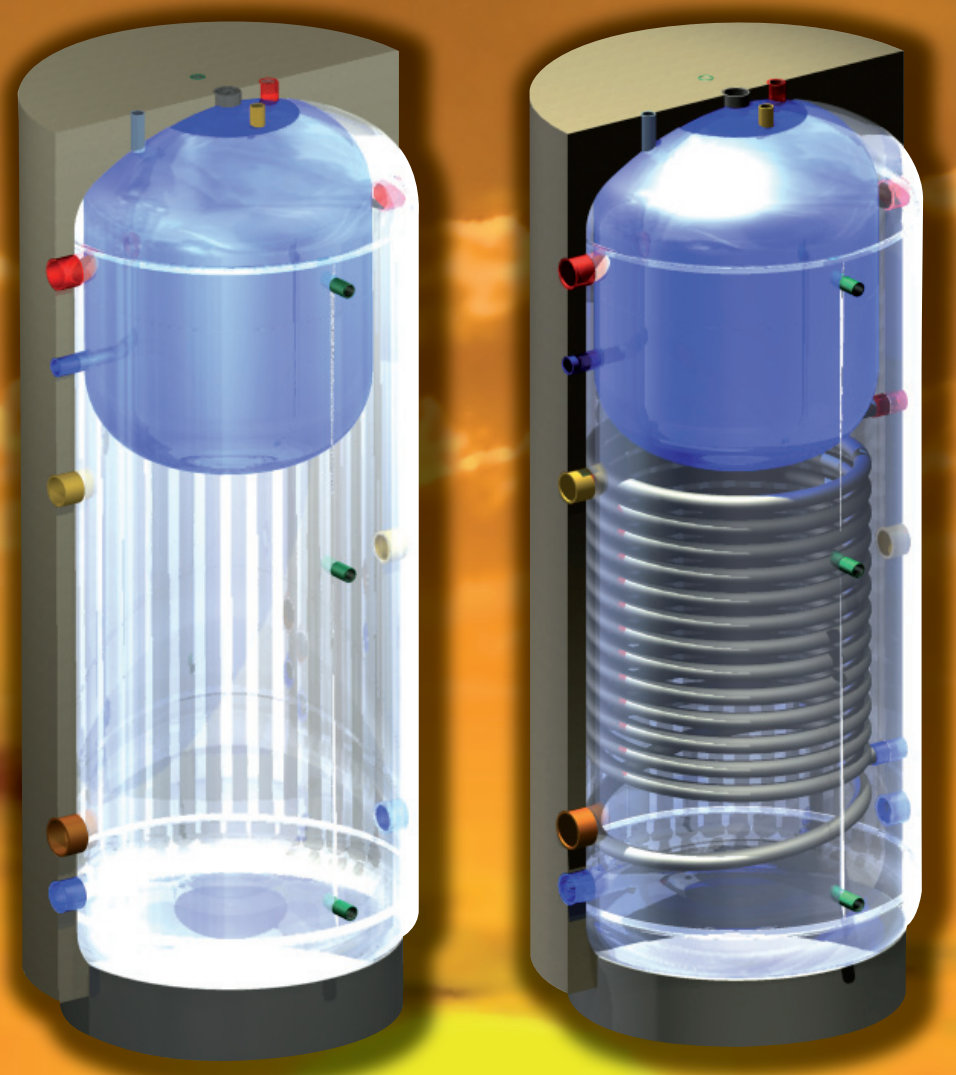
COMBI
Heat-accumulators

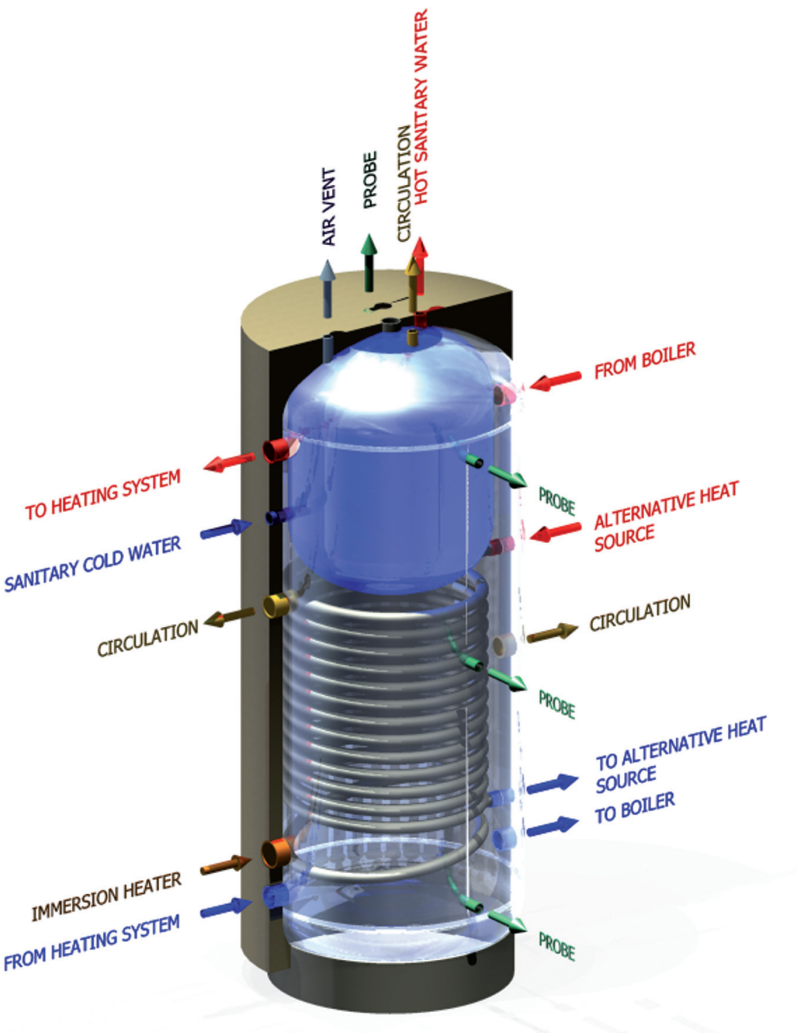
For a constant and immediate energy reserve



COMBI Series

from 500 to 1000 litres

HIGH PERFORMANCE HEAT-ACCUMULATORS FOR STORING HOT WATER FOR BOTH HEATING AND HOT WATER SANITARY APPLICATIONS



The ELBI **COMBI** series heat-accumulator provides a source of constant and immediate energy.

Easy and fast to install, it supplies hot water to both central heating systems and sanitary applications.

The COMBI heat-accumulator consists of a Puffer tank for storing the hot water for the heating system, and a glasslined hot water cylinder for storing the Domestic hot water.

The COMBI heat-accumulator is ideal for use with various alternative energy sources such as solar power, heat pumps, pellet stoves, boiler chimneys and wood boilers.

The COMBI PLUS version with internal coil gives the opportunity to integrate the alternative sources to the traditional heat sources (e.g. gas boilers), to guarantee a supply of hot water at any time of the day.

