

# Power Strength & Energy Solutions Ltd.

## Storage tanks for solar domestic hot water and space heating

**Our motto:**  
*independence through renewable local energy sources and intelligent heating solutions.*

We are the distributor of clean non-polluting wood stoves/wood boilers and solar or wind generated power solutions for all your energy needs placed in Nova Scotia for customers all over Canada.

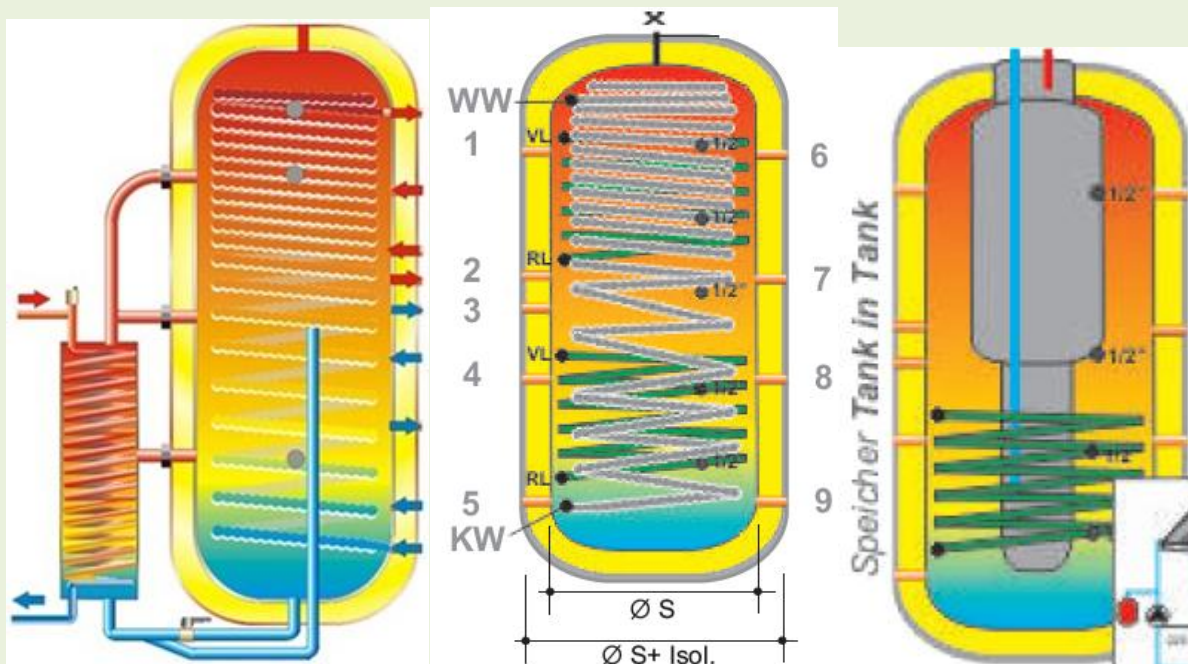
In our product range you will find wood stoves – wood boilers, solar space heating systems, solar domestic hot water systems, individual solutions and requirements, storage tanks, pump stations, controlling systems, corrugated insulated pipes and pipe insulation as well as power producing PV Systems and wind turbines.

We are a system provider for renewable heating and power solutions.

**premium**  
**W-SS-Sp**

**medium**  
**Gamma**

**basic**  
**tank in tank**



We can connect these tanks to different heating sources. Connections for an oil and gas stove, electric heater and wood stove/boiler and for radiant in floor heating or normal radiator heating systems are available.

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These tanks provide systems for using our solar thermal solutions and wood stoves/wood boilers as the main or as an additional heating system.

