



CORAL VITRO - VITREOUS ENAMELLED STEEL

Models with COIL, production and efficiency!

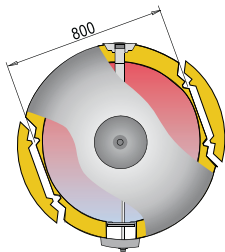
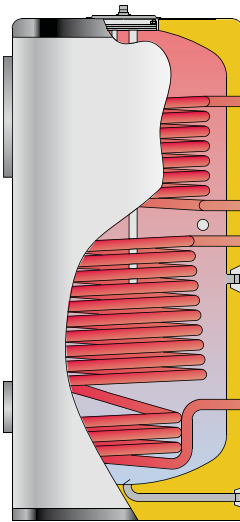
Tanks with high-efficiency, internal heat exchange coils for high DHW production demands at peak flow. Their overdimensioned, rigid, mould-injected PU thermal insulation maintains DHW storage temperature for long periods without the need for any additional energy input, providing users with continued savings throughout the life of the storage tank.



STORAGE TANKS WITH COIL: Tanks with high-efficiency, internal heat exchange coils for high DHW production demands at peak flow.

Models with one or two coils for the production of DHW using one or two energy sources, with the option of adding backup electric heating elements. Overdimensioned, rigid, mould-injected PU thermal insulation maintains the DHW storage temperature over long periods of time without requiring additional energy input. This means less start-ups and adjustments of external energy sources, which translates to energy savings.

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



Detail of pre-cut insulation on 800 and 1000 litre tanks for access through 800 mm wide doors.

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

EASY TO MAINTAIN: With access to tank interior through side and top ports, for inspection and cleaning. In models M1B/M2B there is a ND400 manhole on the side of the tank.

EASY TO INSTALL: Their dimensions facilitate access to enclosed spaces, even the models with capacities of 800 and 1000 litres, with a detachable system for the insulation on the two opposite sides of the tank, allowing access through 800 mm wide entrances.

ELECTRIC HEATING: Ready to be fitted with Incoloy, low charge density electric immersion elements or with ceramic heating elements, with integrated control and regulation units. (See ELECTRIC HEATING chapter, page: 86).

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

lapesa storage tanks have minimal heat losses and for this reason are considered to be one of the products with the greatest storage capacity on the market.



FEATURES COMMON TO ALL "CORAL VITRO" COIL MODELS:

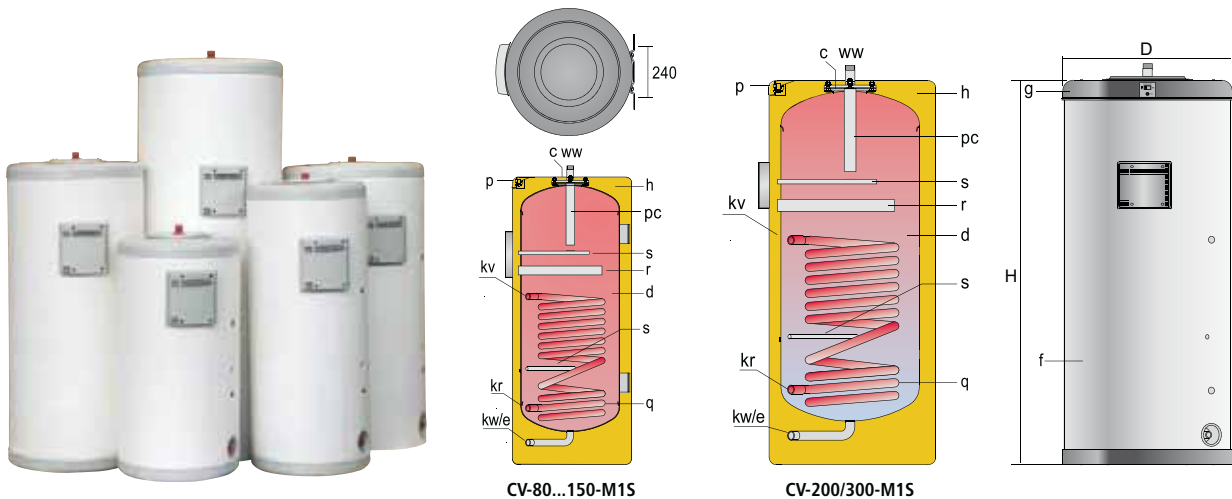
- **VITREOUS ENAMELLED STEEL** DHW storage tank according to **DIN 4753 T3**
- Capacities: **200, 300, 500, 800, 1000 and 1500 litres**
- Maximum working pressure of DHW storage tank: **8 bar** (10 bar optional)
- Maximum working pressure of coil/s: **25 bar**
- Maximum working temperature of DHW storage tank: **90 °C**
- Maximum working temperature of coil/s: **200 °C**
- Thermal insulation: **Rigid, mould-injected PU** (CFC/HCFC-free, 0.025 W/m²K)
- External lining: RAL 9016 WHITE padded PVC external lining with zip fastener, RAL 7035 GREY cover
- Cathodic protection: **Magnesium anodes** with anode charge meter on cover
- Tanks for VERTICAL installation on floor.

