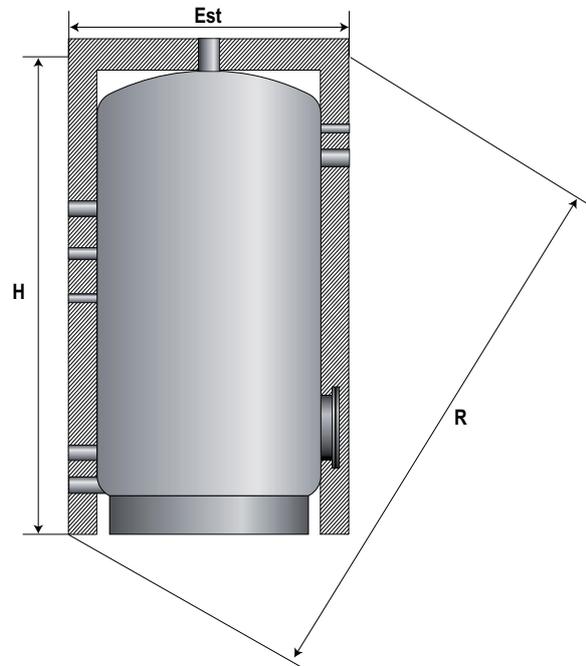


## TW - TWS

### Domestic hot water cylinders

TW - TWS



The TW-TWS series domestic hot water cylinders, are designed to heat and store domestic hot water, using an indirect coil.

They are supplied with a double spiral heat exchanger, specifically designed for application with heat pumps.

The units can also be used, in combination with gas or oil boilers. The outlet of the hot water is located in the upper part of the cylinder in order to get the highest possible water temperature.

The units are manufactured from carbon steel S235 JR, enamelled at 850°C, according to DIN 4753.

The TW versions are supplied with a single heat exchanger, in carbon steel, enamelled, designed for heat pumps applications.

The TWS versions also incorporate a solar heat exchanger, located in the lower part of the tank to enhance the heating capacity.

Both versions are supplied complete with magnesium anode, probe holders, inspection flange and backup electric heater flange.

