Product Datasheet

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

STD-TC-100KS/45G

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 litre integral heated water tank remains on standby to deliver 15 minutes of water within the tepid range, meeting EN and ANSI recommendations. The high flow rate thermostatically controlled mixing valve ensures the temperature is maintained at between 22-28C.

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

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	ASA
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)	ATEX Zone 1 & 2. Gas groups IIA & IIB. Temp Class T3
ELECTRICAL SUPPLY	230/240V, single phase, 50/60Hz (110V optional)
HEATING TYPE	Immersion heated insulated tank
HEATING LOAD	3kW @ 240V / 1.7kW @ 110V
WATER TEMPERATURE SET POINT	Factory set to 25C (77F). Adjustable.
PRESSURE REDUCING VALVE	Factory set at 3 BAR G (43 PSI)
WATER INLET	1¼" male BSP
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 / 30 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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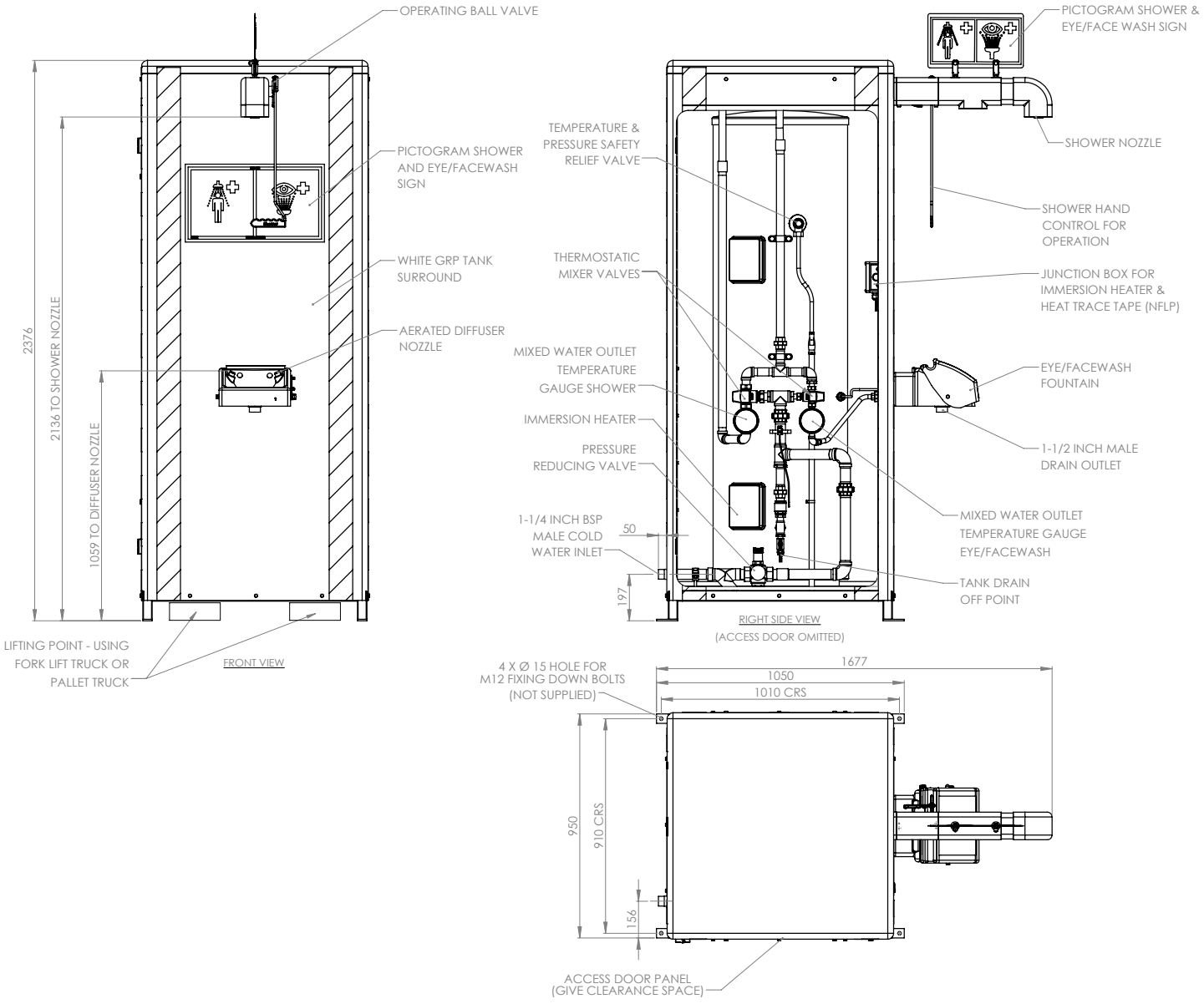

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