

# DATA SHEET

## HEAT TRAP TANK SHOWER CHILLER TC00

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### Product Description

The Heat Trap Chillers are self-contained chilled water storage and supply system providing TEPID water to plumbed emergency safety showers and face/eye wash stations in hot environments.

Australian Standard AS4775 recommends a maximum water temperature for emergency safety showers and face/eye wash stations of 37.8°C and a minimum delivery time of 15 minutes. TEPID water is defined as between 15°C and 37.8°C.

The Heat Trap TC00 Chillers are designed to enable the Tank Shower to provide TEPID water at a rate of up to 100 Liters/minute per shower with incoming potable feed water temperatures up to 47°C.

The Heat Trap Chillers are free standing self-contained units which can be plumbed directly into the insulated tank shower. The chiller is connected with a single phase 10 amp 240V general purpose power outlet.

### Features

- Standalone self-contained chilled water system for plumbed Tank eyewash safety showers.
- Complies with Australian Standard AS4775 to provide TEPID water (between 15°C and 37.8°C) for facewash/eyebath facilities connected to potable water mains with supply temperatures up to 47°C.
- Built in recirculation cools the water in the tank.
- Chilled water storage at 30°C and recirculation of cooled UV sterilized water eliminates the deadlegs and restricts bacterial growth.
- Single phase 10A 240V electrical supply.

### Benefits

- Chilled water storage at 30°C and recirculation of cooled water restricts bacterial growth.
- Eliminates water wastage from anti-scald valves at emergency safety showers.
- Chilled drinking water supply is available as an optional extra.

# HEAT TRAP

## TC00 SPECIFICATIONS

<b>Chilled water storage temperature</b>	3 0°C ± 2°C
<b>Skid mount framing</b>	20mm x 2mm SHS Duragalv steel
<b>Refrigeration plant</b>	Heat Trap Solar + TCL
<b>Refrigerant gas</b>	R410A
<b>Refrigerant Separation</b>	Dual Stainless Steel / Copper heat exchangers
<b>Temperature control</b>	STC 1000 digital thermostat
<b>Circulating pumps</b>	Lowara Vario D5 shaftless magnetic drive
<b>Recirculation fitting</b>	G 3/4"
<b>Power consumption</b>	Maximum 4 amp
<b>Maximum inlet pressure</b>	650kPa
<b>Physical Dimensions</b>	W750*L1,100*H800
<b>Weight</b>	75 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