



ThermoWise

INTELLIGENT ENERGY SAVING SOLUTIONS

THERMAL

STORAGE

VESSELS

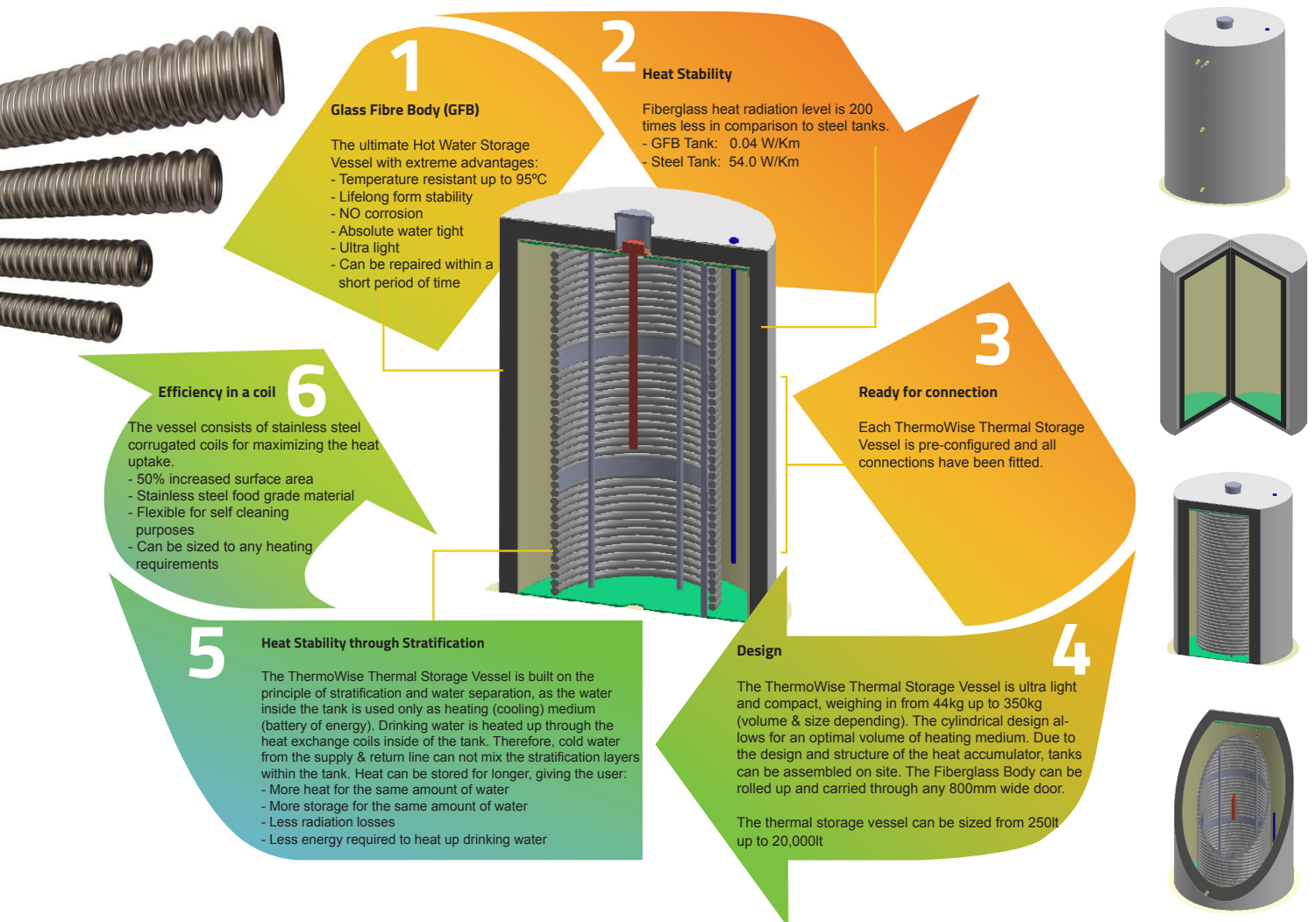
Domestic and Commercial Range



WHY ThermoWise THERMAL STORAGE VESSELS are the preferred choice within the market place!

