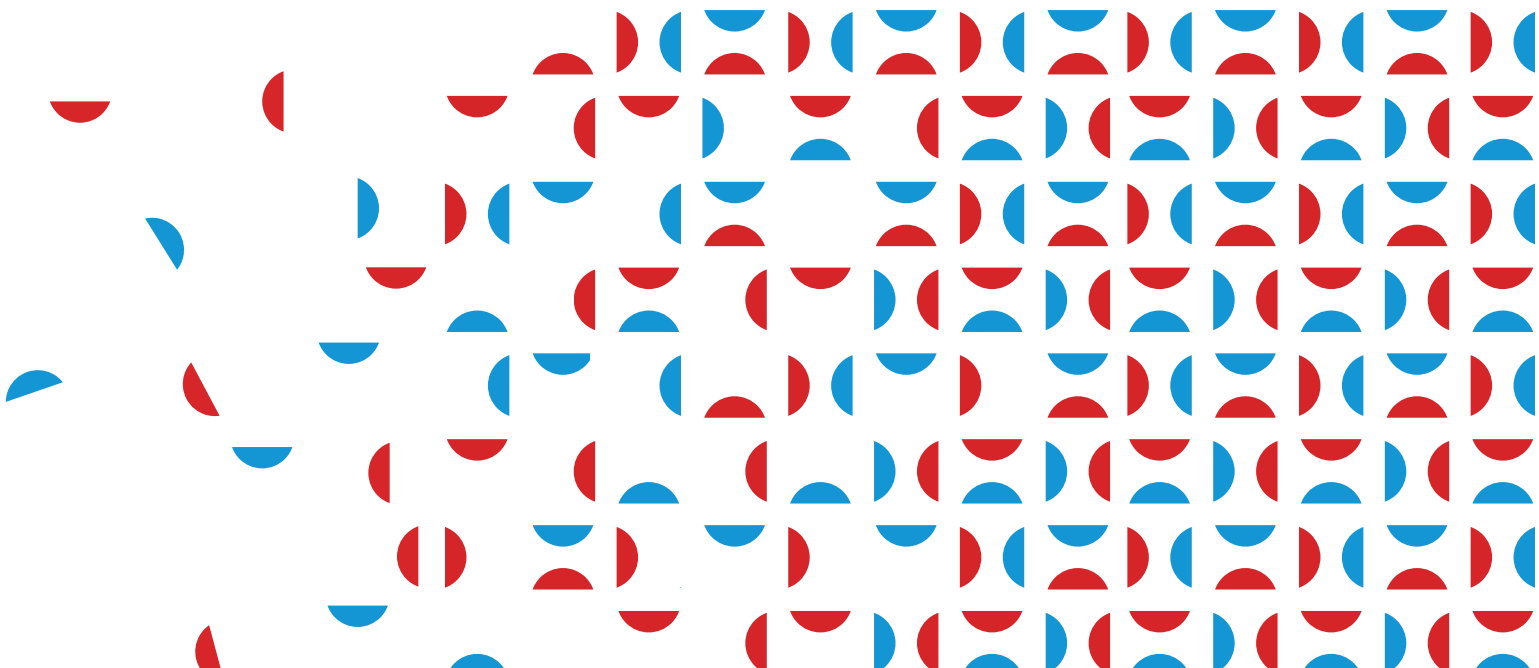


DHW STORAGE TANKS

WATER HEATERS WITH FIXED COIL

MAXI 2



Water heater with double heat exchanger for Heat Pumps - MAXI 2



PRICES

The MAXI 2 range consists of boilers for the production of domestic hot water, equipped with a fixed, double coil with a large surface area, particularly suitable for use with heat pumps in COMBINATION (combined) with integrative sources (SOLAR, BOILER,...), available in capacities from 300 to 1000 litres. They are equipped with different types of insulation according to capacity (see Insulation table), PVC outer jacket, magnesium anode for protection against galvanic currents, inspection flange for easy access during inspection and maintenance.

Material: carbon steel S 235 JR

Internal protective treatment: Food-grade inorganic glass-lining complying with DIN 4753.3.



Insulation

Capacity (l)	Type
from 300 to 1000	High-density rigid polyurethane foam

Limit of use

Cap. l	Tank side		Primary circuit	
	Temperature max.	Pressure max.	Temperature max.	Pressure max.
from 300 to 1000	95°C	10 bar	110°C	12 bar

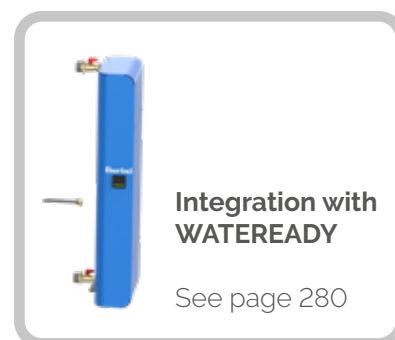
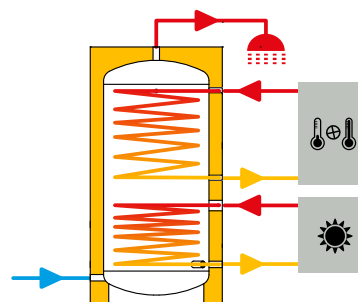
 **Accessories Included:** safety valve and thermometer, magnesium sacrificial anode.

