



GFX Series — Storage Tank Technical Data

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 fiberglass encases the storage tank for maximum efficiency.

CASING – Is constructed of durable, Colorbond®.

FLUING – Any heater connected to the GFX storage tank must comply with Australian Standards and any relevant local regulations.

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

HOW IT WORKS – The GFX Series is an indirect storage hot or warm water heat exchange system that is heated by a remote heat source. The water in the storage tank is treated with a tannin-based inhibitor.

The treated water is heated by a pump circulating it through the remote heat source until the thermostat sensor on the storage tank is satisfied, and switches the circulating pump to the heat source off.

The storage tank is open vented to atmosphere, by means of an expansion tank.

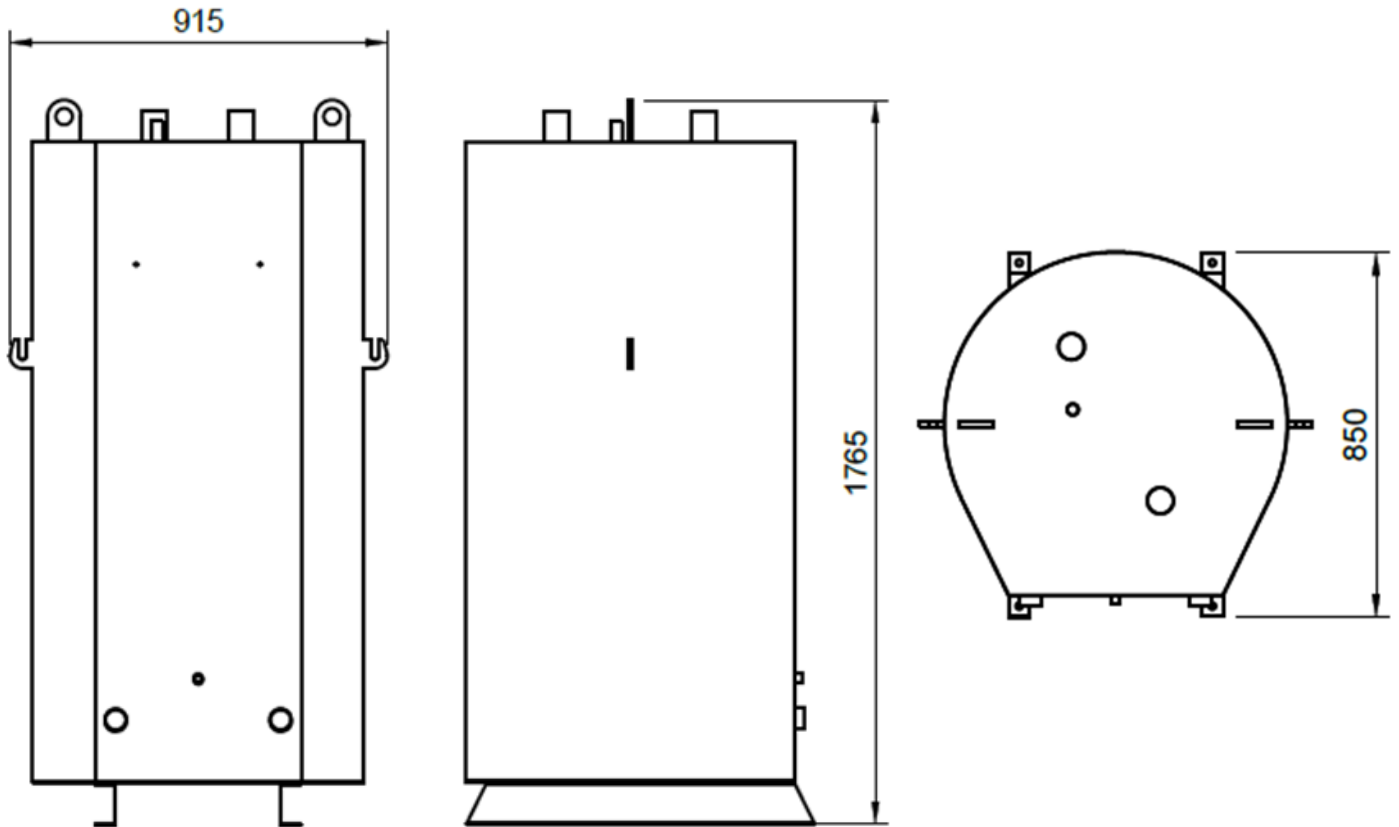
Located within the storage tank is a copper heat exchanger coil that contains potable water. As water is drawn through the coil, it is heated by the neutral water.

CONTROLS – To provide either warm or hot water (38-60°C), the GFX tank is connected to an electronic 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.

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

DIMENSIONS



SPECIFICATIONS

		GFX 60	GFX 120	GFX 180
Cold water inlet	mm	Ø50	Ø50	Ø50
Hot Water Outlet	mm	Ø50	Ø50	Ø50
Peak Flow Rate @ 60 deg.C (l/min)	hot	60	120	180
Peak Flow Rate @ 50 deg.C (l/min)	warm	50	100	150
Storage	litres	610	610	610
Heat Exch. 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
Weight - wet/dry	kg	730/200	760/230	790/272
Maximum input/output- per unit	MJ/kW	1000/208	2000/419	3000/628
Burner Flow /Return	mm	50 BSP	50 BSP	50 BSP

Tanks may be connected in parallel for greater versatility or output

NOTE: all outputs from heaters are based on an 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.

For more information call: 1800 644 099

Website: www.aleabraxsystems.com.au

Email: info@aleabraxsystems.com.au