

**TYPE** – An indirect, open vented, high-pressure water tank designed to operate with a remote heat source. The GXC series is authorised to Australian Standard AS3498.

**HOW IT WORKS** – The **GXC Series** is an indirect, heat exchange, hot or warm-water system that is heated by a remote heat source. These include Edwards Heatmate, and HEV series water heaters, as well as the Rheem Continuous Flow water heaters. The water in the storage tank is treated with a tannin-based inhibitor, “Gendex”, which remains in the system during operation and is not consumed. The treated water is circulated through the remote heat source by a pump, and the remote heat source heats the treated water until the thermostat sensor on the storage tank achieves its set point and switches the circulating pump to the heat source off. The storage tank is open vented to atmosphere, by means of an expansion tank. Located within the storage tank is a copper heat exchanger coil that contains potable, consumable water. As water is drawn through the coil, it is heated by the neutral water.

**WARM WATER** – The GXC range of heaters is approved by NSW Health, in terms of the Public Health Act 1991, for use as Warm Water Generators. Refer to the Edwards Warm Water Manual for information covering installation, commissioning, operation and maintenance.

**STORAGE TANK** – Is constructed from mild steel designed to withstand high water temperatures of up to 99°C on a continual basis. No anode or artificial lining is required to prevent corrosion. All welding is in accordance with Quality System procedures and standards.

**CENTRAL HEATING** – The treated water circuit can also be used for central/process heating applications, up to 400kPa.

**INSULATION** – High-density fibreglass encases the storage tank for maximum efficiency.

**CASING** – Is constructed of durable, Colorbond® for protection against the weather.

**HOT WATER PLUMBING** – It is good practice to insulate pipework to reduce heat loss.



(Photo supplied by Sola Edwards Adelaide)

**SUPPLY WATER QUALITY** – Acceptable range:

Refer to the standard warranty conditions available from an Edwards’ representative.

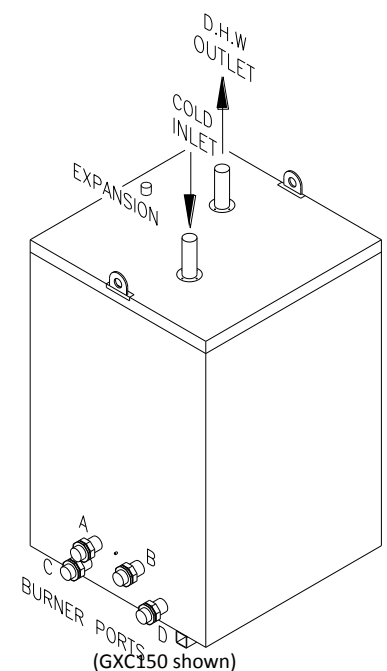
**FLUING** – Any heater connected to the GXC storage tank must comply with Australian Standard AS5601 and any relevant local regulations.

**HEAT EXCHANGER** – Is constructed of multi-start windings of Ø12.7mm Type B copper tube. Large inlet/outlet headers ensure full mains-pressure water flow (Maximum inlet pressure 960kPa, Maximum operating pressure 1200kPa).

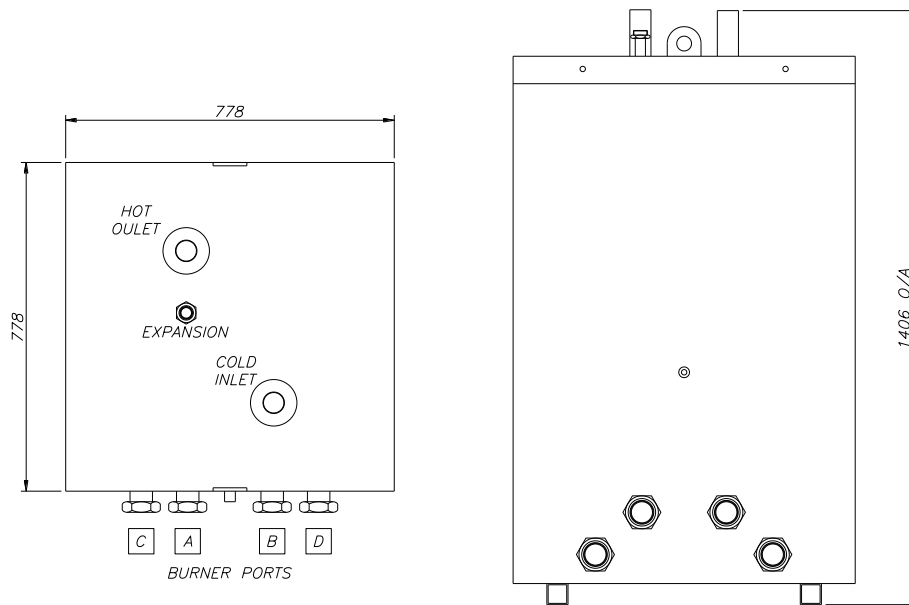
**CONTROLS** – To provide either warm (less than 50°C) or hot water (above 50°C), the GXC tank is connected to an electronic temperature control box to suit the application. This control box contains the accurate thermostatic controls necessary for safe operation.

**COLD WATER PLUMBING** – The minimum valving required prior to the heater is a stopcock, non-return valve, and a cold-water expansion control valve set at 1200kPa. A line strainer is recommended.

**SOLAR PRE-HEATER** – A tank can be connected to a bank of solar panels to pre-heat incoming cold water to a system.



### DIMENSIONS SPECIFICATIONS



		GXC 50	GXC 100	GXC 150
Cold Water Inlet & Outlet	mm	Ø50	Ø50	Ø50
Coil Peak Flow Rate (Litres/Min.)	hot	60	120	180
Coil Peak Flow Rate (Litres/Min.)	warm	50	100	150
Neutral Water Storage	Litres	530	530	530
Storage Delivery (litres)	Warm/Hot	53/400	53/400	53/400
Heat Exchanger Pressure Drop	kPa	33	33	33
Heat Exchanger Surface Area	sq.m	4	8	12
Max. Operating pressure – Tank	kPa	400	400	400
Max. Operating pressure – Coil	kPa	1200	1200	1200
Cold Water Inlet Temperature (min/max)	°C	8/29	8/29	8/29
Weight – wet/dry	kg	730/200	760/230	790/272
Maximum input – per unit	kW	122	244	366
Burner Flow Rate @ 20 deg.C Diff.	l/m	90	180	270
Maximum No. of Solar Panels		6	6	6
Burner Ports		2 (A & B)	2 (A & B)	4 (A, B, C, D)

Tanks may be connected in parallel for greater versatility and output

NOTE: heater outputs calculated on a cold inlet temperature of 15°C

Care has been taken to ensure that all information is as accurate as possible at the time of publication. However, specifications, methods and figures are subject to change without prior notice.

**DISTRIBUTOR:**



For more information

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