CORAL VITRO "M1S"

Storage tanks with **"ONE COIL"** for the production of DHW using an external energy source.
 Specially designed for **DISTRIBUTED SOLAR ENERGY** installations.
 With sheath incorporated for backup ceramic electric heating element.
 Cathodic protection with magnesium anode and anode charge meter.
 Finish: RAL 9016 padded external lining and RAL 7035 grey cover.
 Designed for wall mounting for models up to 150 litres capacity.

OPTIONAL EQUIPMENT:

KIT: ceramic heating element with dual control and safety thermostat for backup electric heating.
 Brackets for wall mounting, up to model CV-150-M1S.



GENERAL CHARACTERISTICS		CV-80-M1S	CV-110-M1S	CV-150-M1S	CV-200-M1S	CV-300-M1S
DHW capacity	l.	80	110	150	200	300
D: external diameter	mm.	480	480	560	620	620
H: overall height	mm.	935	1155	1265	1205	1685
kw/e: cold water inlet / drain	" GAS/M	3/4	3/4	3/4	1	1
ww: DHW outlet	" GAS/M	3/4	3/4	3/4	1	1
kv: primary input	" GAS/F	1/2	1/2	1/2	1/2	1/2
kr: primary return	" GAS/F	1/2	1/2	1/2	1/2	1/2
Heating coil surface	m ²	0,3	0,5	0,6	0,8	1,3
Empty weight (approx.)	Kg	43	51	65	72	91

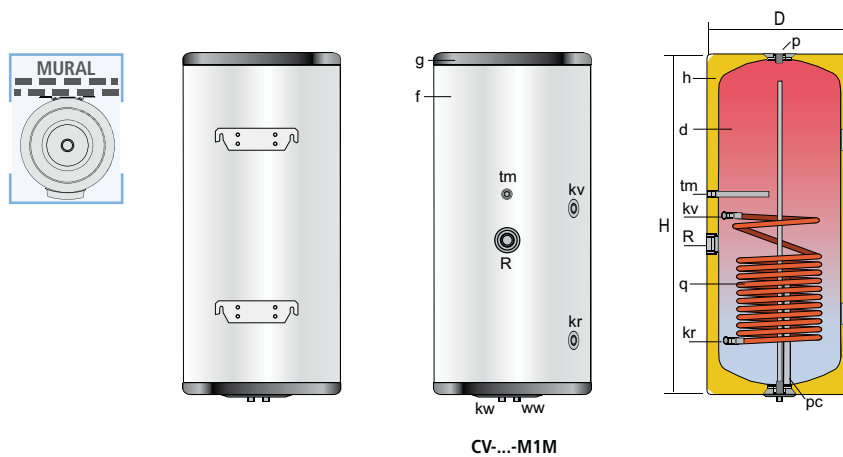
c - Top inspection hole
 d - DHW tank
 f - Outer lining
 g - Cover
 q - Heating coil
 h - Thermal insulation
 s - Probe tube for sensors
 r - Electric element sheath
 p - Anode meter
 pc- Cathodic protection anode

CORAL VITRO "M1M" **NEW**

Storage tanks with **ONE COIL** for the production of DHW using an external energy source, such as a boiler or solar panels. **ONLY WALL MOUNTING INSTALLATION**, with connections on the lower part. Cathodic protection with magnesium anode and anode charge meter. Finish: RAL 9016 padded external lining and RAL 7035 grey cover.

EQUIPAMIENTO OPCIONAL:

Immersion electric heating element, 1500 W, with dual control and safety thermostat for backup electric heating.



