

# Product Datasheet

## Flameproof Chiller Unit - Zone 1

An essential optional fitting for Hughes emergency tank showers operating in extreme hot climates. The heat of the sun can increase the water temperature within the tank shower to levels which may scald a user upon activation. This flameproof chiller is suitable for use in hazardous environments, ATEX Zone 1, and will maintain the water temperature within the tank between 16-38C as per EN15154 and ANSI Z358.1-2014 requirements.

- Durable marine grade copper-free aluminium light alloy control enclosure
- 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 Certified, Zone 1	
UNIT CLASSIFICATION	EX II 2G IIB T4	
TOTAL COOLING DUTY	3 kW	
REFRIGERANT	R134a suitable for very high ambient operation (non-ozone depleting)	
INGRESS PROTECTION	IP 66	
CONNECTION SIZE	3/4"	
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	0C / 32F to 55C / 131F	
FLUID TEMPERATURE RANGE	18C / 64F to 36C / 97F	
DIMENSIONS & WEIGHT		
DIMENSIONS - STANDARD ORIENTATION (WxDxH)	698mm (27.5in) x 1017mm (40in) x 1175mm (46.2in)	
WEIGHT	230kg / 507lb	

# General Arrangement Drawing

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