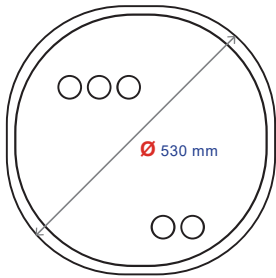




100 L 1 100 mm
150 L 1 500 mm

Weight	
100 L	28 kg
150 L	38 kg



510 mm

520 mm



For direct solar water heating with flat or indirect with evacuated tube. High pressure, 400kPa Horizontal hot water cylinder. Fitted with hard water element; drain valve; temperature and pressure (safety) valve.



As per Mainstream above with additional ports for interconnection of tanks increased volume (300 litre plus).



Unique balance pressure hot water supply, suitable for shower. No water wastage - re-using of water. Cistern-type, open to vent system.



Open to atmosphere non-ferrous thermal energy storage tank with various design options to choose from. Bigger volume storage tanks, 650 and 2000 litre options, with various inter-connectable design options. Suitable for installations in the open.



Open to atmosphere non-ferrous thermal energy 360 litre storage container with removeable lid. Suitable for installations in the open.



For total reliability you can count on.



Established 2003



www.xstream.co.za



Xstream's edge

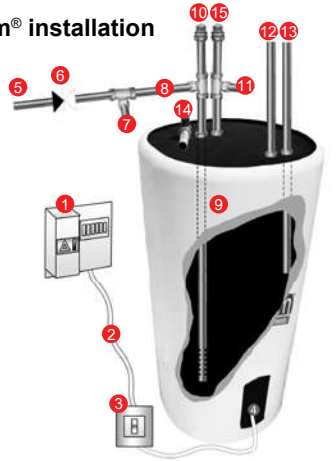
The most important part of a hot water cylinder is the inner tank. It must perform under pressure at high temperatures and survive an extremely aggressive chemical environment.

We use epoxy vinyl ester resin and glass in the construction of our inner tanks, thereby eliminating known causes of inner tank failures associated with traditional metal tanks.

Non-ferrous materials (like those used by us) cannot corrode (a mayor reason for tank failures) nor can any galvanic reactions (where dissimilar materials are interconnected) occur - our tanks are totally corrosion free, no metal is used in the construction thereof.

Electrical Xstream Upstream® installation

1. 25 A Circuit Breaker.
2. Electrical supply must be commissioned by a qualified electrician.
3. Double pole isolator switch within 1m from electric hot water cylinder.
4. Electrical box/ Element housing IPX1 rated.
5. Cold main supply
6. 200 kPa pressure control valve with discharge and shut off valve
7. Balanced pressure to cold supply
8. Inlet to Upstream
9. Diffuser inside tank
10. Vacuum breaker cold
11. Hot water outlet from tank with vacuum breaker (15)
12. Solar inlet from panel / interconnect (plug with



13. Solar outlet to panel
14. Temperature & Pressure (Safety) Valve, Copper pipe connected must always slope downwards without sharp bends.

Design features

For the installer

- All the pipe fittings are positioned on top of the tank for ease of connections and less pipe work.
- The tank is lightweight, easy to handle and install, less labour required.
- Drain- and safety valve factory fitted.
- Fits in a standard 600x600mm cupboard.
- Front entry for easy maintenance.

For the home owner

- The tank is solar ready – a solar absorption panel or tube set can be connected at any future time.
- Low overnight heat losses as non-ferrous materials do not transfer heat, saving you on your electricity bill.
- Maximum hot water drawoff due to our efficient baffle/spreader, that prevents internal mixing of existing hot and incoming cold water.

Design aspects

Material selection is crucial as mentioned before. Our non-ferrous tanks are:

- Totally corrosion free – they will never rust.
- No galvanic reactions will occur in or on our tanks.
- Made from (non-ferrous) materials with uniform expansion rates (expansion caused by hot and cold cycles inside the inner tank) that totally eliminates the need for protective linings of any sort – (protective linings are used as protection against corrosion in metal tanks, but these can crack or delaminate in use, triggering corrosion in metal tanks).

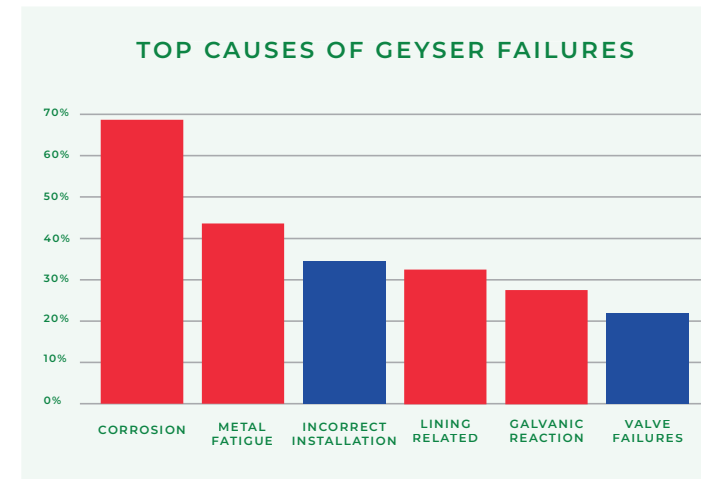
How the Upstream works

Our Upstream range are closed-vent tanks with a pressure rating of 200 kPa.

In referring to these tanks as “high pressure tanks” what is meant is that these are closed-vent tanks – as you open the hot water tap, cold water basically pushes the hot water out, thus the tank can be positioned at a point lower than the draw-off point.

In order to prevent the hot and cold water mixing inside the tank a diffuser is installed, keeping the incoming cold water at the bottom of the tank where the electric element is positioned in order to reheat the incoming cold water. The tank is basically a storage tank of thermal energy (hot water). Once heated the tank's purpose is to keep the water hot for later usage. Various heating sources can be used with the Xstream tank – electricity (element), solar panels or tubes or heat pumps. The tank is factory fitted with the necessary in- and outlet ports to accommodate these connections at any future time.

It is therefore very important to weigh up all the options when replacing or installing a storage tank.



AVOID THE TOP CAUSES OF GEYSER FAILURE BY PURCHASING XSTREAM