As part of one of the world's largest energy efficient groups, ThermoWise delivers products that are innovative, reliable and durable, and produced to the highest standards.

Vessel Components:



ThermoWise Thermal Storage Vessels is simply an efficient body to accumulate & store energy in the form of heat or cold

How does it operate?

The ThermoWise Thermal Storage Vessel has been designed as an in-direct high performance heat exchange tank, storing energy for later use.

The thermal storage vessel is charged through various heating sources such as heat pumps, solar water heaters, gas heaters and heat recovery from chillers.

Pressurized potable water will flow through the pre-installed stainless steel coil(s) for instantaneous heating.

This way we are able to optimize stratification within the tank and prevent mixing of the hot water and cold water.

Specification:

Tank Volume m ³	Fibre Sheeting Inner h(m) x d(m)	Fibre Sheeting Outer h(m) x d(m)	Fibre Sheeting Thickness Std/Gel
1000lt	2.1 x 0.82	2.25 x 1.02	2.0/1.5
1500lt	2.1 x 0.98	2.25 x 1.18	2.0/1.5
2000lt	2.1 x 1.12	2.25 x 1.32	2.0/1.5
2500lt	2.3 x 1.2	2.5 x 1.4	2.0/1.5
3000lt	2.3 x 1.3	2.5 x 1.5	2.0/1.5
4000lt	2.3 x 1.5	2.5 x 1.7	2.0/1.5
5000lt	2.5 x 1.7	2.5 x 1.9	3.0/1.5
6000lt	2.3 x 1.9	2.5 x 2.1	3.0/1.6
7500lt	2.3 x 2.1	2.5 x 2.3	3.0/1.5
8000lt	2.3 x 2.15	2.5 x 2.4	3.0/1.5
10 000lt	2.3 x 2.4	2.5 x 2.95	3.0/1.5
12 500lt	2.3 x 2.7	2.5 x 2.95	3.0/1.5
15 000lt	2.3 x 2.95	2.5 x 3.2	3.0/1.5

Areas of use:

- Hot Water Circulation
- Radiant Heating
- Floor Heating
- Fan Coil Heating
- Radiators
- Liquid Transfer
- General Purpose Pumping
- Large Scale Water Heating

Assembly:

- Fast and precise installation
- Easy transportation
- Fits through most doors (800mm)
- Can be assembled within 48 hours or less (size dependent)
- Can be adapted to space availability & volume requirements

Design & Engineering:

Each ThermoWise Thermal Storage Vessel can be connected to various heating sources, such as

- Heat Pumps
- Solar Thermal Collectors
- Heat Recovery
- Furnaces
- Chillers etc

Business Sense:

The ThermoWise Thermal Storage Vessel has been designed to

- Reduce operating costs
- Ease of installations
- Longevity (20+ years Lifespan)
- Efficiency and performance



Comparison

Steel Tank:

- Heavy
- Corrosive
- Reduced Lifespan
- Transmitting Heat
- Difficult To Transport
 - Crane
 - Breaking Walls
 - Space
- Not conducive To Stratification
- Stable Pressure Body

