

# Product Datasheet

## STD-TC-100KS/45G Temperature Controlled Emergency Safety Shower



Temperature controlled heated emergency shower with hot water tank ensures delivery of tepid water for the EN and ANSI recommended minimum of 15 minutes. Incorporating a 300 litre heated tank, overhead shower and front mounted eye/face wash with protective lid as standard. Water temperature can be set between 20-25C. The unit can also be used to supply heated water to another emergency safety shower via a second outlet. Suitable for use in hazardous areas.

### Specifications

#### MATERIALS OF CONSTRUCTION

PIPEWORK & FITTINGS	Stainless-steel with 150lb medium wall tubulars and fittings
FRAME	Stainless-steel
OPERATING VALVES	Stainless-steel
SHOWER SPRAY OUTLET	Moulded nylon 6
EYE/FACEWASH FILTER STRAINER	Stainless-steel
INSULATION & OUTER CASING	Polyurethane foam insulation with GRP outer casing
STANDARD FINISH	White with green/white safety stripes

#### SERVICES

WATER INLET	1 1/4" Male BSP
DESIGN OPERATING PRESSURE	2.2 to 6 BAR G (32 to 87 PSI) (higher supply pressures accommodated with the incorporation of optional pressure reducing valve)
WATER TEMPERATURE SET POINT	Factory set to 25C (77F). Adjustable.
PRESSURE REDUCING VALVE	Factory set at 3 BAR G (43 PSI)
HEATING TYPE	Immersion heated insulated tank
HEATING LOAD	3 kW @ 240V / 2.7kW @ 230V
ELECTRICAL EQUIPMENT - Non-hazardous	Suitable for use in areas classified as non-hazardous
ELECTRICAL EQUIPMENT - Hazardous	ATEX Zone 1 & 2 Gas Groups IIA and IIB, Temp Class T3
ELECTRIC SUPPLY	230/240V Single Phase, 50/60Hz or 110V available
MINIMUM FLOW AT OPERATING PRESSURE	Shower - 76 litres/minute (20 US gallons). Eye/Face wash - 12 litres/minute (3 US gallons)

#### ENVIRONMENTAL OPERATING TEMPERATURE

MINIMUM AMBIENT OPERATING TEMPERATURE	-25C (-13F)
MAXIMUM AMBIENT OPERATING TEMPERATURE	40C (104F)

#### ACTIVATION/OPERATION

SHOWER OPERATION	Pull handle (Optional foot panel control for hands free operation)
EYEBATH/FACE WASH OPERATION	Pull lid down (Optional foot treadle control for hands free operation)

#### WEIGHTS and DIMENSIONS

DIMENSIONS (WxDxH)	950mm (37.4in) x 1677mm (66in) x 2446mm (96.3in)
WEIGHT	230kg (507lb)

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