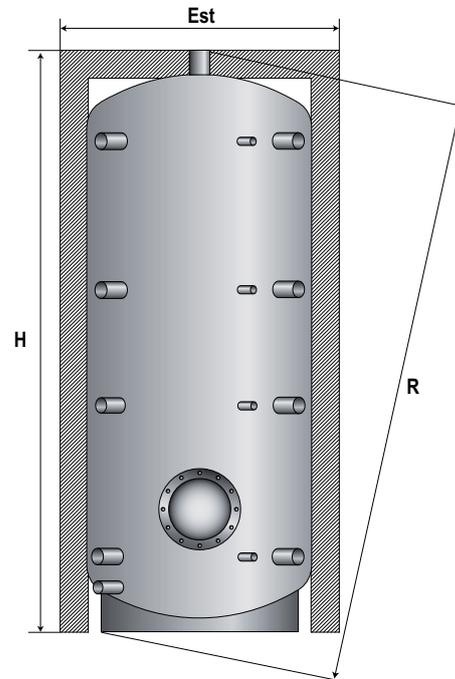


## TA - TAS

### Domestic hot water storage tanks

TA - TAS



TA - TAS tanks are designed to be operated in conjunction with a plate heat exchanger to generate domestic hot water requirements.

This approach result in a faster response time than a traditional cylinder with an indirect coil.

They are manufactured from carbon steel S235JR enamelled in accordance with DIN 4753.

They are supplied complete with magnesium anode, probe holders, and inspection flange.

TA tanks are supplied complete with 6 water connections placed in different positions of the tank and several sensor pockets.

The TAS versions incorporate an additional solar heat exchanger, located in the lower part to maximise the heating capacity.

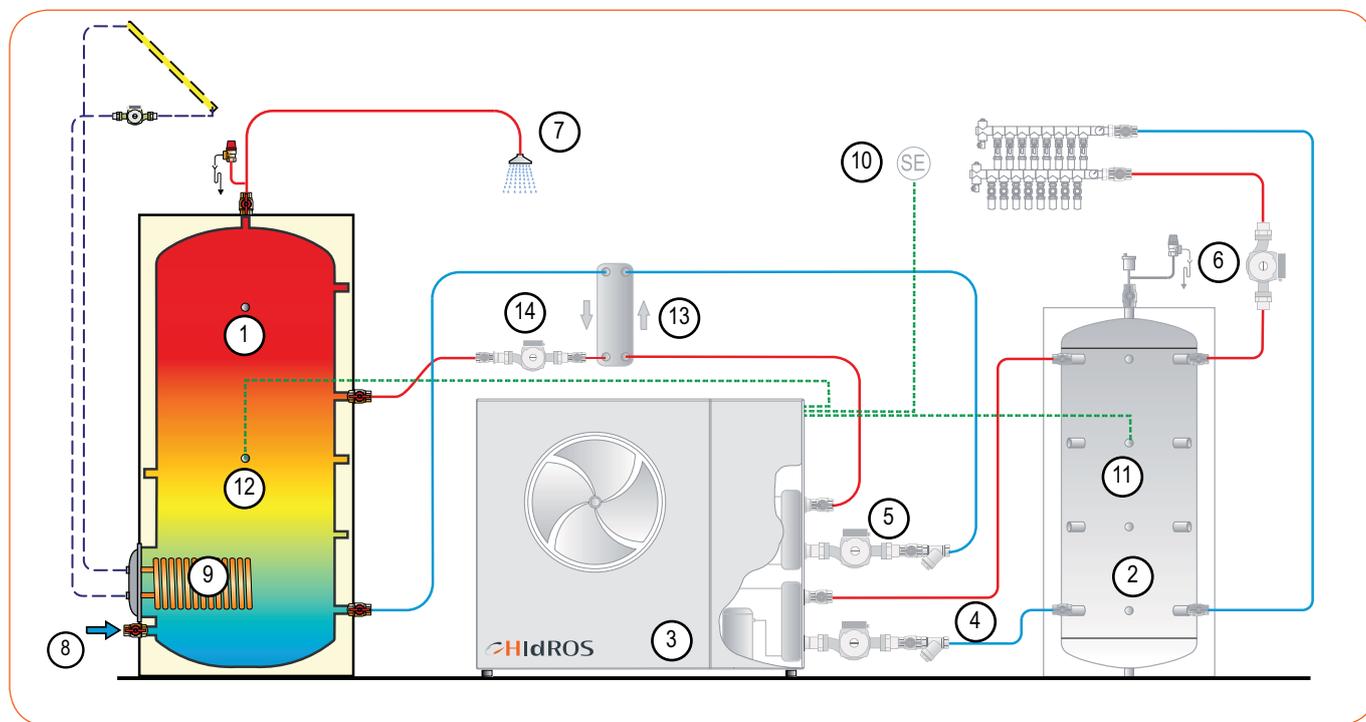
#### VERSIONS AND ACCESSORIES

- **TA:** Domestic hot water storage tank.
- **TAS:** Hot water storage tank + solar coil.
- Back up electric heater.

#### PRODUCT SPECIFICATIONS

- Thermal insulation protective jacket.
- External protection by high resistance enamel painting.
- Treatment with internal protective glazing inorganic food up to standard DIN 4753.3.
- Cathodic protection with magnesium anode.
- Thermometer with well for probe holder.
- Inspection flange.
- Threaded connections (n° 4) diameter 1<sup>1/4</sup>".

# TA - TAS



TA - TAS

1	Domestic hot water storage tank	8	Cold water inlet
2	Buffer tank	9	Domestic hot stainless steel heat exchanger
3	Heat pump	10	External sensor (Supplied with the heat pump)
4	Primary circuit pump (Heating and cooling)	11	Hot water sensor (Supplied with the heat pump)
5	Primary circuit pump (D.H.W. circuit)	12	D.H.W. sensor (Supplied with the heat pump)
6	Underfloor system water pump	13	Plate heat exchanger
7	Domestic hot water outlet	14	D.H.W. circuit water pump

Model TA - TAS		200	300	500	800	1000	1500	2000	
Thermal insulation with rigid polyurethane foam + sky	mm	50	50	50	100	100	100	70	
Coefficient of conductivity	W/mK	0,023	0,023	0,023	0,023	0,023	0,023	0,023	
Maximum working pressure	bar	8	8	8	8	8	8	8	
Maximum working temperature	°C	95	95	95	95	95	95	95	
Solar heat exchanger surface (only TAS) *	m <sup>2</sup>	1,5	1,5	3,1	4,5	4,5	6,3	6,3	
Solar heat exchanger water content (only TAS) *	l	9	9	19	32	32	45	45	
Solar heat exchanger waterflow (only TAS) *	l/h	1500	1500	2500	2500	2500	2500	2500	
Solar heat exchanger pressure drop (only TAS) *	KPa	21	21	17	20	20	35	35	
Diameter without insulation	mm	450	500	650	790	790	1000	1100	
Diameter with insulation	EST	mm	550	600	750	990	990	1200	1300
Total height	H	mm	1400	1675	1730	1730	2080	2135	2350
Diagonal length	R	mm	1430	1700	1770	1790	2125	2210	2425
Weight	Kg	53	66	83	128	159	254	395	
Code	TA	TA00.20	TA00.30	TA00.50	TA00.80	TA01.00	TA01.50	TA02.00	
Code	TAS	TAS0.20	TAS0.30	TAS0.50	TAS0.80	TAS1.00	TAS1.50	TAS2.00	

\* For any request of increased heat exchanger please contact the Company.