

# TECHNICAL SHEET



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## SAC GLASSLINED CYLINDERS FOR SANITARY HOT WATER 290 - 5,129 litres

### INTERNAL GLASSLINING:

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

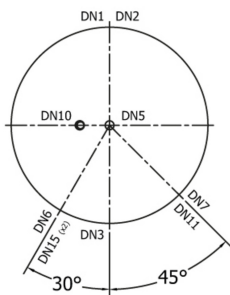
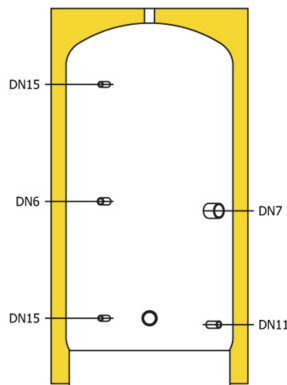
### INSTALLATIONS

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

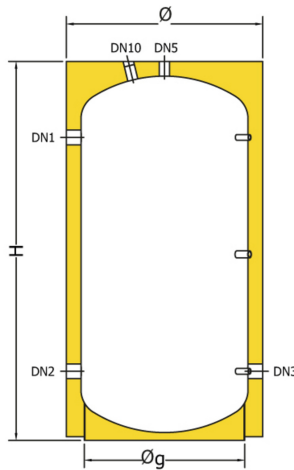
### CHARACTERISTICS

MAX TEMPERATURE	95°C	MAX PRESSURE (mod. 300 - 1000)	10 bar
MIN TEMPERATURE	10°C	MAX PRESSURE (mod. 1500 - 5000)	6 bar

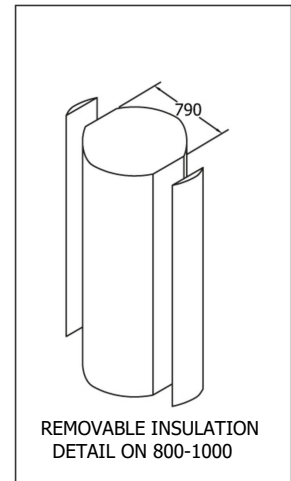
SAC 300 - 1000



SAC 300 - 1000

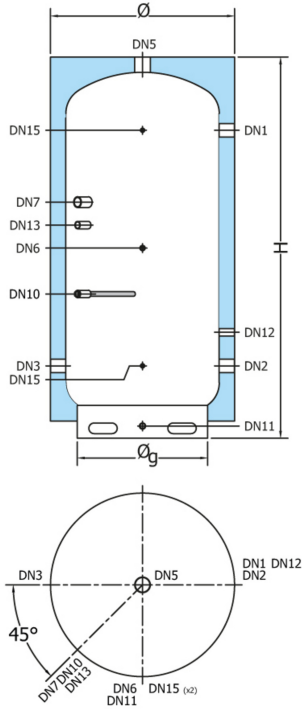


SAC 800 - 1000 CUPS

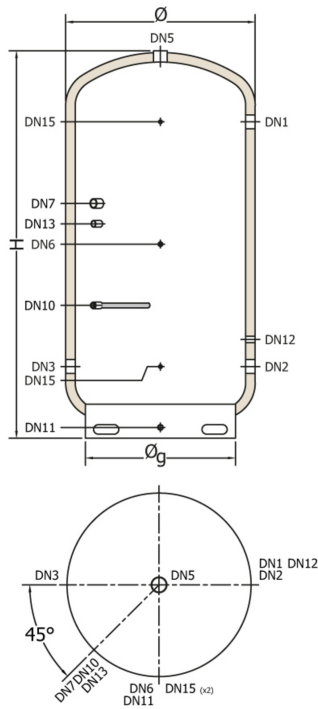


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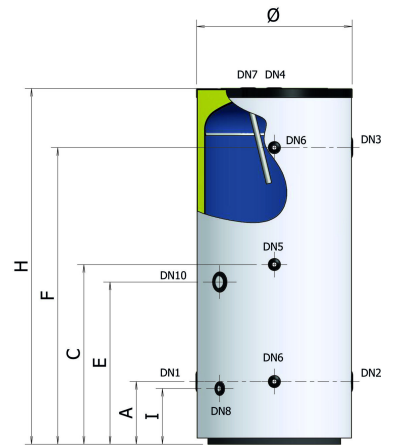
SAC 1500 - 2000