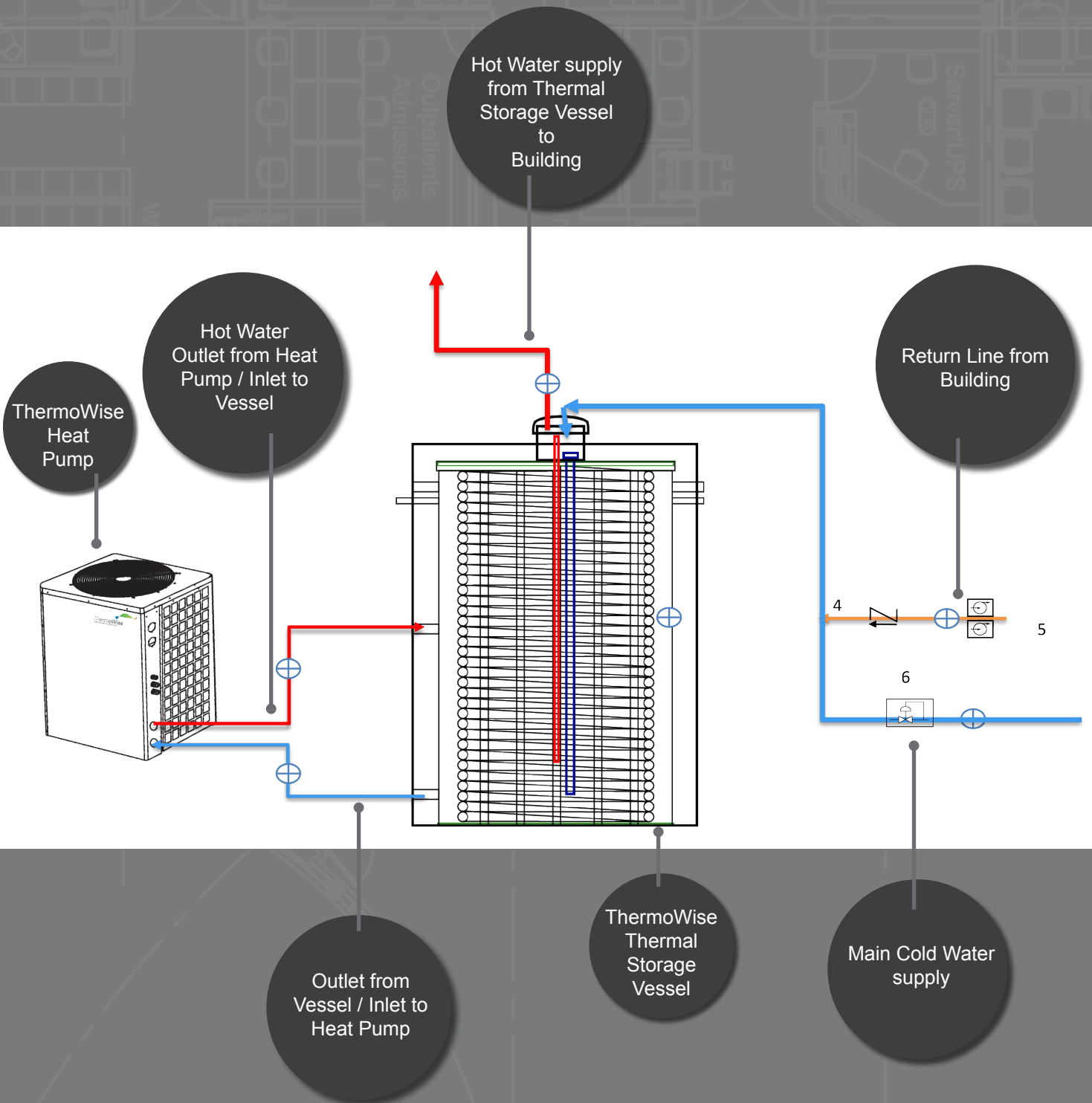
Thermal Storage Tank:

- Light
- Non-Corrosive
- Extended Lifespan
- Isolator
- Easy Transport - will fit through 800mm Entrance
- Ideal water body for stratification
- These vessels are non-pressurized and requires an inner coil for pressure

PVC Tank:

- Light
- Non-Corrosive
- Medium Lifespan
- Isolator
- Difficult to transport
- Ideal water body for stratification (If used with internal heat exchanger.)
- These vessels are non-pressurized and requires an inner coil for pressure

Typical Installation Schematic / Indirect





SPECIALISTS IN AIR TO WATER HEAT PUMPS

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