 **Standard accessories:** see page 163

Capacity l	Code	Price	Energy class	With vertical packaging	
				Dimensions cm	Weight kg
300	319060307X	2.307,00 €	B	70X70X155	129
500	319060308X	3.076,00 €	C	80X80X180	182
750	319060309X	4.814,00 €	C	95X95X185	264
1000	319060310X	5.359,00 €	C	105X105X210	314

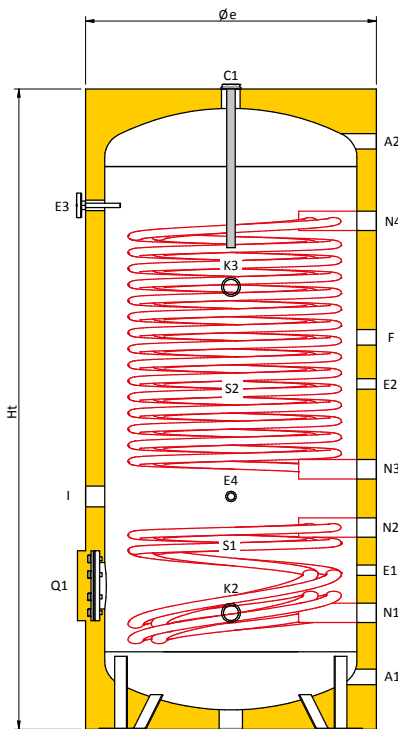


TESTED

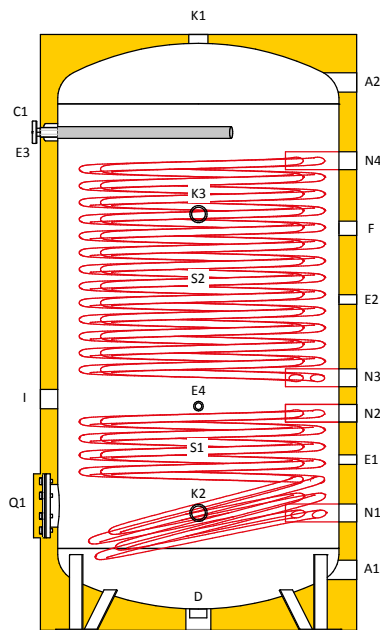


Water heater with double heat exchanger for Heat Pumps - MAXI 2

300 ≤ cap. ≤ 500



750 ≤ cap. ≤ 1,000



Connection legend

A1	Domestic water inlet
A2	Domestic water outlet
C1	Anode
E1	Probe/Thermometer
E2	Probe/Thermometer
E3	Probe/Thermometer
E4	Probe/Thermometer
F	Recirculation
I	Electrical Resistance
K1	Auxiliary
K2	Auxiliary
K3	Auxiliary
N1	Lower exchanger outlet
N2	Lower exchanger inlet
N3	Upper exchanger outlet
N4	Upper exchanger inlet
Q1	Inspection port
S1	Lower Exchanger
S2	Upper Exchanger

Connection table

Cap. l	A1 inches	A2 inches	C1 inches	E1 inches	E2 inches	E3 inches	E4 inches	F inches	I inches	K1 inches	K2 inches	K3 inches	N1 inches	N2 inches	N3 inches	N4 inches	Q1 (Øext/Øint) mm
300	1"	1"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1"	1 1/2"	-	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	Ø180/Ø120
500	1"	1"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1"	1 1/2"	-	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	Ø180/Ø120
750	1 1/2"	1 1/2"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1"	1 1/2"	1 1/2"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	Ø180/Ø120
1000	1 1/2"	1 1/2"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1"	1 1/2"	1 1/2"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	Ø180/Ø120

Size table

Cap. l	Øe mm	Ht mm	R* mm	A1 mm	A2 mm	C1 mm	E1 mm	E2 mm	E3 mm	E4 mm	F mm	I mm	K1 mm	K2 mm	K3 mm	N1 mm	N2 mm	N3 mm	N4 mm	Q1** mm
300	660	1380	1530	130	1260	1380	355	945	1145	545	795	530	-	245	1085	245	465	595	1145	345
500	760	1650	1820	135	1515	1650	410	890	1350	600	1010	600	-	300	1140	300	520	670	1310	370
750	910	1675	1910	170	1540	1400	480	930	1400	650	1130	650	1675	330	1170	330	610	710	1320	350
1000	1010	1965	2210	190	1810	1670	500	945	1670	630	1150	680	1965	350	1190	350	635	735	1390	360