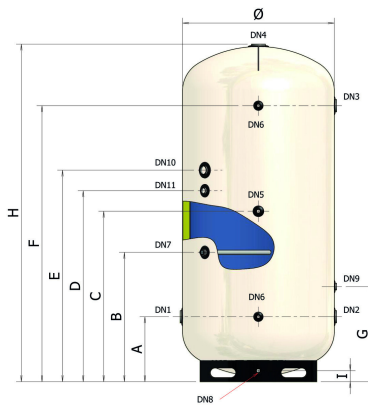
SAC 3000 - 5000



SAC 800 - 1000 EXP



SAC 1500 - 2000 EXP



# TECHNICAL SHEET

## Keyword

DN	Description
DN1	Flow from external heat exchanger
DN2	Flow to external heat exchanger
DN3	Mains water supply
DN5	DHW draw-off
DN6	Recirculation
DN7	Predisposition for immersion heater
DN10	Magnesium anode
DN11	Drain
DN12	Sanitary water expansion tank
DN13	Provision for magnesium anode
DN15	Probe

Model	Code	Energy label	St. loss W	Capacity L	H mm	Ø skirt mm	Size Overall	
							Ø mm	Pm mm
SAC-300	A3I0L51 PGP75	B	67	282	1670	460	650	1800
SAC-500	A3I0L55 PGP55	C	91	494	1735	600	760	1900
SAC-800	A3I0L60 PGP75	C	131	747	1815	760	940	2050
SAC-1000	A3I0L62 PGP75	C	136	868	2065	760	940	2270
SAC-1500	A3I0H67 VW4A5	C	163	1643	2530	850	1270	2840
SAC-2000	A3I0H70 VW4A5	C	174	1952	2510	950	1370	2860
SAC-3000	A3I0H74 VW050			2986	2840	1100	1350	3150
SAC-5000	A3I0H80 VW050			5129	3025	1450	1700	3480
SAC-800 EXP	A3I0L60 PGP45			785	1800		900	2015
SAC-1000 EXP	A3I0L62 PGP45			916	2050		900	2240
SAC-1500 EXP	A3I0H67 VW050			1641	2465		1100	2700
SAC-2000 EXP	A3I0H70 VW050			1958	2445		1200	2725

Pm: pivot measurement

## Connection heights (mm)

MODEL	DN1	DN2	DN3	DN5	DN6	DN7	DN10	DN11	DN12	DN13	DN15	DN15
SAC-300	1365	255	255	-	810	735	-	220	-	-	255	1365
SAC-500	1410	300	300	-	855	770	-	265	-	-	300	1410
SAC-800	1440	330	330	-	885	840	-	300	-	-	330	1440
SAC-1000	1680	330	330	-	1010	910	-	300	-	-	330	1680
SAC-1500	2015	475	475	-	1245	1545	945	80	695	1395	475	2015
SAC-2000	2005	465	465	-	1235	1535	935	80	685	1385	465	2005
SAC-3000	2330	530	530	-	1430	1730	980	80	730	1580	530	2330
SAC-5000	2425	625	625	-	1525	1825	1075	80	825	1675	625	2425
SAC-800 EXP	-	-	-	-	-	-	-	-	-	-	-	-
SAC-1000 EXP	-	-	-	-	-	-	-	-	-	-	-	-
SAC-1500 EXP	475	2015	475	-	1245	1545	945	80	695	1395	475	2015
SAC-2000 EXP	465	2005	465	-	1235	1535	935	80	685	1385	465	2005

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## Connection sizes

MODEL	DN1	DN2	DN3	DN5	DN6	DN7	DN10	DN11	DN12	DN13	DN15
SAC-300	G1"1/4	G1"1/4	G1"1/4	G1"1/4	G3/4"	G2"	G1"1/4	G1/2"	-	-	G1/2"
SAC-500	G1"1/2	G1"1/2	G1"1/2	G1"1/4	G3/4"	G2"	G1"1/4	G1/2"	-	-	G1/2"
SAC-800	G1"1/2	G1"1/2	G1"1/2	G1"1/4	G3/4"	G2"	G1"1/4	G3/4"	-	-	G1/2"
SAC-1000	G2"	G2"	G2"	G1"1/4	G3/4"	G2"	G1"1/4	G3/4"	-	-	G1/2"
SAC-1500	G2"1/2	G2"1/2	G2"1/2	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/4	G1/2"
SAC-2000	G2"1/2	G2"1/2	G2"1/2	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/4	G1/2"
SAC-3000	G3"	G3"	G3"	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/4	G1/2"
SAC-5000	G3"	G3"	G3"	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/2	G1/2"
SAC-800 EXP	-	-	-	-	-	-	-	-	-	-	-
SAC-1000 EXP	-	-	-	-	-	-	-	-	-	-	-
SAC-1500 EXP	G2"1/2	G2"1/2	G2"1/2	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/4	G1/2"
SAC-2000 EXP	G2"1/2	G2"1/2	G2"1/2	G3"	G3/4"	G2"	G1"1/4	G1"	G1"1/4	G1"1/4	G1/2"

