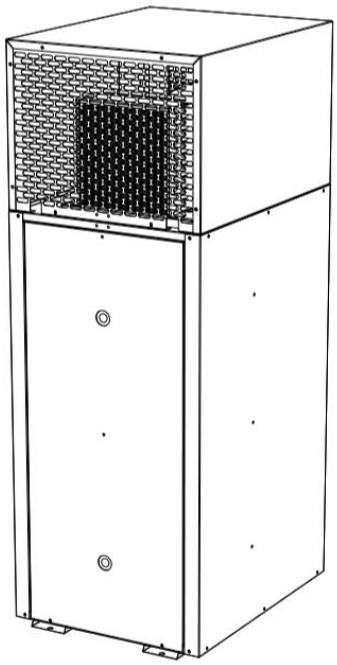
THERMAL IQ PTY LTD
2/8 GUNYA STREET
REGNETS PARK, NSW, 2143
AUSTRALIA
+612 87108106

TECHNICAL DATA SHEET

DRINKIG WATER PRODUCTS

REFRIGERATED MULTIPOINT DRINKING WATER UNITS



THERMEX SOLUTIONS P/L
2/8 GUNYA STREET
REGNETS PARK, NSW, 2143
AUSTRALIA
+612 87108106

Application

Central storage units are designed for applications where they are short peaks of cold-water consumption and the consumption of the water is remote to the cooling unit

Applications such as schools where students need cold water at recess or lunch and the system has time to recover before the next peak. The systems are designed – in the school environment – to be installed with drinking troughs.

Thermal IQ has under trough units, under sink unit and remote storage units in the range.

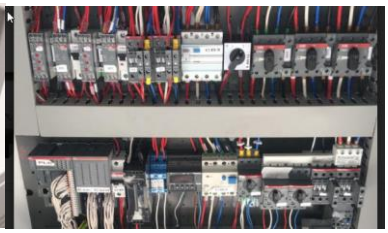
Features

- Large variety of capacities
- Stored water to help cope with peaks
- Fully compliant cold-water tank Insulation
- Environmentally friendly R-134a refrigerant:
- Cold water tank pressure relief valve as standard
- Tank rated to 750kPa
- Power requirement – 220/240V 50 Hz – Single phase
- Galvanised steel chassis
- Factory set to supply 10°C chilled water
- Compliant to WaterMark certification
- Removable lid for easy access to refrigeration system
- Drain for easy maintenance and tank cleaning
- 5 years warranty on the tank
- Removable condensing unit for easy maintenance

THERMEX SOLUTIONS P/L
2/8 GUNYA STREET
REGNETS PARK, NSW, 2143
AUSTRALIA
+612 87108106

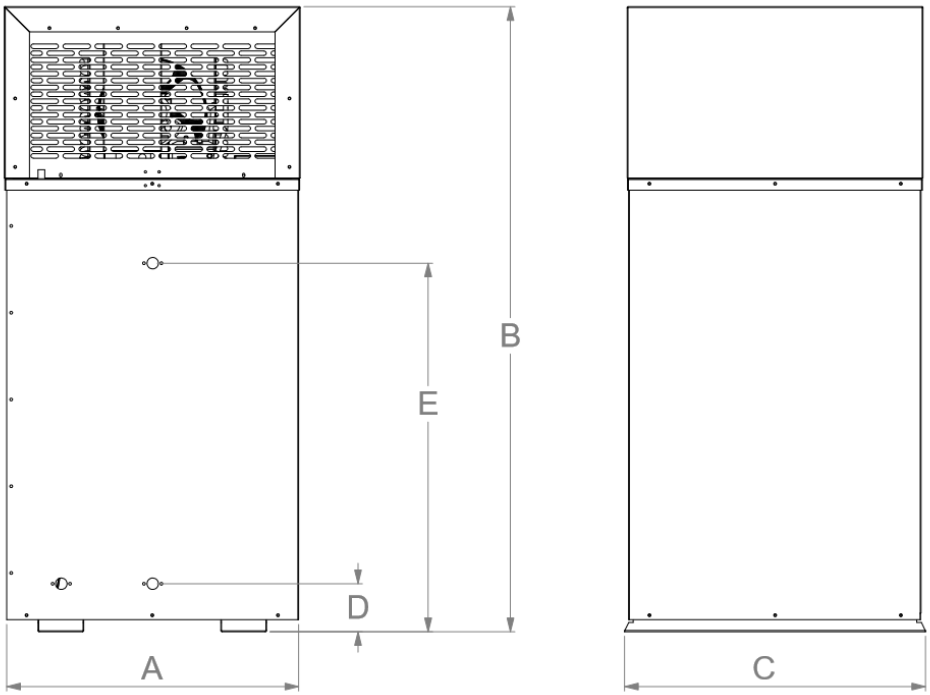
TECHNICAL DETAILS – large capacity models

Model	TW9	TW12	TW15	TW17	TW20
Cooling capacity* - kW	1.0	1.2	1.5	1.7	2.0
Recovery per hour*	40	40	75	100	150
Stored chilled water – Litres	25	50	80	125	160
Connections	¾" FBSP	¾" FBSP	¾" FBSP	¾" FBSP	¾" FBSP
FLA	4.2	4.2	4.5	5.0	5.6
Weight – dry - kg	30	40	60	68	75
Refrigerant charge – g	700	900	1100	1200	1500
Refrigerant	R134a				
Power requirement	220/240V 50hz Single phase				
Colour	White				
Tank construction	Enamel coated steel				
Pressure relief valve setting	750kPa				
Compressor	Fully hermetic reciprocating				
Thermal expansion	Capillary				
Temperature controller	Electronic				
Evaporator	Plate heat exchanger				
Circulation pump	Grundfos				
Electrical connection	Supplied with 2m 3 pin house lead - 10amps				



THERMEX SOLUTIONS P/L
2/8 GUNYA STREET
REGNETS PARK, NSW, 2143
AUSTRALIA
+612 87108106

Dimensions – remote storage



Model	TW9	TW12	TW15	TW17	TW20
A	550	550	495	535	535
B	820	1060	1295	1485	1700
C	410	550	645	680	680
D – Water in	192	197	200	230	230
E – water out	337	564	775	905	1135