COMBI

MULTY ENERGY BUFFER TANKS FOR DOMESTIC HOT WATER PRODUCTION

495 - 916 litres

INTERNAL GLASSLINING:

DIN 4753 | The glasslining treatment makes the cylinder suitable to contain hot water for sanitary use and resistant to corrosive phenomena.
The glasslining treatment makes the cylinder suitable to contain hot water for sanitary use and resistant to corrosive phenomena.

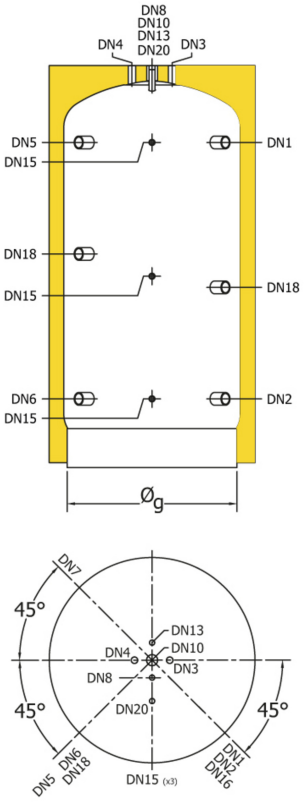
INSTALLATIONS

· traditional boilers (wall-hung and/or floor-standing)
· condensing boilers
· solar thermal systems

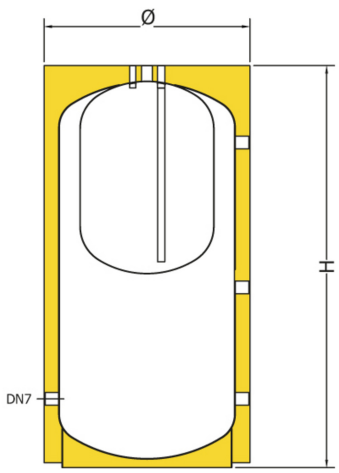
CHARACTERISTICS

MAX TEMPERATURE	95 °C	MAX PRESSURE	3 bar
SANITARY ACC. MAX TEMPERATURE	95 °C	MAX PRESSURE OF SANITARY ACC.	6 bar
EXCHANGER MAX TEMPERATURE	110 °C	EXCHANGER MAX PRESSURE	12 bar

