM FLOW RATES	Shower: 76 L per minute / 20 US gal per minute Eye wash: 12 L per minute / 3 US gal per minute
AMBIENT OPERATING TEMPERATURE	
MINIMUM	-25C / -13F
MAXIMUM	40C / 104F
OPERATION	
SHOWER	Pull handle
EYE WASH	Pull lid down
DIMENSIONS & WEIGHT	
DIMENSIONS (WxDxH)	950mm (37.4in) x 1677mm (66in) x 2446mm (96.3in)
WEIGHT	230kg (507lb)

General Arrangement Drawing

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