CV...-M1M

CARACTERÍSTICAS GENERALES		CV-90-M1M	CV-120-M1M	CV-160-M1M
DHW capacity	l.	90	110	150
D: external diameter	mm.	480	480	560
H: overall height	mm.	850	1155	1095
kw: cold water inlet / drain	" GAS/M	3/4	3/4	3/4
ww: DHW outlet	" GAS/M	3/4	3/4	3/4
kv: primary input	" GAS/H	1/2	1/2	1/2
kr: primary return	" GAS/H	1/2	1/2	1/2
R: connexion for electric heating element	" GAS/H	1-1/2	1-1/2	1-1/2
Heating coil surface	m ²	0,3	0,6	0,8
Empty weight (approx.)	Kg	43	51	65

- c - Top inspection hole
- d - DHW tank
- f - Outer lining
- g - Cover
- h - Thermal insulation
- p - Drain connexion
- pc - Cathodic protection anode
- q - Coil
- R - Electric element connexion
- tm - Probe tube for sensors

CORAL VITRO "M1"

Storage tanks with **"ONE COIL"** for the production of DHW using an external energy source (boiler, solar panels, heat pump, etc.).

They can be fitted with immersion electric elements or ceramic electric elements.

800 and 1000 litre capacity tanks include an insulation system that allows them to pass through 800 mm wide doors.

"M1B" models with ND400 side manhole.

Vertical WALL installation up to the 150 liter model.

Cathodic protection with magnesium anodes and anode tester (CV-110 ... 500-M1), or with direct contact magnesium anodes (CV-800 ... 1500-M1 / M1B).

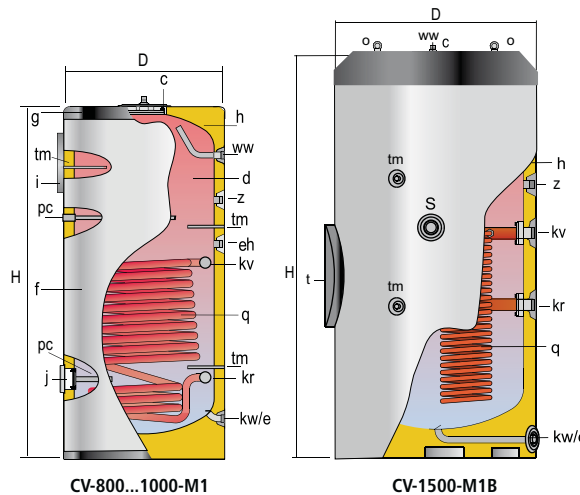
Finishing consisting of a white RAL 9016 jacket and a gray RAL 7035 top cover fitted at the factory (except CV1500M1B model fitted with gray RAL 7042 jacket delivered separately).

Optionally, immersion or ceramic electrical heating elements (see p. 86) regulated by means of a control panel for the capacities below 1,000 liters (see p. 88) or a double thermostat for the CV1500M1B (see p. 74).

EQUIPMENT:

Thermometer in "TS" side panel (except models CV1500M1 and CV1500M1B).

Brackets for wall mounting, up to model CV-150-M1



- c - Top inspection hole
- d - DHW tank
- kw/e - Cold water inlet / drain
- eh - Side connection
- f - Outer lining
- g - Cover
- h - Thermal insulation
- i - Control panel
- j - Inspection hole
- o - Lifting eyes
- pc - Cathodic protection anode
- q - Heating coil
- t - Side manhole ND400
- tm - Probe tube connection for sensors

GENERAL CHARACTERISTICS		CV 110-M1	CV 150-M1	CV 200-M1	CV 300-M1	CV 500-M1	CV 800-M1	CV 1000-M1	CV 1500-M1	CV 800-M1B	CV 1000-M1B	CV 1500-M1B
DHW capacity	l.	110	150	200	300	500	800	1000	1500	800	1000	1500
D: external diameter	mm.	480	560	620	620	770	950	950	1160	950	950	1160
H: overall height	mm.	1155	1265	1205	1685	1690	1840	2250	2320	1840	2250	2320
kw/e: cold water inlet / drain	" GAS/M	3/4	3/4	1	1	1	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	1 1/2
ww: DHW outlet	" GAS/M	3/4	3/4	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
z: recirculation	" GAS/M	-	-	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
eh: side connection	" GAS	-	-	-	2 M	2 M	1 1/2 H	1 1/2 H	2 M	1 1/2 H	1 1/2 H	2 M
kv: primary input	" GAS/F	1/2	1/2	1	1	1	1	1	1	1	1	1
kr: primary return	" GAS/F	1/2	1/2	1	1	1	1	1	1	1	1	1
Heating coil surface	m ²	0,6	0,8	1,4	1,8	2,0	2,7	3,3	4,0	2,7	3,3	4,0
Side manhole	ND mm.	-	-	-	-	-	-	-	-	ND400	ND400	ND400
Empty weight (approx.)	Kg	55	66	85	115	160	195	230	394	225	260	424

CORAL VITRO "M2"

Storage tanks with **"TWO COILS"** for the production of DHW using two combined external energy sources (boiler, solar panels, heat pump, etc.).

