

Product Datasheet

Flameproof Chiller Unit - Zone 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, ATEX Zone 2, the chiller is available as single phase or three phase. The chiller is factory set at 25C (77F) and will cool the water within the tank to between 20-36C (68-97F), as recommended by EN15154 and ANSI Z348.1-2014 standards.

Features and benefits:

- 3.8kW total cooling duty
- Ability to set required water temperature (factory set to 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	ATEX Zone 2
UNIT CLASSIFICATION	CAT 3G IIB T3
TOTAL COOLING DUTY	3.8 kW
REFRIGERANT	R134a suitable for very high ambient operation (non-ozone depleting)
CONNECTION SIZES	1" water inlet / 1" water outlet
ELECTRICAL POWER SUPPLY - SINGLE PHASE CHILLER	230V+/-5%/1Ph/50Hz (220V-240V)
- THREE PHASE CHILLER	400V+/-5%/3Ph/50Hz (380-420V) or 460V+/-5%/3Phz/60Hz (440V-480V)
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	0C / 32F to 60C / 140F
FLUID TEMPERATURE RANGE	20C / 68F to 36C / 97F
DIMENSIONS & WEIGHT	
DIMENSIONS - STANDARD ORIENTATION (WxDxH)	605mm (24.8in) x 930mm (36.6in) x 1494mm (58.8in)
WEIGHT	195kg / 430lb

General Arrangement Drawing

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