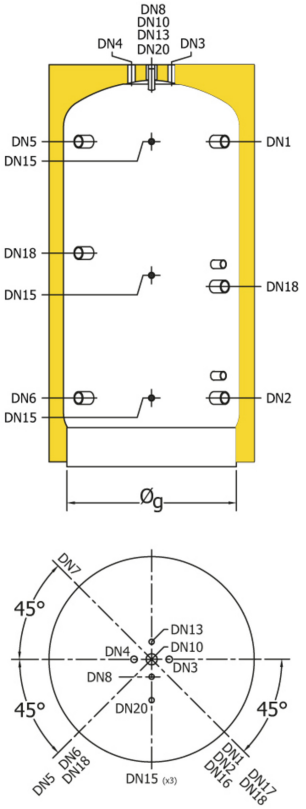
CMS 500-1000



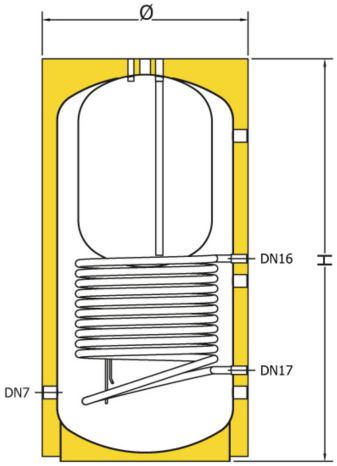
CMS 500-1000



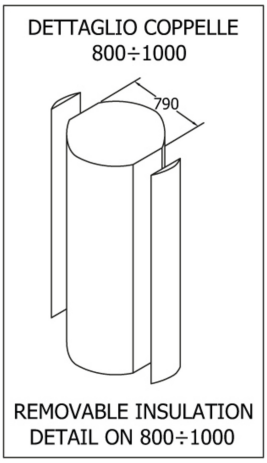
CMP 500-1000



CMP 500 - 1000



COMBI 800 - 1000 CUPS



Keyword

DN	Description
DN1	Inlet from boiler
DN2	Return to boiler
DN3	Mains water supply
DN4	DHW draw-off
DN5	Flow to heating system
DN6	Flow from heating system
DN7	Predisposition for immersion heater
DN8	DHW probe
DN10	Magnesium anode
DN13	DHW recirculation
DN15	Probe
DN16	Inlet from integration
DN17	Return to integration
DN18	Auxiliary connection
DN20	Vent

Model	Code	Energy label	St. loss W	Capacity L	DHW cap. L	Inert. cap. L	EXCHANGER		H mm	Ø skirt mm	Ø mm	Pm mm
							m^2	l				
CMS 500	A3D0L55 PGP55	C	92	491	106	385			1735	600	760	1900
CMS 800	A3D0L60 PGP75	C	131	744	203	541			1815	760	940	2050
CMS 1000	A3D0L62 PGP75	C	136	864	290	574			2065	760	940	2270
CMP 500	A3D1L55 PGP55	C	91	476	106	370	2	13	1735	600	760	1900
CMP 800	A3D1L60 PGP75	C	128	726	203	523	2.5	15	1815	760	940	2050
CMP 1000	A3D1L62 PGP75	C	134	846	290	556	2.5	15	2065	760	940	2270

Pm: pivot measurement

Connection heights (mm)

MODEL	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN10	DN13	DN15	DN15	DN15	DN16	DN17	DN18	DN18	DN20
CMS 500	1430	280	-	-	1430	280	390	-	-	-	280	1430	905	-	-	1030	780	-
CMS 800	1460	310	-	-	1460	310	410	-	-	-	310	1460	860	-	-	960	810	-
CMS 1000	1690	310	-	-	1690	310	410	-	-	-	310	1690	960	-	-	1110	860	-
CMP 500	1430	280	-	-	1430	280	390	-	-	-	280	1430	905	970	390	1030	780	-
CMP 800	1460	310	-	-	1460	310	410	-	-	-	310	1460	860	910	410	960	810	-
CMP 1000	1690	310	-	-	1690	310	410	-	-	-	310	1690	960	940	410	1110	860	-

Connection sizes

MODEL	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN10	DN13	DN15	DN16	DN17	DN18	DN20
CMS 500	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	-	-	G1.1/2"	G1/2"
CMS 800	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	-	-	G1.1/2"	G1/2"
CMS 1000	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	-	-	G1.1/2"	G1/2"
CMP 500	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	G1"	G1"	G1.1/2"	G1/2"
CMP 800	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	G1"	G1"	G1.1/2"	G1/2"
CMP 1000	G1.1/2"	G1.1/2"	G3/4"	G3/4"	G1.1/2"	G1.1/2"	G2"	G1/2"	G1.1/4"	G1/2"	G1/2"	G1"	G1"	G1.1/2"	G1/2"

Protective devices

Model	Magnesium anode code	Nr. installed magnesium anode	Diam.Ø	Conn.	Length	Reccomended sanitary expansion tank(*)
CMS 500	8560040 00002	1	32	G1.1/4"	320	DP-5
CMS 800	8560040 00002	1	32	G1.1/4"	320	DP-11
CMS 1000	8560040 00002	1	32	G1.1/4"	320	DP-18
CMP 500	8560040 00002	1	32	G1.1/4"	320	DP-5
CMP 800	8560040 00002	1	32	G1.1/4"	320	DP-11
CMP 1000	8560040 00002	1	32	G1.1/4"	320	DP-18

(*) The expansion tank must always be sized by an expert thermotechnical designer on the basis of the actual data

Insulation characteristics

Model	Insulation type	Thickness (mm)	Finish
CMS 500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006
CMS 800	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
CMS 1000	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
CMP 500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006
CMP 800	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
CMP 1000	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006

Reference standards

CYLINDER: | Directive 2014/68/EU – ART. 4.3, with exemption from CE marking. EN 12897:2020 standard. Designed and built in accordance with the requirements of 2009/125/EC and Regulation 814/2013 (EU). Labeling in accordance with the requirements of 2017/1369/EU and Delegated Regulation 812/2013 (EU).

