

DHW PRODUCTION AND STORAGE TANKS



VITRIFIED STEEL

Technical characteristics		
Max. temperature DHW	°C	90
Max. temperature surrounding tank	°C	110
Max. temperature coil circuit	°C	200
Max. pressure DHW tank	bar	8
Max. pressure surrounding tank	bar	3
Max pressure coil circuit	bar	25



P: model designed to work with multiple **RENEWABLE ENERGIES**
C: model specifically designed to work with **HEAT PUMPS**, boiler wood pellet and plate.

CORAL VITRO, MULTIFUNCTIONAL

DHW TANK GLASS LINED ACCORDING TO DIN 4753 T3. Glass lining is the only coating process which guarantees perfect impermeability and resistance.

SPECIFICALLY DESIGNED TO WORK WITH HEAT PUMP, SOLAR AND MULTIPLE HEATING OPTIONS.

CV-C tank is **SPECIFICALLY** designed for installation with **HEAT PUMPS**.

FOR MULTIPLE SOURCES AND USAGE.

CV-C models incorporate a coil in the surrounding chamber, are designed for installations with solar panels and heat pumps.

DHW tank glass lined according to **DIN 4753 T3**. Glass lining is the only coating process which guarantees perfect impermeability and resistance. The steel surrounding chamber is used for the continuous production of DHW and storage of hot water as a backup for the heating system network and radiant floor heating.

HIGH PERFORMANCE INSULATION GUARANTEED. Rigid polyurethane foam CFC free 0.025 w/m °k (for example a CV600P losses 0.18°ch).

NO MAINTENANCE for Immersion heater as it is placed on the primary circuit with no risk of corrosion as no reoxygenation of the water is allowed.

PASS THROUGH 800mm WIDE DOORS. The 800 and 1000 litre models pass through 800 mm doors wide thanks to the part/removable thermal insulation.



DOUBLE WALL "MULTIFUNCTIONAL" TANK CV-P (WITH COIL)

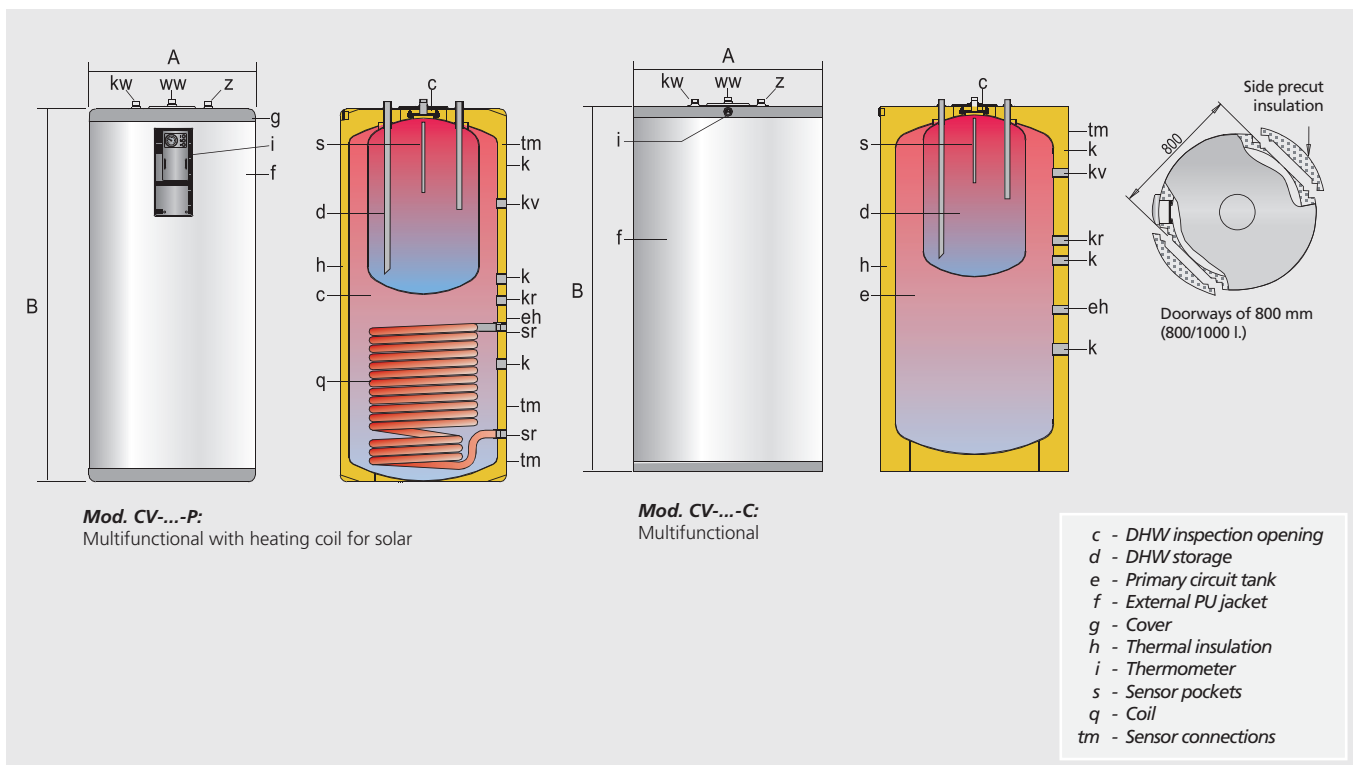
- Multifunctional tanks of 600, 800, and 1000 litres, specially designed for one or several installations combining different energy sources at the same time.
- The external or inertia tank (primary circuit), made in carbon Steel St 37.2, includes a heat exchanger also in carbon Steel St 37.2 and an internal tank glass lined according to DIN 4753 T3 for the continuous production of DHW.
- The unit is insulated with high performance rigid, mould-injected, CFC-free polyurethane foam with removable sides to allow the 800 litres and 1000 litres models to fit through 800 mm wide doors.
- It is finished with a removable external lining in RAL 9016 white, a top cover and a control panel with thermometer in RAL 7021 grey.
- Magnesium cathodic protection as standard - Optional Lapesa Correx up maintenance free titanium cathodic protection.
- For Vertical installation floor standing.
- S control panel with thermometer - Optional K (temperature gauge, safety and regulation thermostat and summer/winter switch) or KP1 (K features + analogic programmer).
- Optional Immersion electric heater on primary circuit, see below chart.

