

DHW PRODUCTION AND STORAGE TANKS

CORAL VITRO, OVERDIMENSIONED COIL

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

RENEWABLE ENERGIES For usage with heat pumps and solar energy.

FASTER DHW PRODUCTION THAN STANDARD COILS A CV300HL produces 800 l./h at 45°C (Primary flow: 3,1 m3/h at 55°C and a secondary temperature increase of 35°C).

DHW Tank glass lined according to DIN 4753 T3. Glass lining is the only coating process which guarantees perfect impermeability and resistance.

ENERGY SAVING. High performance insulation guaranteed with 80mm rigid polyurethane CFC free foam 0.026 w/m °k (example a 300 litres will lose 0,27°C/h).

EASY MAINTENANCE 2 access for cleaning and maintenance. 1 top 1 on the side.

PASSES THROUGH 800 mm wide doors thanks to its pre-cutted insulation.

LONG LIFE IMMERSION HEATERS made in INCOLOY825 with low density of charge.



VITRIFIED STEEL

Technical characteristics		
Max. temperature DHW tank	°C	90
Max. temperature. Coil circuit	°C	200
Max. pressure DHW tank	bar	8
Max. pressure. Coil circuit	bar	25



Product specially designed for the production of DHW with SOLAR PANELS or HEAT PUMP.

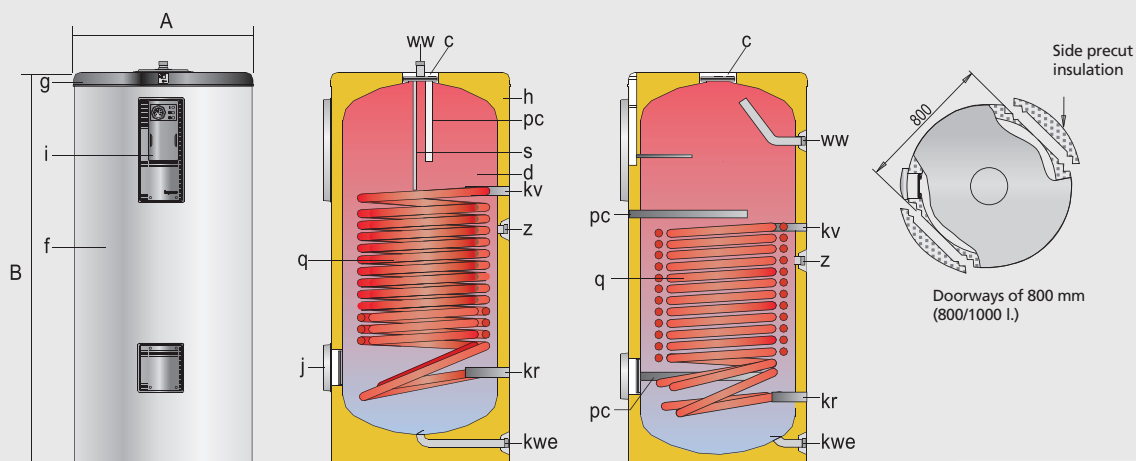


DHW PRODUCTION AND STORAGE SERIES WITH OVERDIMENSIONED COIL

- DHW capacities: 200, 300, 400, 500, 800 and 1000 litres.
- DHW tank glass lined according to DIN 4753 T3 with overdimensioned coil.
- Factory Insulated with high performance hard foam mould injected CFC and HCFC free polyurethane foam. 0.025 W/m°K.
- Magnesium cathodic protection with charge measurer as standard.
- RAL9016 white PU jacket.
- 2 access holes; 1 at the top of the calorifier and one on the side.
- « T » control panel: Thermometer.
- Detachable precutted insulation sides to allow the tank go through 800 mm wide doors.
- Optional - KRB Incoloy 825 immersion heater to be fitted on the side access hole (flange).
- Optional - « TD » control panel with thermometer double safety and security thermostat and summer/winter switch.
- Summer position : Thermostatic control of the immersion heater. Winter position: Thermostatic control through the primary heating source (coil).
- Optional - « BC » control panel with thermometer double safety and regulation thermostat, A/M switch. **NEW.**
- A position: Thermostatic control of the immersion heater from the heat pump. M position independant thermostatic control of the immersion heater.
- Optional - « TPA » control panel: Thermometer and safety and regulation thermostat + summer/winter switch and analogic programmer.
- Optional - Lapesa CORREX UP maintenance free electric Titanium cathodic protection.

Electric heating

Compatible electric heater	Setting	kW/V	PHASE	CV-200-HL	CV-300-HL	CV-400-HL	CV-600-HL	CV-800-HL	CV-1000-HL
KRB-25CV	Side access flange	2,5 / 230-400	Mono/Tri	X	X	X	X	X	X
KRB-50CV	Side access flange	5 / 230-400	Mono/Tri	X	X	X	X	X	X
KRB-75CV	Side access flange	7,5 / 230-400	Mono/Tri					X	X



Mod. CV-200...500-HL

Mod. CV-800...1000-HL

- c* - DHW inspection opening
- d* - DHW storage
- f* - External PU jacket
- g* - Cover
- h* - Thermal insulation
- i* - Control panel
- s* - Sensor connections
- q* - Overdimensioned coil
- pc* - Anode
- j* - Side access opening

Characteristics / Connections / Dimensions		CV-200-HL	CV-300-HL	CV-400-HL	CV-500-HL	CV-800-HL	CV-1000-HL
DHW capacity	Litres	200	300	400	500	800	1000
Lower coil exchange surface	m ²	2,4	3,1	4,8	4,8	5,7	6,1
Heat loss rate	Wh/24h.l.K	0,18	0,16	0,16	0,13	0,11	0,09
Empty weight approx.	kg.	100	130	185	195	265	305
kw, e: Cold water inlet / Drainage	"GAS/M"	1"	1"	1"	1"	1 1/4"	1 1/4"
ww: Hot water outlet	"GAS/M"	1"	1"	1"	1"	1 1/2"	1 1/2"
kv, kr: Coil connections	"GAS/F"	1"	1"	1"	1"	1"	1"
z: DHW recirculation	"GAS/M"	1"	1"	1"	1"	1 1/2"	1 1/2"
Dimension A: Diameter	mm	620	620	770	770	950*	950*
Dimension B: Total height	mm	1205	1685	1475	1690	1840	2250
KW coil - primary flow (1)	kW - m ³ /h	23 - 2	29 - 2	37 - 4	37 - 2	53 - 3	55 - 3
Kw coil - Primary flow (2)	kW - m ³ /h	92 - 4	115 - 4	143 - 4	143 - 4	169 - 5	178 - 5

(1) Secondary temperature: 10-45°C / Primary water incoming temperature: 55°C.

(2) Secondary temperature: 10-45°C / Primary water incoming temperature: 90°C.