CORAL SOLVITRO - VITREOUS ENAMELLED STEEL

SOLAR models, integrated solutions!

Tanks with high-efficiency internal heat exchange coil and complete hydraulic unit with electronic control unit for solar installations. The ideal solution for harnessing solar thermal energy.

SOLAR STORAGE TANKS: DHW storage tanks with high-efficiency internal heat exchange coils and complete hydraulic unit with electronic control unit for **SOLAR INSTALLATION.**
Compact, forced flow system for SOLAR installation, equipped with complete hydraulic unit, expansion tank and control and regulation unit, ready for connection to solar collectors.
Its overdimensioned rigid, mould-injected PU insulation maintains the DHW storage temperature for long periods of time without any additional power input, which is a ideal solution for harnessing **SOLAR THERMAL ENERGY.**

COMPACT UNIT: Compact unit formed by DHW tank with solar coil and complete hydraulic unit with solar regulation and control unit, ready for connection to solar collectors.

DHW PRODUCTION/STORAGE TANKS
CORAL SOLVITRO - **COIL**

LONG-LASTING PRODUCT: VITREOUS ENAMELLED STEEL storage tank according to **DIN 4753 T3.** Food grade **impermeable lining** with a porcelain look that protects the metal surface of the storage tank in contact with water.

ANTI-LEGIONELLA DESIGN: High-efficiency coil designed to heat from the lowest zone in the storage tank preventing cold storage zones inside the tank and thus the possibility of proliferation of bacteria such as Legionella.

EASY TO INSTALL: Complete solar hydraulic unit with electronic regulation and factory-mounted expansion tank, ready for connection to the solar collector circuit.

MAXIMUM STORAGE CAPACITY: Extra thick, rigid, PU mould-injected insulation that minimizes heat losses of stored DHW(see HEAT INSULATION chapter, page: 89).

SOLVITRO: the compact solution that provides all the performance features, for installation with SOLAR THERMAL ENERGY.

FEATURES COMMON TO ALL "SOLVITRO" MODELS:

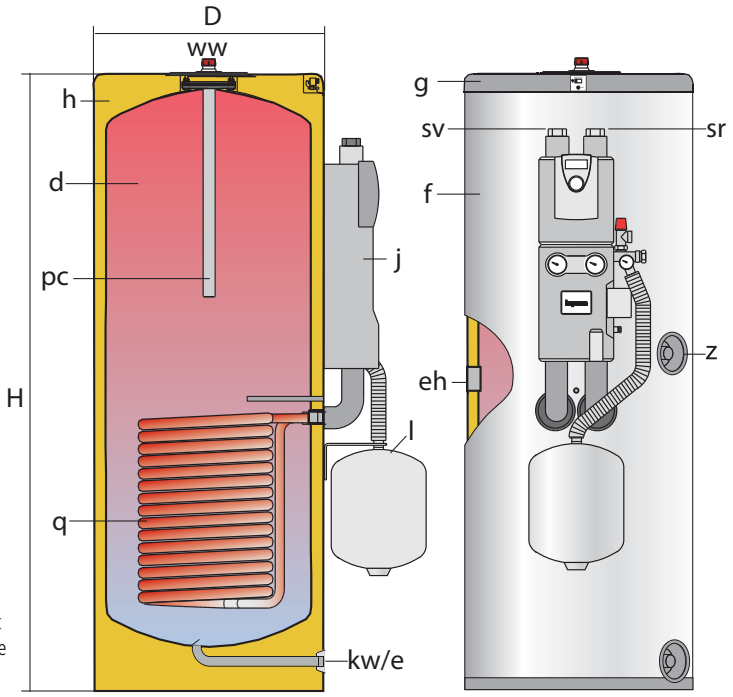
- **VITREOUS ENAMELLED STEEL** DHW storage tanks according to **DIN 4753 T3**
- Capacities: **150, 200, 300, 400, 500 and 750 litres**
- Maximum working pressure of DHW storage tank: **8 bar** (10 bar optional)
- Maximum working pressure of coil/s: **6 bar**
- Maximum working temperature of DHW storage tank: **90 °C**
- Maximum working temperature of coil/s: **150 °C**
- Thermal insulation: **Rigid, mould-injected PU** (CFC/HCFC-free, 0.025 W/m °K)
- External lining: RAL 7045 GREY padded polypropylene external lining, zip fastener, RAL 7021 BLACK cover
- Cathodic protection: **Magnesium anodes** with anode charge meter on cover
- Tanks for VERTICAL installation on floor.

CORAL SOLVITRO

COMPLETE UNIT: Vitreous enamelled DHW storage tank according to DIN 4753 with solar coil.
With rigid, mould-injected PU thermal insulation and cathodic protection with magnesium anode and anode charge meter.
Finish: RAL 7042 grey padded polypropylene external lining and set of black cover and trims.
The unit includes a complete solar hydraulic with equipment an electronic solar regulation and control unit, ready to be hydraulically connected to the set of solar collectors.

EQUIPMENT:
Complete hydraulic solar unit with two branches installed in the tank, with electronic solar control panel and expansion tank.