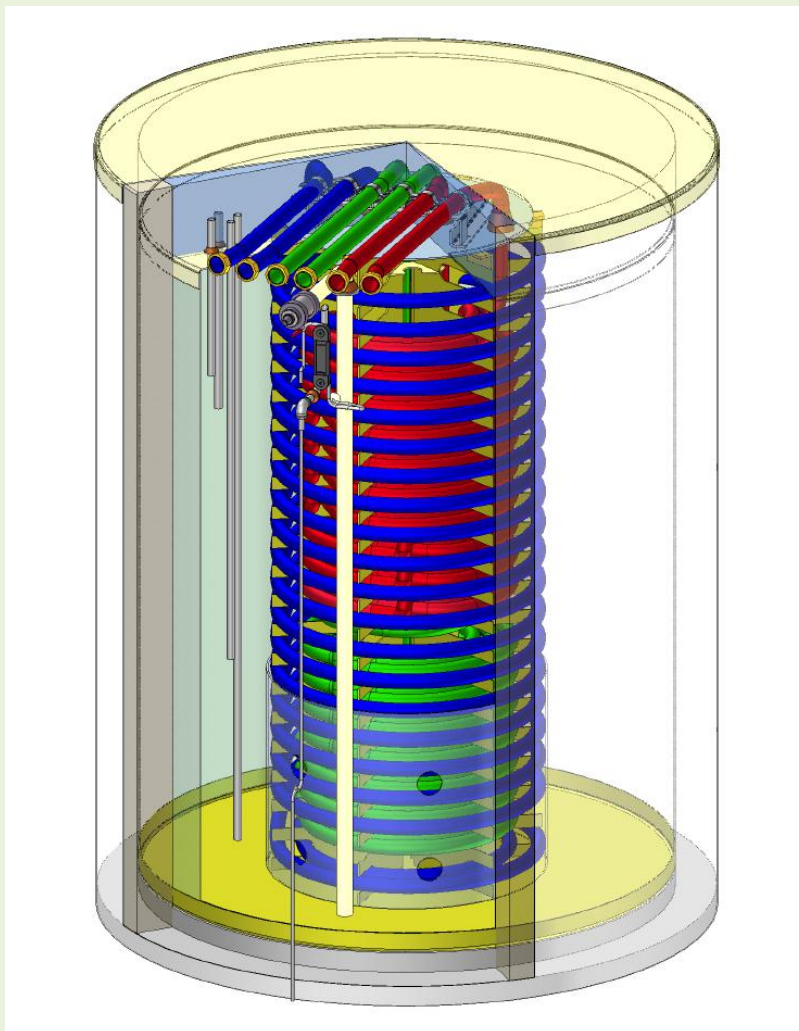
Existing oil/gas-furnaces are normally used as the backup system.

Special steel tanks with sizes from 750 -1000 Liters (sizes up to 3000 Liters possible)

These tanks have a special 4'' insulation material with a zipper.

Hygienic domestic hot water by using a corrugated stainless steel pipe with the W-SS-Sp or Gamma.

### Big storage tanks for solar domestic hot water and space heating





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The time-related fluctuation between supply and demand of energies needs to be evened out/equalized by the use of (Energy ) storage tanks. The bigger the tanks, the larger the capacity to store regenerative energies and therefore conserving on conventional energy sources.

The energy tank is an important component in the heat supply for buildings in heating of hot water and/or heating support.

The fibre-glass reinforced plastic (GRP) tank wall is prefabricated and delivered in individual parts. The assembly and lamination of the individual parts take place by authorized partners on the exciting location or building site.

Its small transportation mass (+/- 27"/68 cm broad) means setting up of the energy tank makes assembly possible in normally in-accessible areas. Various tank diameter and height options allow for optimum usage of available space.

Energy input and delivery of energy takes place in principle over high-grade stainless steel corrugated pipe heat exchangers. The Standard version has 3 heat exchangers, inside the energy tank there are no screw connections, adapters etc.

The standard sizes begin at 1,100 Liter up to 4,500 Liter / 340 USG – 1,200 USG  
The big sizes start at 7,700 Liter to 40,000 Liter / 2,030 USG up to 10,630 USG  
Bigger individual sizes are also possible.

The insulation starts at 10 cm /4 Inch with the smaller ones up to 20 cm / 8 Inch for the bigger sizes.