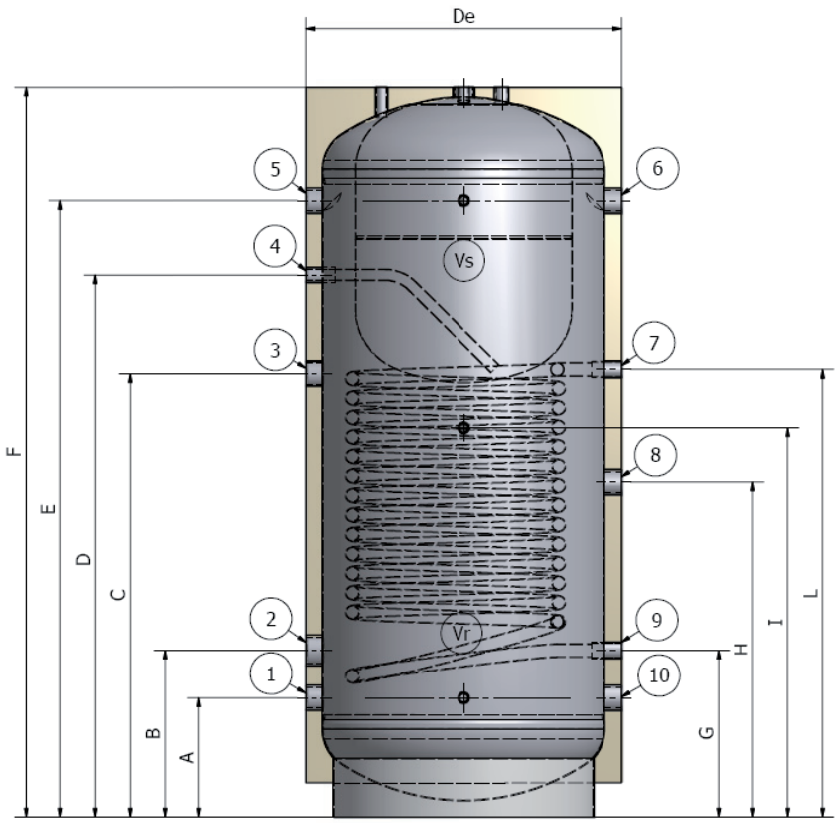
Technical data

Vr heat-accumulator:	Max. working pressure 3 bar Max. working temperature 95°C
Vs Cylinder:	Max. working pressure 6 bar Max. working temperature 95°C
Heat exchanger(*):	Max. working pressure 12 bar Max. working temperature 110°C
Cylinder internal treatment:	Anticorrosion ENAMELLING according to DIN 4753 standards
Insulation:	CFC and HCFC free polyurethane insulation
Magnesium anode:	Standard
Cylinder warranty: **Heat-accumulator warranty:**	**5 Years** **2 Years**

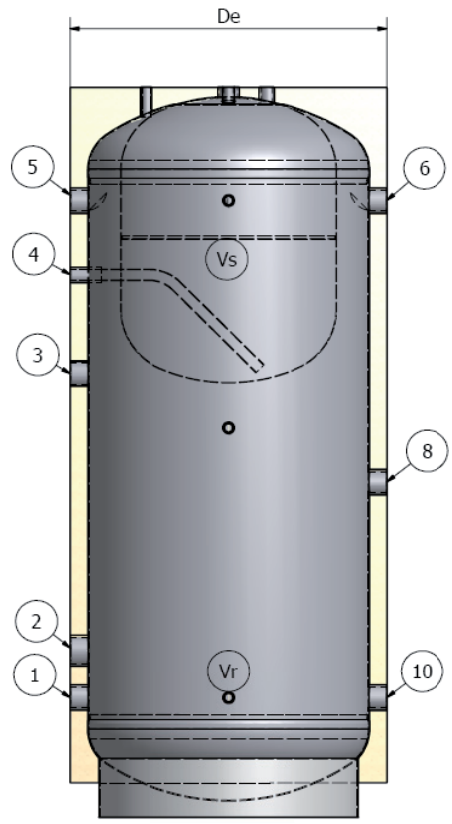
N.B. During installation ensure that the cylinder (Vs) is filled before the heat accumulator (Vr).
In all events, the heat-accumulator pressure must never exceed the cylinder pressure of 1.5 bar.

COMBI heat-accumulators are in compliance with Art. 3.3. of European Directive 97/23/EC (PED) with exemption from EC marking

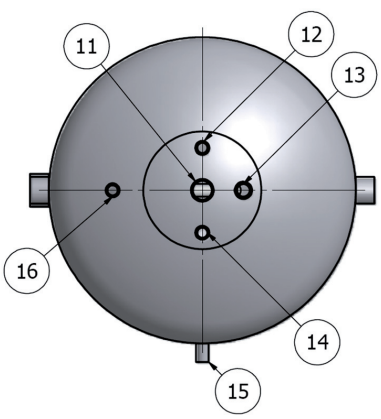
(*) Only for COMBI PLUS Version.



CMP - COMBI PLUS
(with internal heat exchanger)



CMS - COMBI STANDARD
(without heat exchanger)



Connections

N.	Coupling	Description
1	1”	Return from heating system
2	2”	Immersion heater
3	1”	Circulation
4	3/4”	Mains water supply \ Sanitary tank drain
5	1”	Send to heating system
6	1”	Flow from boiler
7*	1”	Flow from alternative heat source
8	1”	Circulation
9*	1”	Return to alternative heat source
10	1”	Return to boiler
11	1” 1/4	Magnesium anode
12	1/2”	Probe
13	3/4”	Sanitary hot water outlet (DHW)
14	1/2”	Sanitary hot water circulation
15	1/2”	Probes
16	1/2”	Air vent

