

DATA SHEET

COOL-OFF CO300MP

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Product Description

The Heat Trap CO300MP Cool-Offs are self-contained chilled water storage and supply system providing tepid water to ablution blocks and accommodation blocks. The Heat Trap CO300MP Cool-Offs are designed to provide tepid water at a rate of up to 50 Liters/minute with incoming potable feed water temperatures up to 47°C. Dual adjustable temperature mixing valves factory set to 20°C mixed water temperature. The Heat Trap CO300MP Cool-Offs are free standing self-contained units which can be plumbed into the supply line between the potable mains and shower/accommodation block and connected with a single phase 10 amp 240V general purpose power outlet. Galvanized steel base framing ensures suitability for all industrial and mining applications.

Features

- Stand-alone self-contained chilled water storage and supply system for plumbed ablution and accommodation blocks
- Operates with potable mains water pressures between 300 kPa and 650 kPa.
- Chilled water storage at 8°C
- Cyclone and seismic rated design.
- Single phase 10A 240V electrical supply.
- Fail safe water flow Benefits

Benefits

- The Heat Trap CO300MP Cool-Offs supply tepid water to showers of accommodation block and provides comfort to workforce in hot environments.
- 315 Liter chilled water storage capacity is sufficient to supply up to 50 Liters/min of tepid water when fed with incoming potable water up to 47°C.
- Chilled water storage at 8°C eliminates bacterial growth in the stored water.
- Sufficient mixed water flow to provide cold showers for up to 12 persons with a recharge time of
- less than 5 hours.

HEAT TRAP

COOL-OFF CO300MP SPECIFICATIONS

Chilled water storage tank	315 litre vitreous enamel lined steel tank with replaceable sacrificial anode
Cold Expansion Relief valve	RMC H75 850 kPa, 60KW
Chilled water storage temperature	8°C + 2°C
Skid mount framing	40mm x 2.5mm RHS Galvanised steel
Insulation	Rigid polystyrene foam tank insulation and elastomeric pipe insulation
Refrigeration plant	3KW Heat Trap + TCL chiller unit
Refrigerant gas	R410A
Refrigerant Separation	Dual Braised Stainless Steel heat exchangers
Temperature control	Tomson/AVG Temperature Mixing valves
Circulating pumps	Lowara Vario D5 shaftless magnetic drive 12 LPM at 30 kPa
Water Inlet/Outlet fittings	G 3/4"
Recirculation fitting	G 3/4"
Power consumption	Maximum 4 amp
Maximum inlet pressure	650kPa
Minimum inlet pressure	350 kPa dynamic at 50 LPM
Temperature Gauges	Analog gauges for incoming, stored and mixed temperatures (Optional Extra)
Physical Dimensions	W100 x L100 x H110 cm
Weight	125 kg

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- However, because of the many factors that are outside our knowledge and control that can affect the use of these products, we cannot accept liability for any injury, loss or damage resulting from the reliance upon such information.
- Appropriate safety precautions should be taken to prevent bacterial growth in pipework dead legs
- Innovation patent pending