

Product Datasheet

Flameproof Chiller Unit - Class 1 Div 2

A flameproof chiller unit designed for use with the Hughes emergency tank shower to provide consistently tepid water in hot ambient climates. Suitable for use in hazardous environments, Class 1 Div 2, the chiller is available as single phase or three phase. The chiller is factory set at 77F (25C) and will cool the water within the tank to between 60-100F (18-36C), as recommended by ANSI Z348.1-2014 standards.

Features and benefits:

- 3.8kW total cooling duty
- Ability to set required water temperature (factory set to 77F (25C))
- Retrofittable to your existing Hughes emergency tank showers



Specifications

MATERIALS OF CONSTRUCTION	
CASING MATERIAL	Zinc Coated Mild Steel (Zintec)
CASING MATERIAL FINISH	Polyester Industrial Powder Coated
SERVICES	
SUITABLE ENVIRONMENT	Class 1 Div 2
UNIT CLASSIFICATION	CAT 3G IIB T3
TOTAL COOLING DUTY	3.8 kW
REFRIGERANT	R134a suitable for very high ambient operation (non-ozone depleting)
INGRESS PROTECTION	IP 66
CONNECTION SIZES	1" water inlet / 1" water outlet
ELECTRICAL POWER SUPPLY	- SINGLE PHASE CHILLER 220-240V/1Ph/50hz - THREE PHASE CHILLER 380-420V/3Ph/50hz or 440-480V/3Ph/60h
TOTAL POWER CONSUMPTION	- SINGLE PHASE CHILLER 1.96kW - THREE PHASE CHILLER 1.79kW
RUNNING CURRENT	- SINGLE PHASE CHILLER 15.15A - THREE PHASE CHILLER 4.35A
AMBIENT OPERATING TEMPERATURE	
OPERATING LIMITS	23F / -5C to 140F / 60C
FLUID TEMPERATURE RANGE	64F / 18C to 97F / 36C
DIMENSIONS & WEIGHT	
DIMENSIONS - STANDARD ORIENTATION (WxDxH)	24.2in (614mm) x 41.4in (1045mm) x 58.8in (1494mm)
WEIGHT (NO OPTIONS)	540lb / 245kg

General Arrangement Drawing

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