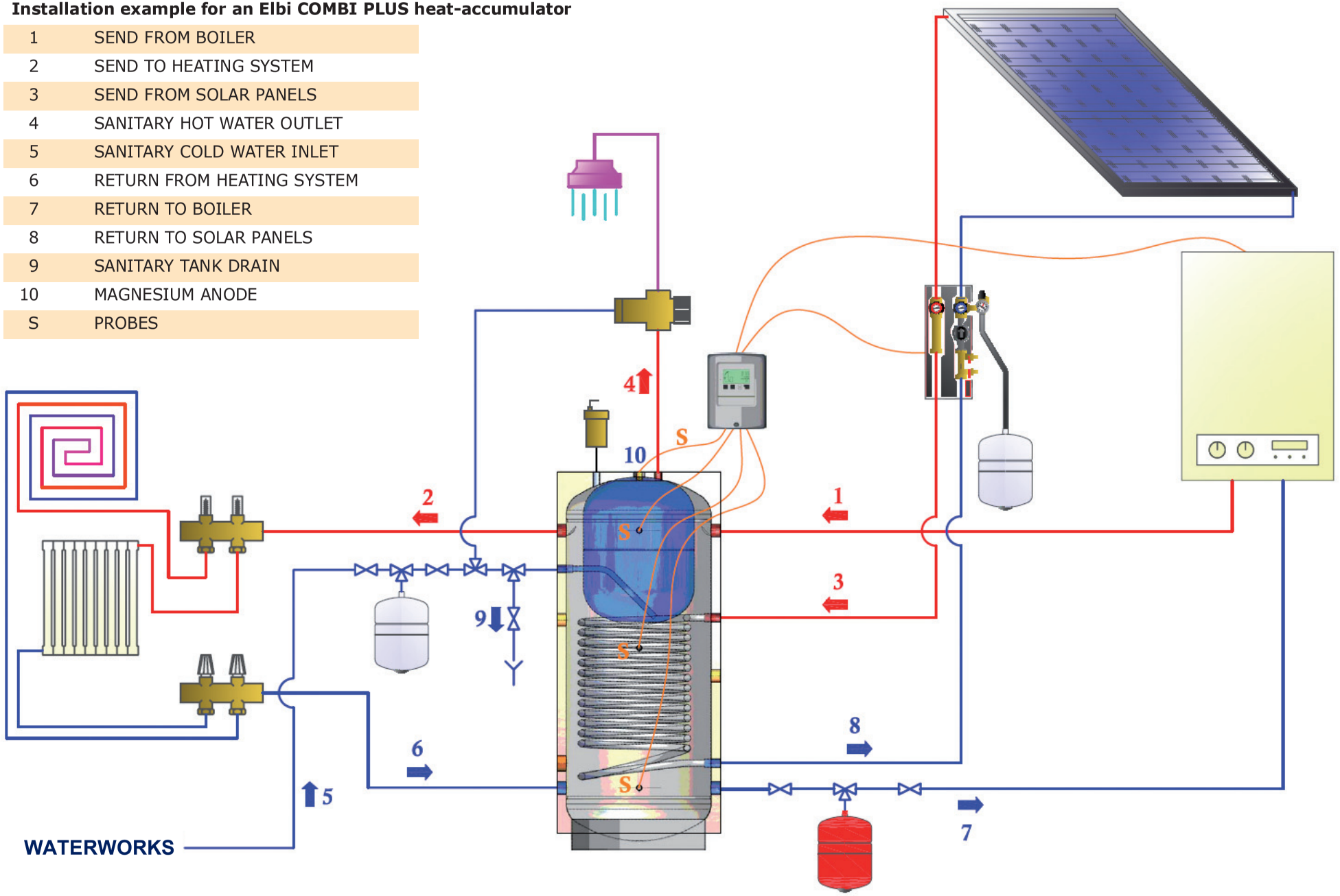
DIMENSIONAL DATA

MOD.	Capacity Litres	De mm	A mm	B mm	C mm	D mm	E mm	F mm	G* mm	H mm	I mm	L* mm	Coil* m²	Vs Litres	Vr Litres
COMBI	500	750	275	385	1.025	1.255	1.425	1.685	385	775	900	1.035	2,0	100	400
	800	900	325	425	975	1.130	1.425	1.780	425	825	975	1.425	2,5	200	600
	1.000	900	325	425	1.125	1.235	1.705	2.030	425	875	1.000	1.705	2,5	300	700

(*) Only for COMBI PLUS Version

Installation example for an Elbi COMBI PLUS heat-accumulator

1	SEND FROM BOILER
2	SEND TO HEATING SYSTEM
3	SEND FROM SOLAR PANELS
4	SANITARY HOT WATER OUTLET
5	SANITARY COLD WATER INLET
6	RETURN FROM HEATING SYSTEM
7	RETURN TO BOILER
8	RETURN TO SOLAR PANELS
9	SANITARY TANK DRAIN
10	MAGNESIUM ANODE
S	PROBES



N.B.:Tthis diagram is purely an indication and is not binding, as the planner must choose the best installation and components, in respect of current legislation and the indications given by the manufacturers of the various parts.

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