

BOILER INSTALLATION

Proper installation of the boiler system is important for optimum efficiency and convenience. Components such as thermo-regulator valves for boiler protection, circulation pumps for moving the hot water and accumulation tanks for storing heat reserves all play an important role in your boiler installation.

Utilizing a thermo-regulator valve to ensure the water returning to your boiler is above 140 degrees will increase the life of your boiler body as it will greatly minimize any corrosion caused by condensation.

An accumulation tank will increase efficiency and convenience of your system. The tank is able to store the excess heat produced to use later when the heat is needed. During spring and autumn, a large accumulation tank will save you from needing to have a fire everyday because the reserved heat can be stretched out longer.

Here's an example installation



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Aqualux Accumulation Tanks

- 200 Gallons of Highly Insulated Storage
 - 3 Models Available to Meet All Needs
- Increase System Efficiency and Convenience
 - Option for Built-In Domestic Water Heater
 - Option for Built-In Electric Immersion Heater for Backup

Aqualux

Accumulation Tanks

Aqualux accumulator tanks, the heart in your heating system!

- Specially insulated: saves you heat loss!
- Extremely compact: saves space by fitting under a 6' Ceiling.
- Designed for use with all types of boilers: provides one stop shopping!
- Outfitted with connectors, thermometers, and drainage valves: saves installation!

The Aqualux Accumulator tanks are specially insulated tanks designed for storing heat. Regardless of whether you choose to use firewood, pellets, heat pump, electricity or solar panels, these tanks maintain your heat energy until it is distributed.

Extremely Compact Water Storage

The picture on the front shows the Vedolux 40 UB boiler installed with 2 x 200 gallon Aqualux tanks. Together, they measure 84" wide and 71" high with the controls.

Well Insulated

The tanks are highly insulated to meet the Swedish National Board of Housing insulation requirements.

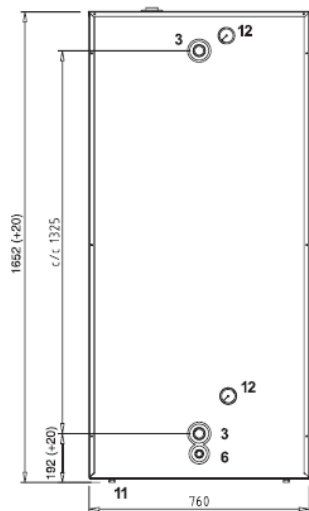
Delivered Complete for Installation

Aqualux tanks are delivered with a drainage valve, ball valve, de-aerator and thermometers. Connectors, thermometers and mixing valves are fitted at the factory and ready to hook up to your boiler.

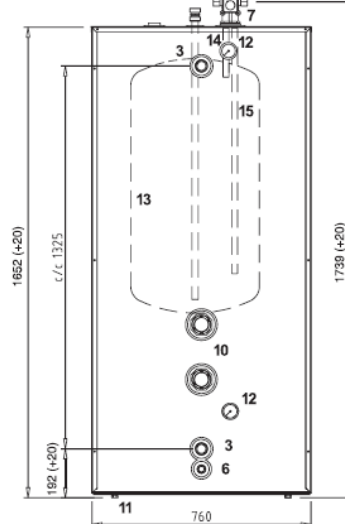
Aqualux CU tanks are equipped with an electric immersion heater rated at 20 kBTu, a mixing valve and a domestic hot water heater.

DIAGRAMS

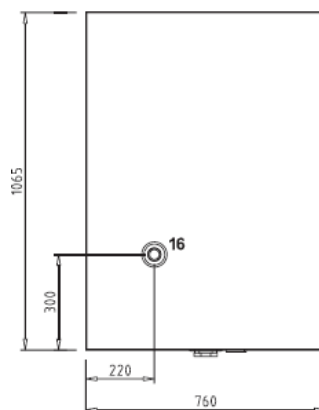
Front view UB 750



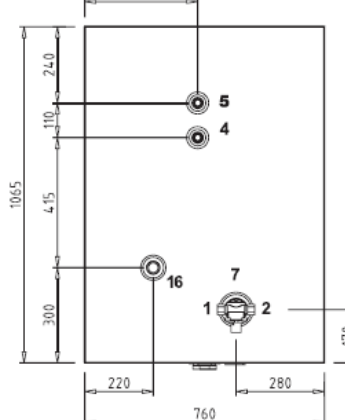
Front view CU 75



Top view UB 750



Top view CU 750



1. Flow pipe R20 male/compression ring coupling Ø22 mm
2. Return pipe R20 male/compression ring coupling Ø22 mm
3. Docking connection R25 female
4. Incoming cold water Ø22 mm
5. Domestic hot water Ø22 mm
6. Drain valve
7. Four-way shunt
10. Boss R50 female for immersion heater
11. Adjustable foot bolts
12. Thermometer
13. Hot water cylinder, copper-lined
14. Immersion pipe in flow pipe, to prioritise the domestic hot water demand
15. Immersion pipe in return pipe to enhance the stratification of hot and cold water
16. Venting

SCOPE OF DELIVERY

- Automatic venting valve
- Ball valve
- Draining/filling valve
- Immersion heater 6 kW (Aqualux CU)
- Installed shunt (CU)
- Compression ring couplings for hot water cylinder (CU)
- Two thermometers

Aqualux CU

The Aqualux CU is a 200 gallon tank. It has a copper lined 32 gallon domestic hot water heater. This tank has a four-way mixing valve and thermometers for the highest and lowest temperatures. Aqualux CU can be fitted with electric immersion heaters if you want to add electric heating. A 20 kBTu electric immersion heater is included with the unit.

Aqualux UB

The Aqualux UB is also a 200 gallon tank. It does not have a socket for electric immersion heater and mixing valve; otherwise it is like the Aqualux CU.

Aqualux SOL

The Aqualux SOL is designed to work with Varmebaronen Solar Collectors. More information coming soon.

Accumulator Control Attachment

The accumulator control transfers the heat from the boiler to the tanks. The control maintains a temperature that prevents sweating on the inside of the storage tank, preventing internal corrosion.

	Units	Aqualux CU	Aqualux UB
RSK-no.		687 60 40	687 60 41
Electric Power	kBTu	20	N/A
Capacity – Tank	Gal	200	200
Capacity – DWT	Gal	32.5	N/A
Pressure – Tank	PSI	21.75	21.75
Pressure – DWT	PSI	145	N/A
Width	Inches	30	30
Height	Inches	65	65
Depth	Inches	42	42
Headroom	Inches	71.5	71.5
Weight	Lbs.	496	408