NOTE: *SOLVITRO storage tanks have been exclusively designed to operate in SOLAR THERMAL installations. SOLVITRO is one of the most efficient and easy to install tanks thanks to its design and equipment.*



d - DHW tank
h - Thermal insulation PU
f - Outer lining
g - Top cover
q - Coil
j - Solar hydraulic equipment
pc- Cathodic protection anode
l - Expansion vessel

GENERAL CHARACTERISTICS		CV-150-GS	CV-200-GS	CV-300-GS	CV-400-GS	CV-500-GS	CV-750-GS
DHW capacity	l.	150	200	300	400	500	750
D: external diameter	mm.	560	560	620	770	770	950
H: overall height	mm.	1265	1585	1685	1475	1690	1840
kw/e: cold water inlet / drain	"GAS/M	3/4	3/4	1	1	1	1 1/4
ww: DHW outlet	"GAS/M	3/4	3/4	1	1	1	1 1/4
z: recirculation	"GAS/M	-	-	-	1	1	1 1/4
sv: solar collector input	"GAS/M	3/4	3/4	3/4	3/4	3/4	3/4
sr: solar collector return	"GAS/M	3/4	3/4	3/4	3/4	3/4	3/4
eh: side connection	"GAS/F	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Heating coil surface	m^2	0,5	0,8	1,1	1,5	1,5	2,3
Empty weight (approx.)	Kg	70	95	120	150	175	195

SOLAR SYSTEMS - SOLVITRO

THE SOLVITRO SOLAR SYSTEM, consists of a SOLVITRO storage tank, complete with solar panels, heat-transfer fluid and all the necessary connectors to set up an individual THERMAL SOLAR forced-flow installation.
Forced-flow thermal solar energy systems are quick and reliable for production and availability of DHW. The DHW production and storage units are designed to be fitted in the home and the whole installation can be controlled and regulated using the various configurations of the integrated solar controller.

We can supply support structures for solar collectors for flat or sloping roofs.

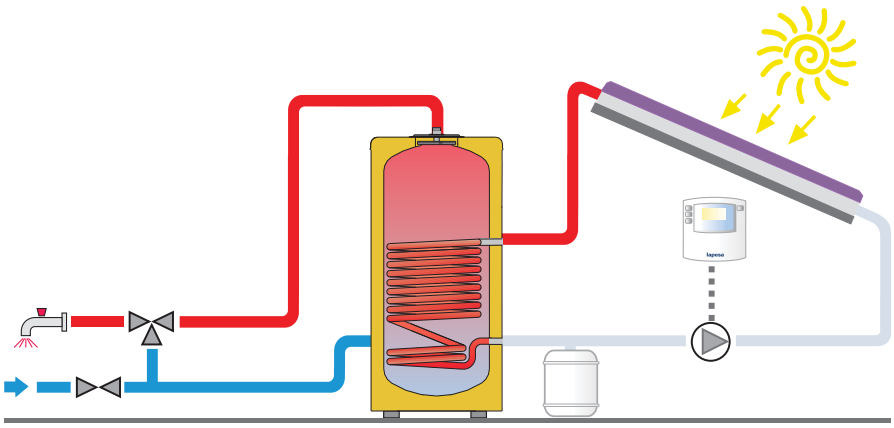


Diagram for DHW solar thermal installation with forced flow.

KIT SOLVITRO

CYLINDERS	CV150GS	CV200GS	CV300GS	CV400GS	CV500GS	CV750GS
COLLECTOR PANNELS	1 x LP SUN 200	1 x LP SUN 200	2 x LP SUN 200	3 x LP SUN 200	3 x LP SUN 200	4 x LP SUN 200
	1 x LP SUN 250	2 x LP SUN 200	3 x LP SUN 200	4 x LP SUN 200	4 x LP SUN 200	5 x LP SUN 200
	-	1 x LP SUN 250	2 x LP SUN 250	3 x LP SUN 250	4 x LP SUN 250	5 x LP SUN 250

SOLVITRO SYSTEMS

The range of **SOLVITRO** systems represent a new and revolutionary plug&play concept which is designed to make the most of thermal solar energy.

They integrate the hydraulic group, expansion vessel and regulation unit into the smallest of spaces. Fully connected and wired to form a single unit.

The range is formed of 17 different systems combining cylinders of 150, 200, 300, 400, 500 and 750 litres with LP SUN 200 and LP SUN 250 collector panels.

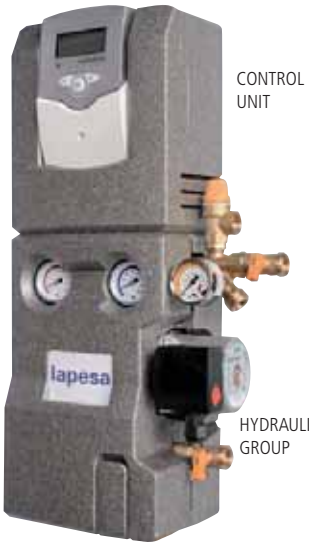
Only the piping from the cylinder to the solar collectors need to be connected:

- No height limitations.
- No vertical or horizontal pipe length limitations.
- No additional worries about the pipe inclination.
- No need to install systems to remove surplus heat. Nocturnal recirculation system pre-programmed on the control unit for removing surplus heat. Additionally, the vessel is the right size for almost any installation.
- Ice and overheating protection systems pre-programmed on the control unit.

