

Product Datasheet

FLAMEPROOF CHILLER UNIT for hazardous environments

Optional Fittings

This flameproof chiller unit for use in hot climates can be installed as an optional fitting or retrofitted to any of the Hughes emergency tank showers in order to provide consistently tepid water, in accordance with ANSI guidelines. The chiller is designed to cool water to between 25-36° C preventing water inside the tank shower becoming dangerously hot due to solar radiation and subsequently scalding the casualty. Suitable for use in hazardous environments (zones 1 and 2).



Specifications

MATERIALS OF CONSTRUCTION

HEAT EXCHANGER	Brazed plate
STRUCTURAL FRAME PAINTING	Powder coated zintec
REFRIGERANT	R134a suitable for very high ambient operation (non-ozone depleting)

SERVICES

SUITABLE ENVIRONMENT	Atex zones 1 and 2
UNIT CLASSIFICATION	EX11 29/39 11B temp class T3
DESIGN OPERATING PRESSURE	43° C (109° F)
WATER FLOW RATE	2.16 m ³ /h
POWER RATING	1kW
ELECTRICAL EQUIPMENT - Non Hazardous	Suitable for use in areas classified as non-hazardous
STANDARD ELECTRICAL SUPPLY VOLTAGE	380-420B/3Ph/50hz 440-480V/3Ph/60hz
ADDITIONAL INFORMATION	3kW cooling capacity Self-contained and thermostatically controlled Atex rated integrated pump

ENVIRONMENTAL OPERATING TEMPERATURE

OUTLET WATER TEMPERATURES	25° C and 36° C (77° F and 97° F)
MAXIMUM WATER INLET TEMPERATURE	43° C (109° F)
MINIMUM OPERATING TEMPERATURE	-5° C (23° F)
MAXIMUM OPERATING TEMPERATURE	60° C (140° F)

WEIGHTS and DIMENSIONS

DIMENSIONS - STANDARD ORIENTATION (WxDxH)	945mm (37in) x 800mm (31in) x 1267mm (50in)
WEIGHT (NO OPTIONS)	300kg (661lb)

View our Guide to the ANSI/ISEA Z358.1-2014 International Standard for Emergency Eyewash and Shower Equipment at www.hughes-safety.com



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