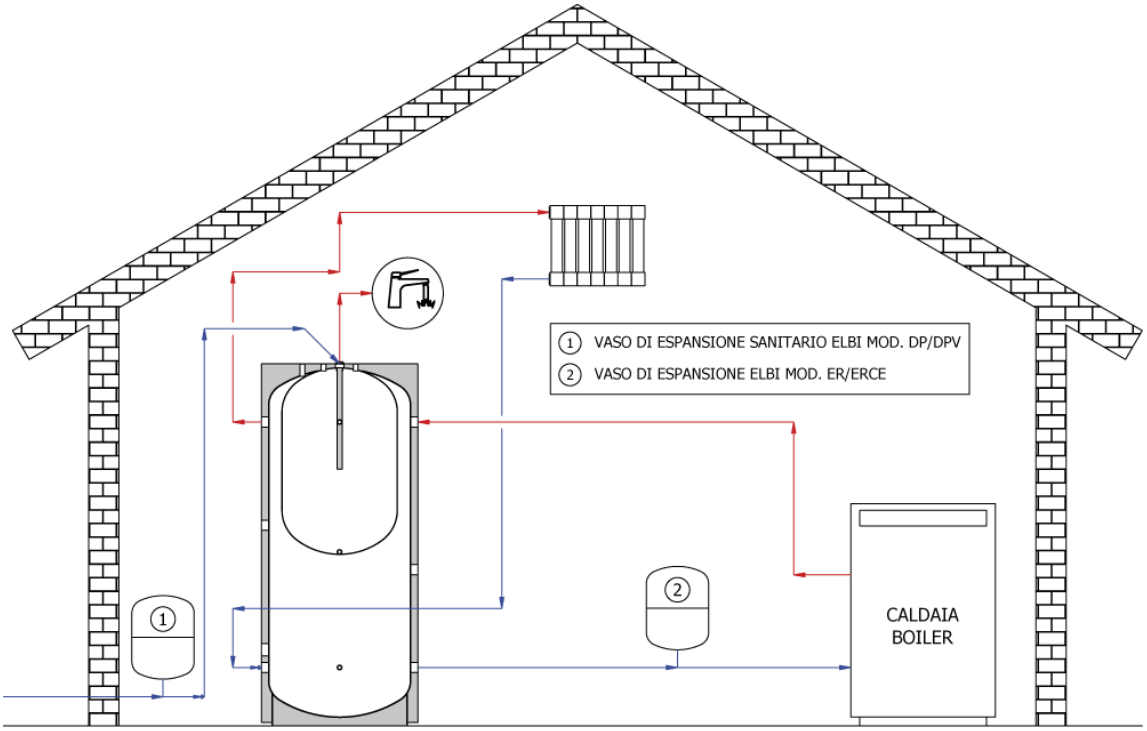
Warranty: 2 years

Immersion heaters

Code	Power	Source	Connection	Length	Applicable to 500	800	1000
IMMERSION HEATERS WITHOUT THERMOSTAT							
8601000	1	220	G1.1/4"	295	✓	✓	✓
8601650	1.65	220	G1.1/4"	450	✓	✓	✓
8602000	2	220	G1.1/4"	515	✓	✓	✓
8602600	2.6	220	G1.1/4"	675	✗	✓	✓
8602601	2.6	220	G1.1/4"	360	✓	✓	✓
8603301	3.3	220	G1.1/4"	435	✓	✓	✓
8604001	4	220	G1.1/4"	510	✓	✓	✓
8705000	5	380	G1.1/2"	445	✓	✓	✓
8706000	6	380	G1.1/2"	510	✓	✓	✓
8708000	8	380	G1.1/2"	670	✗	✓	✓
IMMERSION HEATERS WITH THERMOSTAT							