DOUBLE WALL "MULTIFUNCTIONAL" TANK FOR HEAT PUMP CV-P (WITHOUT COIL)

- The models are specially designed for use with heat pumps and/or for combining several energy sources at the same time.
- The external or inertia tank (primary circuit), made in coiling Steel St 37.2, includes a tank made of AISI 316 L austenitic stainless steel for the continuous production of DHW.
- The unit is insulated with high performance rigid, mould-injected, CFC-free polyurethane foam and it is finished off with a removable external lining in RAL 9016 white, a top cover and a control panel with thermometer in RAL 7021 grey.
- Magnesium cathodic protection as standard - Optional Lapesa Correx up maintenance free titanium cathodic protection.
- For Vertical installation floor standing.
- Thermometer at the top cover (No control panel available).
- Optional Immersion electric heater on primary circuit, see below chart.

Electric heating

Compatible immersion heater	Setting	kW/V	PHASE	CV-600-P/C	CV-800-P/C	CV-1000-P/C
KRI 4I2-22	2" side connection	2,2 / 230-400	Mono/Tri	X	X	X
KRI 4I2-54	2" side connection	5,4 / 400	Tri	X	X	X
KRI 4I2-72	2" side connection	7,2 / 400	Tri	X	X	X
KRI 4I2-90	2" side connection	9,0 / 400	Tri	X	X	X
KRI 4I2-120	2" side connection	12,0 / 400	Tri	X	X	X



Mod. CV-...-P:
Multifunctional with heating coil for solar

Mod. CV-...-C:
Multifunctional

- c - DHW inspection opening
- d - DHW storage
- e - Primary circuit tank
- f - External PU jacket
- g - Cover
- h - Thermal insulation
- i - Thermometer
- s - Sensor pockets
- q - Coil
- tm - Sensor connections

Characteristics / Connections / Dimensions		CV-600-P	CV-800-P	CV-1000-P	CV-600-C	CV-800-C	CV-1000-C
DHW capacity	Litres	579	773	970	579	773	970
DHW capacity	Litres	150	150	200	150	150	200
Primary circuit tank capacity	Litres	429	623	770	429	623	770
Solar coil surface	m ²	2,4	2,4	2,4	-	-	-
Heat loss rate	Wh/24h.l.K	0,11	0,11	0,09	0,11	0,11	0,09
Empty weight approx	kg	170	260	290	130	229	259
kw: Cold water flow	"GAS/M"	1	1	1	1	1	1
ww: Hot water return	"GAS/M"	1	1	1	1	1	1
z: DHW recirculation	"GAS/F"	1	1	1	1	1	1
kv: Primary flow	"GAS/F"	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
kr: Primary return	"GAS/F"	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
sv: Solar flow	"GAS/F"	1	1	1	-	-	-
sr: Solar return	"GAS/F"	1	1	1	-	-	-
eh: Electric immersion heater connection	"GAS/F"	2	2	2	2	2	2
k: Side connection	"GAS/F"	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
tm: Sensor connections	"GAS/F"	1/2	1/2	1/2	1/2	1/2	1/2
Dimension A: Diameter	mm	770	950	950	770	950*	950*
Dimension B: Total height	mm	1730	1840	2250	1730	1840	2250
KW double wall –DHW production (1)	kW - l/h	9 - 235	9 - 235	10 - 250	9 - 235	9 - 235	10 - 250
KW double wall –DHW production ECS (2)	kW - l/h	35 - 850	35 - 850	45 - 1125	35 - 850	35 - 850	45 - 1125
Coil Kw – Production ECS (3) - DHW production	kW - l/h	16 - 400	17 - 450	21 - 505	-	-	-

(1) Secondary temperature increase: 10-45°C / Primary flow: 3 m³/h / Incoming primary temperature: 55°C

(2) Secondary temperature increase: 10-45°C / Primary flow: 3 m³/h / Incoming primary temperature: 90°C

(3) Secondary temperature increase: 10-45°C / Primary flow: 3 m³/h / Incoming primary temperature: 90°C

* 800 and 1000 litres pass through 800 mm wide doors thanks to its pre cutted detachable insulation.