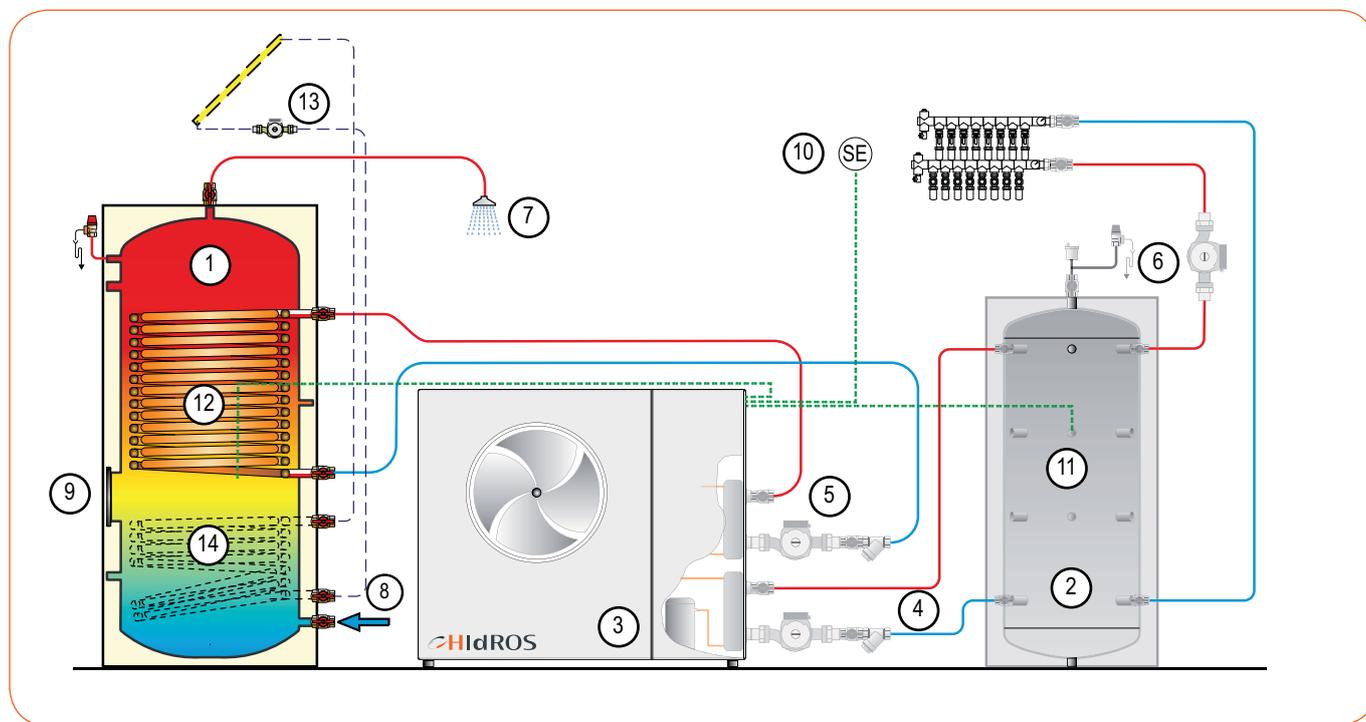
### VERSIONS AND ACCESSORIES

- **TW:** Domestic hot water cylinder.
- **TWS:** Domestic hot water cylinder + solar coil.
- Back up electric heater.

### PRODUCT SPECIFICATIONS

- Thermal insulation protective jacket.
- External protection with durable enamel coating.
- Cathodic protection with magnesium anode.
- Thermometer located in sensor pocket.
- Inspection flange.
- Threaded connections (n° 4) diameter 1<sup>1/4</sup>".
- Threaded connections (n° 3) diameter 1<sup>1/2</sup>".

# TW - TWS



TW - TWS

1	Domestic hot water cylinder TW/TWS	8	Cold water inlet
2	Buffer tank TF	9	Back up heater flange
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	Domestic hot water pump	12	D.H.W. sensor (Supplied with the heat pump)
6	Underfloor system water pump	13	Solar system
7	Domestic hot water outlet	14	Solar coil (TWS versions only)

Model TW - TWS			300	400	500	600	800	1000
Thermal insulation	mm		50	50	50	50	100	100
Coefficient of conductivity	W/mK		0,023	0,023	0,023	0,023	0,023	0,023
Maximum working pressure	bar		8	8	8	8	8	8
Heat pump D.H.W. heat exchanger surface (TW/TWS)	m <sup>2</sup>		3,5/--	4,6/--	6,0/4,2	6,0/5,7	6,0/5,2	6,0/6,0
Max D.H.W. heat exchanger power (T.p.55°C/T.s.50° C)	Kw		10	12	18	18	18	18
D.H.W. exchanger water content	lt		24,9/---	32,7/---	42,6/29,8	42,6/40,5	42,6/36,9	42,6/42,6
D.H.W. exchanger waterflow	l/h		400	400	400	400	400	400
D.H.W. exchanger pressure drops	Kpa		9,0	11,0	13,0	13,0	13,0	13,0
Solar coil surface (TWS versions only)	m <sup>2</sup>		-	-	1,9	2,2	2,2	3,6
Solar coil water content (TWS versions only)	lt.		-	-	13,5	15,6	15,6	25,6
Solar coil waterflow (TWS versions only)	l/h		-	-	400	400	400	400
Solar coil pressure drops (TWS versions only)	Kpa		-	-	5,0	6,0	6,0	6,0
Diameter with insulation	EST.	mm	650	750	750	750	990	990
Total height TW/TWS	H	mm	1365/ --	1395/ --	1645	1895	1710	2035
Diagonal length	R	mm	1515/ --	1585/ --	1810	2025	1970	2270
Weight TW/TWS		Kg	125/ --	165/ --	200/260	240/305	230/320	305/330
Code	TW		TW00.30	TW00.40	TW00.50	TW00.60	TW00.80	TW01.00
Code	TWS		-	-	TWS0.50	TWS0.60	TWS0.80	TWS1.00