8T01500	1.5	230	G1.1/2"	320	✓	✓	✓
8T02000	2	230	G1.1/2"	320	✓	✓	✓
8T02200	2.2	230	G1.1/2"	320	✓	✓	✓
8T02500	2.5	230	G1.1/2"	320	✓	✓	✓
8T03000	3	230	G1.1/2"	320	✓	✓	✓
8T04000	4	400	G1.1/2"	400	✓	✓	✓
8T05000	5	400	G1.1/2"	500	✓	✓	✓
8T06000	6	400	G1.1/2"	600	✓	✓	✓
8T09000	9	400	G1.1/2"	700	✗	✓	✓

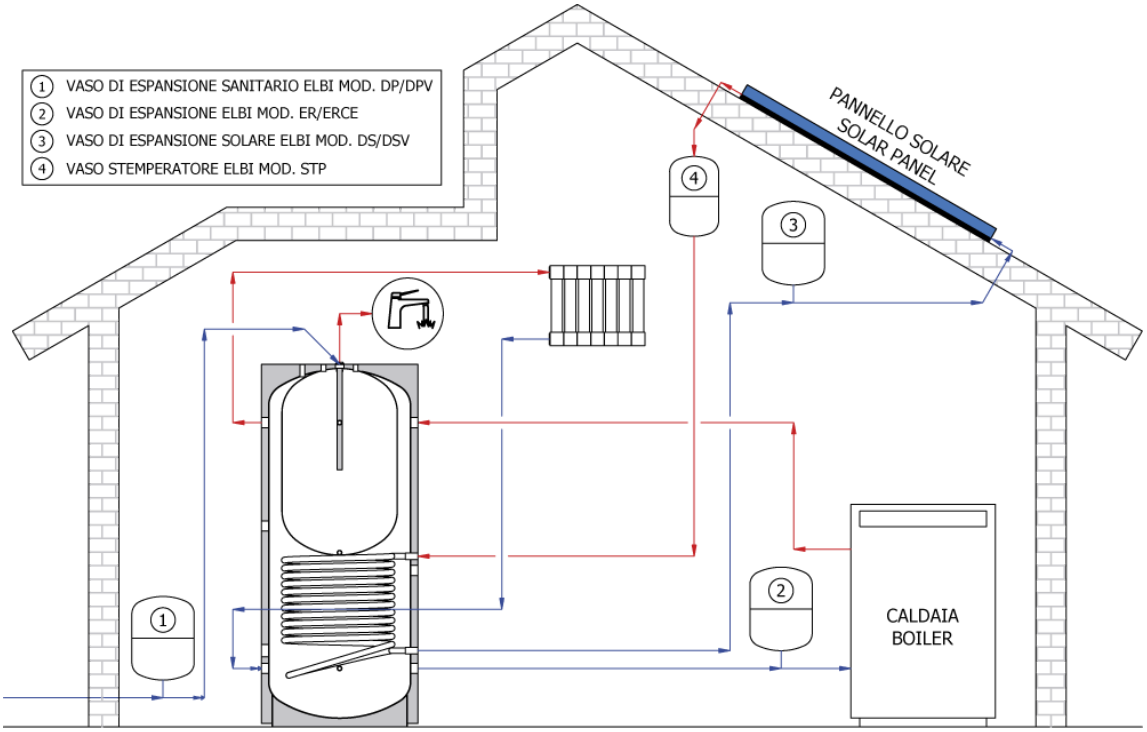
Example of installation

CMS



Illustrative diagram; always refer to a qualified technician for the realization of the systems.

CMP



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