ADDITIONAL STORAGE: When the demand for energy storage is greater, or if you want to achieve considerably higher boiler performance efficiency, additional volume tanks are recommended. Each 400 liter unit of storage volume added to your system provides an additional 32.5 kWh or 27.9 Mcal of storage capacity.

EFFICIENCY: The volume tanks and the technology tanks are similar in design and include the same unique patents. This ensures optimal stratification of the tank at all times regardless of heat source. Our volume tanks provide better storage and distribution of energy than any other available products on the market. For variable heat sources like solar panels, the efficiency is 20-25% better and for traditional oil burners 10-15%.

FLEXIBILITY: The modularized design of the tanks facilitates access into buildings as well as installation. Additional volume tanks can also easily be added and connected together with a standard docking interface kit, thereby avoiding emptying the system when upgrading. Concealed fittings behind the front panel and prepared knock-out holes in the front corners make installation both less costly and very neat.

Volume tank series based on 400 liter standard modules

- HA400V = 400 liter
- 2xHA400V = 800 liter
- HA1600L V = 1600 liter
  - Consist of 4 clustered HA400 modules
  - 1xHA400 vertically for stratification
  - 3xHA400 horizontally for storage

Volume tank series based on 600 liter standard modules

- HA600V = 600 liter
- 4xHA600 horizontally for storage
- HA3000L V = 3000 liter
  - Consist of 5 clustered HA600 modules
  - 1xHA600 vertically for stratification
  - 4xHA600 horizontally for storage

Volume tank series based on 1600 liter standard modules

- HA15000L V = 15000 liter
  - Consist of 5 clustered HA3000 modules
  - 5xHA600 vertically for stratification
  - 20xHA600 horizontally for storage

Volume tank series based on 3000 liter standard modules

- HA3000L V = 3000 liter
  - Consist of 5 clustered HA600 modules
  - 1xHA600 vertically for stratification
  - 4xHA600 horizontally for storage

SAFETY AND RELIABILITY: The tank is made of a highly seismic-resistant panel material that can withstand 300 lbs per square foot of pressure. The tank is infinitely durable and has no moving parts. The tank is also equipped with a failsafe system that will prevent any liquid from escaping into the building in case of a leak or failure.

FINANCIAL BENEFITS: Installing a volume storage tank can save you money in the long run. By storing heat during off-peak hours and releasing it when the demand is higher, you can reduce your energy costs by up to 30%. You can also take advantage of government incentives and rebates for installing efficient storage solutions.

IT’S THE INSIDE THAT COUNTS: The tank is equipped with a highly efficient heat exchanger that ensures optimal heat transfer and distribution. The tank is also equipped with a smart control system that allows you to customize your storage and heating needs. The tank can also be connected to various heating systems, including solar panels, geothermal sources, and traditional oil burners.

INTEGRATION: The tank can be easily integrated into your existing heating system. The tank can be connected to a variety of heating systems, including solar panels, geothermal sources, and traditional oil burners. The tank is also compatible with a variety of control systems, including smart thermostats and home automation systems.

EASY INSTALLATION: The tank is designed for easy installation. The tank can be installed in a basement, garage, or attic. The tank is also equipped with concealed fittings and prepared knock-out holes, making installation both less costly and very neat.
ENERGY STORAGE TANKS
HA-V and L series

CAPACITY
Volume tanks are available in various sizes depending on the individual heating requirements for private home applications as well as for large installations such as hotels, hospitals or other public buildings. Below are storage capacity shown for the series of volume tanks rated in both kWh and in Mcal, based on a 70°C ΔT usage.

TECHNICAL DATA
Maximum working pressure: 2.5 bars (HA100, 300 and 400 Series) 1.5 bars (HA600 Series of modules)
Insulation: Isover Cleantec® G35-S
- Sides: 50mm
- Top: 50≤115mm
Features:
- Modularized design of the tanks facilitates easy access into buildings as well as installation.
- Standard module size without panels and insulation is designed with compact dimensions of 550x550 mm, suitable for door access.
- Removable front panel for concealed fitting, all connections behind the front panel or on top to ensure a neat installation feature.
- Front corner equipped with ‘knockout holes’ for connection or docking with heat source and/or additional volume tank(s).
- Adjustable feet

Even very larger storage requirements are easily configured based on the modular design of the volume tanks. Clustered combinations cover literally any storage need.

Manufacturer: Heatacc.

APPLICATION
Principal layout of a combined HA400TBS technology tank and a HA400V volume tank.
Solar heating primarily serves for the production of all domestic hot water (DHW) and space heating (SH).

- Option 1: Connection to existing oil/gas/wood burner to be used as a backup source or for sudden heat peaks (instead of the built-in electrical heater). Optimal burner efficiency ensured thanks to longer burn cycles when using a larger charging volume while the vital stratification in the tanks is always ensured.
- Option 2: Connection to heat pump ensures a problem-free and environmentally friendly heat source for back-up or for sudden heat peaks (instead of the built-in electrical heater). Heat pump operations supported in dual mode for optimal heat pump efficiency.

All connected heat sources can be in operation simultaneously without affecting the vital stratification in the tanks. The technology tank is fitted with a bivalent valve (4 way reciprocal valve) which enables a very efficient space heating control of the radiators. The total storage capacity for this combination is 65 kWh or 56 Mcal, based on 70°C ΔT usage in the tanks. If greater demand is required, additional volume tanks are easily docked together in series. Concealed fittings behind the front panel and prepared knock-out holes in the front corners make installation both less costly and very neat. The system can also be extended later on without even needing to empty the heating system.
ENERGY STORAGE TANKS
HA-V and L series

CAPACITY
Volume tanks are available in various sizes depending on the individual heating requirements for private home applications as well as for large installations such as hotels, hospitals or other public buildings. Below are storage capacity shown for the series of volume tanks rated in both kWh and in Mcal, based on a 70°C ΔT usage.

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• Sides 50mm
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TECHNICAL DATA WxDxH (mm) Weight (kg) Max OP* (bars) Liters kWh Mcal
HA100 V 600x600x600 55 2.5 100 8.1 7
HA300 V 600x700x1430 148 2.5 300 24.4 21
HA400 V 600x700x1810 178 2.5 400 32.5 28
HA600 V 2510x550x2350 135** 1.5 600 48.8 42
HA1600 L/V 605x700x1810 425** 2.5 1600 130.3 112
HA3200 L/V 3000x550x2350 575** 1.5 3000 244.2 210
HA5000 L/V 3000x2750x2350 2875** 1.5 15000 1221.2 1050

*Maximum Operating Pressure.
**Weights for the larger series of volume tanks are excluding panels and insulation.

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ENERGY STORAGE TANKS
HA-V and L series

MODULES The modularized series of volume tanks are offered in two standard modules sizes for large system storage needs, 400 liter and 600 liter. The modularized design of the tanks facilitates easy access into buildings as well as installation. Dimensions without panels and insulation: Only 550x550 mm (W x D)

Volume tank series based on 400 liter standard modules

400 L
- HA400V = 400 liter
- 2xHA400V = 800 liter

Volume tank series based on 600 liter standard modules

600 L
- HA600V = 600 liter
- HA3000L/V = 3000 liter
  - Consist of 5 clustered HA600 modules
  - 1xHA600 vertically for stratification
  - 4xHA600 horizontally for storage

VOLUME TANKS

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