CYLINDER FEATURES	CV150GS	CV200GS	CV300GS	CV400GS	CV500GS	CV750GS
DHW volume (l.)	150	200	300	400	500	750
Maximum pressure (bar)	8	8	8	8	8	8
Maximum temperature (°C)	90	90	90	90	90	90
Heat exchanger surface (m^2)	0.5	0.8	1.1	1.5	1.5	2.3
ErP (EU 812/2013)	B	B	B	C	C	B

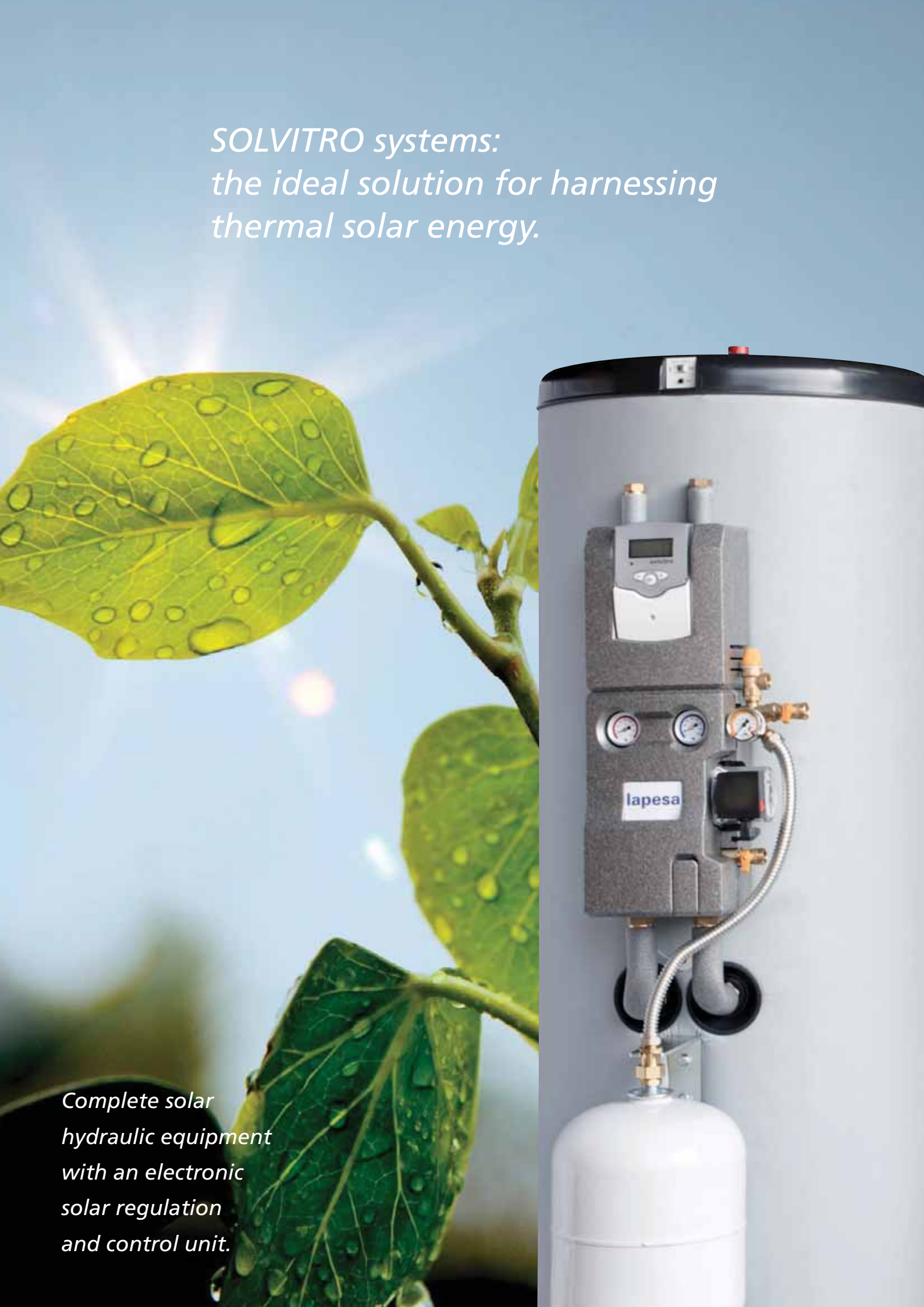
COMPACT HYDRAULIC KIT

- It includes all the components necessary to install it in the smallest space.
- Installation is very simple; you only have to connect the feed and return pipes to the solar collectors.
- It does not require any device to remove surplus heat since it has an 18 litre expansion vessel that is oversized for most installations and a control unit pre-programmed for nocturnal recirculation.
- No extra worries or limitations when installing the solar system.



EXPANSION VESSEL

SOLVITRO systems:
the ideal solution for harnessing thermal solar energy.



Complete solar hydraulic equipment with an electronic solar regulation and control unit.