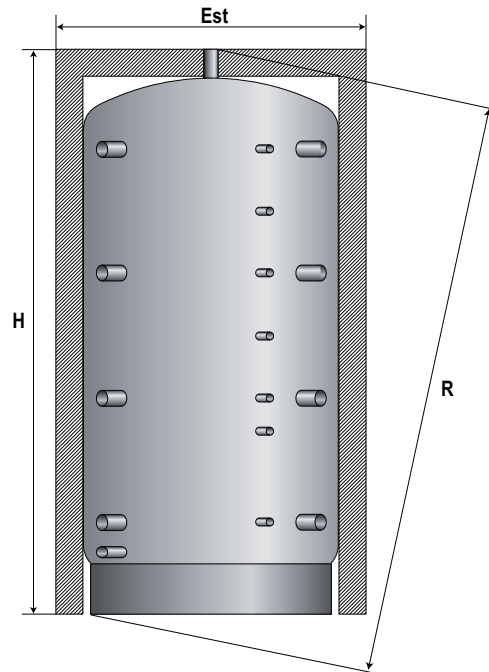


TH - THS

Domestic hot water generators

TH - THS



TH-THS domestic hot water generators are designed to utilise the heat pump output with a high efficiency AISI 316L stainless steel pipe heat exchanger to instantaneously produce domestic hot water.

This arrangement eliminates the need for storage of hot water and the attendant legionella risk and treatments.

They are thermally insulated with a flexible, removable polyurethane cover (CFC free and self extinguishing).

They are supplied with 8 water connections and several probe pockets.

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

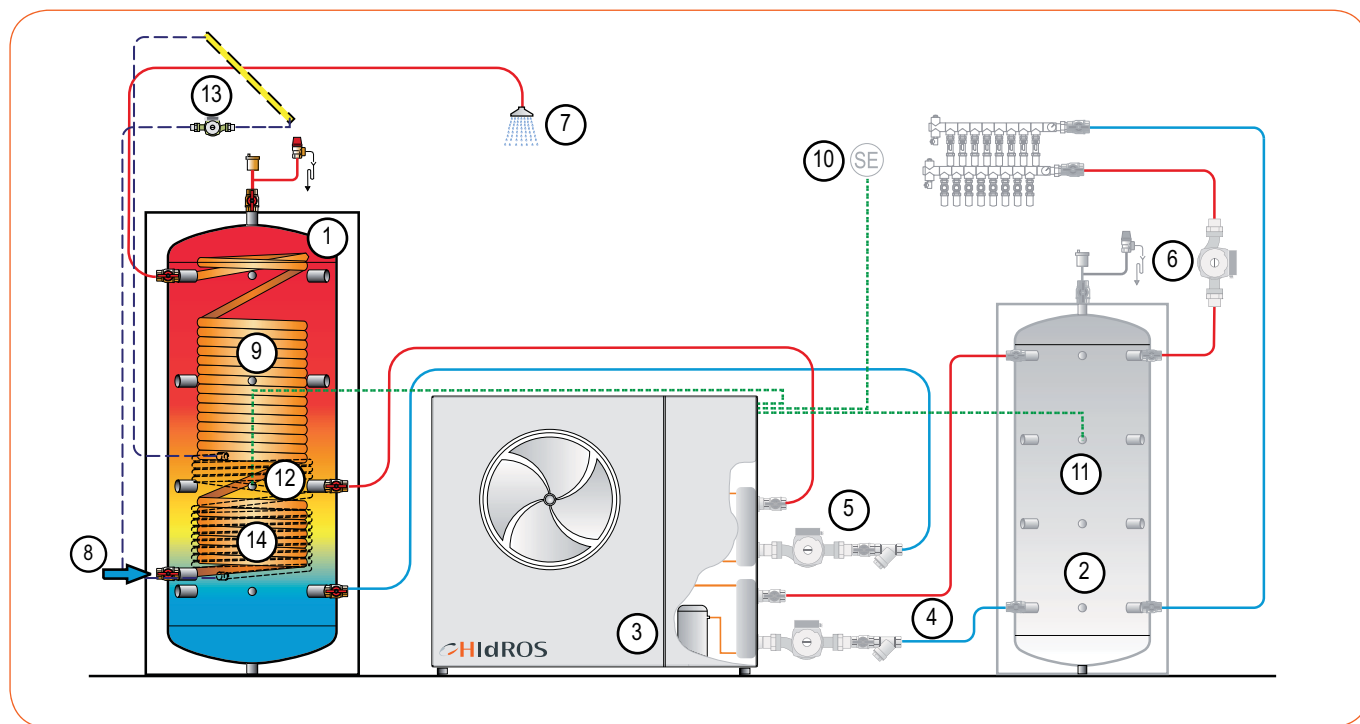
VERSIONS AND ACCESSORIES

- **TH:** Domestic hot water generators.
- **THS:** Hot water storage tank + solar coil.
- Back up electric heaters.

PRODUCT SPECIFICATIONS

- Thermal insulation protective jacket.
- External protection with durable enamel coating.
- Internal construction made by carbon steel ST235JR.
- Domestic hot water heat exchanger, made in AISI316L corrugated stainless steel pipe, protected by pickling and passivation treatment.
- Thermometer with well for probe holder.
- Threaded connections (n° 8) diameter 1^{1/2}".

TH - THS



TH - THS

1	Domestic hot water generator TH
2	Buffer tank TF
3	Heat pump
4	Primary circuit pump (Heating and cooling)
5	Domestic hot water pump
6	Underfloor system water pump
7	Domestic hot water outlet

8	Cold water inlet
9	D.H.W. stainless steel heat exchanger
10	External sensor (Supplied with the heat pump)
11	Hot water sensor (Supplied with the heat pump)
12	D.H.W. sensor (Supplied with the heat pump)
13	Solar system
14	Solar coil (THS versions only)

Model TH - THS		650	800	1000	1500	2000
Thermal insulation with rigid polyurethane foam	mm	70	100	100	100	70
Coefficient of conductivity	W/mK	0,023	0,023	0,023	0,023	0,023
Maximum working pressure	bar	6	6	6	6	6
Maximum working temperature	°C	95	95	95	95	95
Heat exchanger surface	m ²	5,5	7,0	7,5	10,0	11,0
Heat exchanger content	l	39,1	49,7	53,3	71,0	78,1
Domestic hot water production (water temperature 55°C)	l/min	10	10	10	10	10
Heat exchanger pressure drop	KPa	0,45	0,47	0,50	0,55	0,60
Tank volume D.H.W. production (water temperature 45°C, cold water 10°C)	l	250	340	440	810	1200
Solar heat exchanger surface (only THS)	m ²	2,5	2,7	3,5	4,5	4,8
Solar heat exchanger water content (only THS)	l	17,8	19,2	24,9	31,9	34,1
Solar heat exchanger waterflow (only THS)	l/h	3000	3000	3000	3000	3000
Solar heat exchanger pressure drop (only THS)	KPa	19	19	24	35	37
Diameter without insulation	mm	750	790	790	1000	1100
Diameter with insulation	EST mm	950	990	990	1200	1300
Total height	H mm	1735	1730	2080	2135	2350
Diagonal length	R mm	1780	1790	2130	2210	2420
Weight TH-THS	Kg	207	221	270	345	453
Code	TH	TH00.65	TH00.80	TH01.00	TH01.50	TH02.00
Code	THS	THS0.65	THS0.80	THS1.00	THS1.50	THS2.00