Hazardous Area Drinking Water Coolers

Space saving ‘Ex’ Certified Drinking Water Coolers For Operation In Hazardous Gas Areas

Innovative safety driven IECEX / ATEX certified hazardous area cooling solutions

stolway.com

Hazardous Area Drinking Water Coolers

APPLICATIONS

- Providing chilled drinking water via bubbler and bottle filler dispensers

TYPICAL DESIGN FEATURES

- IECEx or ATEX certification for Zone 1 Group IIB+H2 T3 hazardous areas
- Single overall certificate of conformity
- Nominal capacities – 25L/hr
- 50Hz or 60 Hz power supplies
- Designed for tough environments up to 54°C ambient temperatures as standard.
- Suitable for outdoor installation.
- Environmentally friendly R134a refrigerant with zero ozone depletion potential
- All-in-one design with an integrated control enclosure
- Single point power connection

Hazardous Area Drinking Water Coolers

TYPICAL CONSTRUCTION FEATURES

- Casing – Stainless Steel 316 as standard.
- Fully hermetic Ex'd certified compressors for maximum reliability and minimum maintenance.
- Non-sparking direct drive condenser fans.
- Air Cooled Condenser Coil – Copper Tube/Aluminium Fins, with Epoxy treatment providing corrosion protection and long service life in oil, gas and marine applications.

OPTIONS

- Project compliant paint systems & colours.
- Coil – Copper Tube / Copper Fin.
- Casing – SS304 or Powder Coated, Galvanised Steel material.
- Ambient temperature rating to 60°C T4 temperature rating

Hazardous Area Drinking Water Coolers

Typical Specifications/Features

Standard Technical Features	STWB25M-15FP	STWB25M-16FP	STWB75M-15FP	STWB75M-16FP
Power Supply	230V/1Ø/50Hz	230V/1Ø/60Hz	230V/1Ø/50Hz	230V/1Ø/60Hz
Flow Rate Nom.	25 L / hour	25 L / hour	75 L / hour	75 L / hour
Maximum Operating Amb.	50°C	50°C	50°C	50°C
Unit Weight	150kg	150kg	180kg	180kg
Running Current Nom.	6A	6A	14A	16A
Dimensions (mm)	550 W 450 D 1100 H	550 W 450 D 1100 H	650 W 550 D 1200 H	650 W 550 D 1200 H
Component IP rating	IP 65			
Supply Temperature	10°C (at up to 50°C ambient).			
Casing material *	Galvanised steel (G) | 304 stainless steel (S) | 316 stainless steel (M)			
Finish	Polyester powder coat – dune colour (for galvanised steel models)			
Condenser Coil	Copper tube aluminium Fins, with Epoxy treatment for corrosion protection.			
Heat Exchanger	Insulated assembly comprising of copper water tank with external copper cooling coil			
Condenser Fans	Direct drive Polypropylene non sparking type with an EExd Certified TEFC motor.			
Electrical Enclosure	EExd Hazardous area Electrical Enclosure, c/w Motor Control equipment and protection devices.			
Electrical Cables	Steel wire armoured Power Cables, connected to Exd enclosures through Ex Certified Barrier Glands. Cables internally/externally earthed/bonded connected to common earth stud on unit base. All IS cables steel wire armoured and overall screened and are identified by a pale Blue PVC external cover.			
Ex Marking	**ATEX:** II (1) 2 G Ex d e [ia] mb IIB+H2 T3 / **IECEx**: Ex d e [ia] mb IIB+H2 T3			
Certification	IECEx	IECEx SIR 11.0155X, Sira 11ATEX1356X		ATEX
Australian Refrigeration Council Ltd. Certificate	Authorisation No: AU07408			
Ordering Information	**STWB 25 G - 1 5 FP** 25L/h **25** 75L/h **75** Stainless steel 316 **M** Stainless steel 304 **S** Galvanised Steel **G** **5** 50 Hz **6** 60Hz **1** Single phase			