## Protective devices

Model	Magnesium anode code	Nr. installed magnesium anode	Diam.Ø	Conn.	Length	Reccomended sanitary expansion tank(*)
SAC-300	8560040 00002	1	32	G1.1/4"	320	DP-18
SAC-500	8560050 00002	1	32	G1.1/4"	410	DP-24
SAC-800	8560060 00002	1	32	G1.1/4"	520	DP-35
SAC-1000	8560060 00002	1	32	G1.1/4"	520	DPV-50
SAC-1500	8560070 00002	1	32	G1.1/4"	670	DPV-80
SAC-2000	8560070 00002	1	32	G1.1/4"	670	DPV-100
SAC-3000	8560080 00002	1	32	G1.1/4"	700	DPV-200
SAC-5000	8560100 00002	1	40	G1.1/2"	640	DPV-300

(\*) 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
SAC-300	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
SAC-500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey PVC RAL 9006
SAC-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
SAC-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
SAC-1500	100% recyclable polyester fibre	135	Grey PVC RAL 9006
SAC-2000	100% recyclable polyester fibre	135	Grey PVC RAL 9006
SAC-3000	Open cells flexible expanded polyurethane	50	White PVC RAL 9001
SAC-5000	Open cells flexible expanded polyurethane	50	White PVC RAL 9001

## 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: 5 years

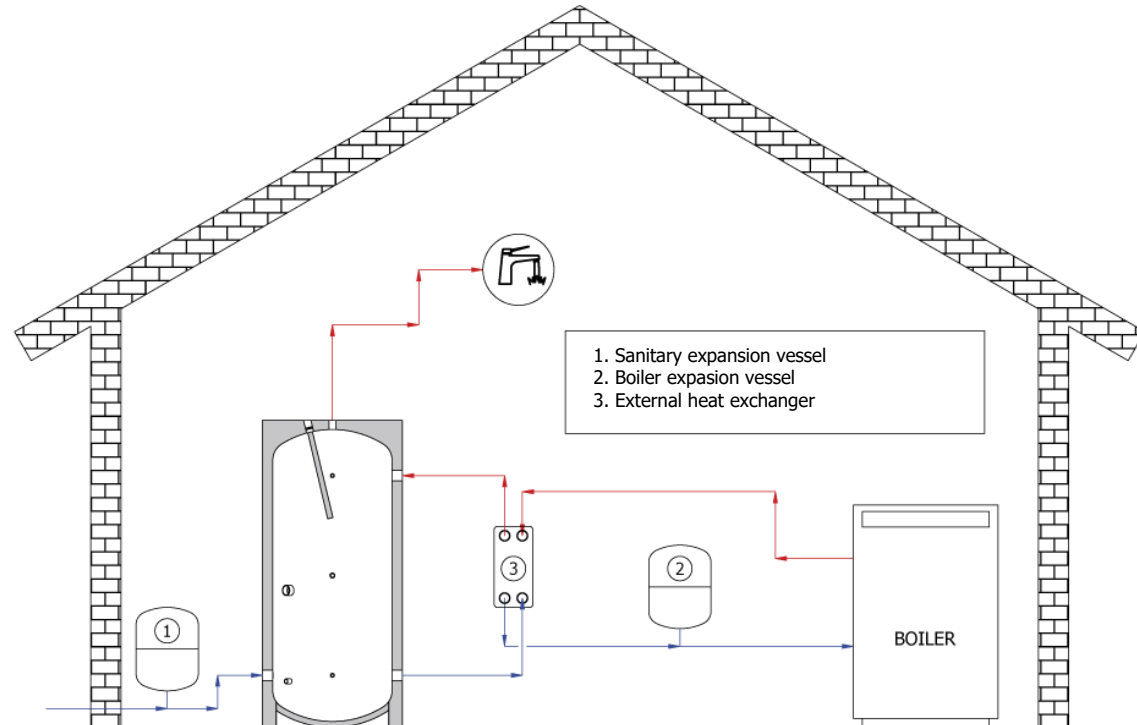
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## Immersion heaters

Code	Power	Source	Connection	Length	Applicable to							
					300	500	800	1000	1500	2000	3000	5000
<b>IMMERSION HEATERS WITHOUT THERMOSTAT</b>												
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	✓	✓	✓	✓	✓	✓	✓	✓
8603300	3.3	220	G1.1/4"	825	✗	✗	✗	✗	✓	✓	✓	✓
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	✗	✗	✓	✓	✓	✓	✓	✓
8710000	10	380	G1.1/2"	820	✗	✗	✗	✗	✓	✓	✓	✓
8712000	12	380	G1.1/2"	970	✗	✗	✗	✗	✓	✓	✓	✓
<b>IMMERSION HEATERS WITH THERMOSTAT</b>												
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	✗	✗	✓	✓	✓	✓	✓	✓
8T12000	12	400	G1.1/2"	850	✗	✗	✗	✗	✓	✓	✓	✓

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## Example of installation



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

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