They can be fitted with immersion electric elements or ceramic electric elements.

The 800 and 1000 litre capacity tanks include an insulation system that allows them to pass through 800 mm wide doors. "M2B" models with ND400 side manhole.

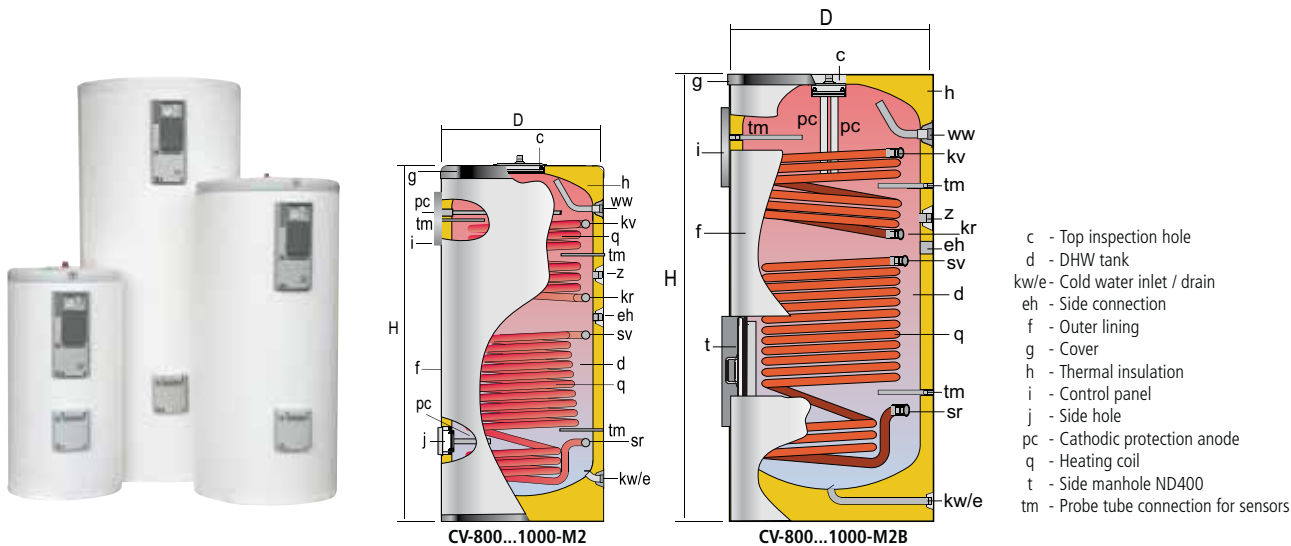
Cathodic protection with magnesium anodes and anode tester (CV-300 ... 500-M2), or with direct contact magnesium anodes (CV-800 ... 1000-M2 / M2B).

Finishing consisting of a white RAL 9016 jacket and a gray RAL 7035 top cover fitted at the factory.

Optionally, immersion or ceramic electrical heating elements (see p. 86) regulated by means of a control panel for the capacities below 1,000 liters (see p. 88).

EQUIPMENT:

Thermometer in "TS" side panel (except models CV1500M2 and CV1500M2B).



GENERAL CHARACTERISTICS		CV-300-M2	CV-400-M2	CV-500-M2	CV-800-M2	CV-1000-M2	CV-1500-M2	CV-800-M2B	CV-1000-M2B	CV-1500-M2B
DHW capacity	l.	300	400	500	800	1000	1500	800	1000	1500
D: external diameter	mm.	620	770	770	950	950	1160	950	950	1160
H: overall height	mm.	1685	1475	1690	1840	2250	2320	1840	2250	2320
kw/e: cold water inlet / drain	" GAS/M	1	1	1	1 1/4	1 1/4	1 1/2	1 1/4	1 1/4	1 1/2
ww: DHW outlet	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
z: recirculation	" GAS/M	1	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
eh: side connection	" GAS	2 M	2 M	2 M	1 1/2 H	1 1/2 H	2 M	1 1/2 H	1 1/2 H	2 M
kv, kr: upper coil connections	" GAS/F	1	1	1	1	1	1	1	1	1
sv, sr: lower coil connections	" GAS/F	1	1	1	1	1	1	1	1	1
Lower coil heating surface	m ²	1,8	1,5	2,0	2,7	3,3	4,0	2,7	3,3	4,0
Upper coil heating surface	m ³	0,7	0,7	1,2	1,3	1,3	1,3	1,3	1,3	1,3
Side manhole	ND mm.	-	-	-	-	-	-	ND400	ND400	ND400
Empty weight (approx.)	Kg	120	150	175	213	249	415	243	279	445