R*: Tipping height

Q1**: height from the centre of the hatch to the ground

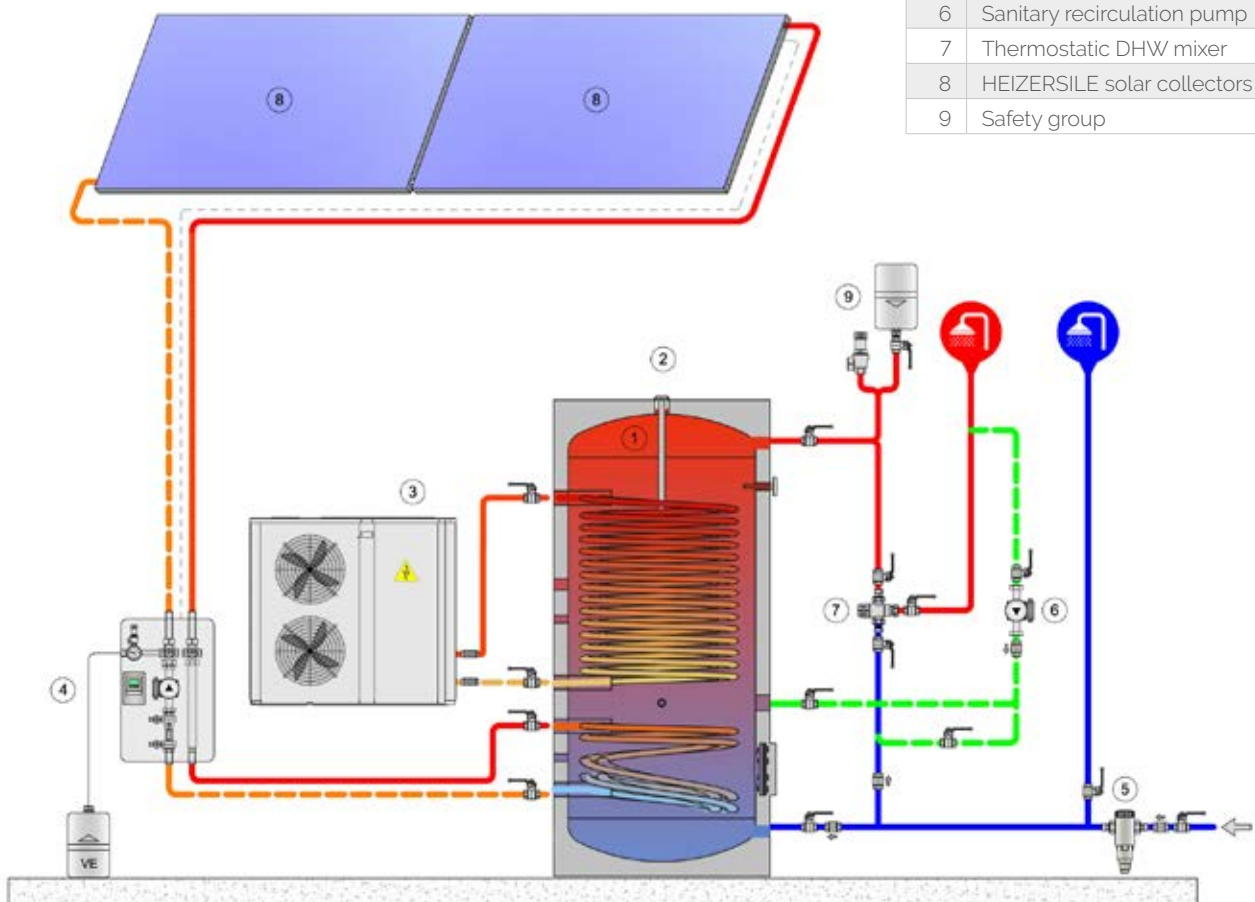
Technical Insights for MAXI 2 Series

Capacity	Ti	Hot Water Production TiACS = 10°C			Exchanger		
		TuACS= 45°C		Ta = 50°C TuACS = 45°C	Upper exchanger surface	Lower exchanger surface	Nominal flow rate
		L/h (a)	kW (b)	L/10 min. (e)	m²	m²	mc/h
300	50	553	22,5	435	2,7	0,98	1,6
	80	1501	61,1	593			2,6
500	50	860	35	715	4,1	1,1	1,5
	80	2334	95	960			4,1
750	50	1380	52	920	4,9	2,2	3
	80	2800	115	1170			4,1
1000	50	1580	62	1080	5,5	2,5	3
	80	3000	135	1310			4,1

- at continuous DHW flow rate with TuACS= 45°C
- and quantity of DHW delivered at 45°C in the first 10 min with storage at 50°C
- Exchanger capacity: 6.40 L/m²

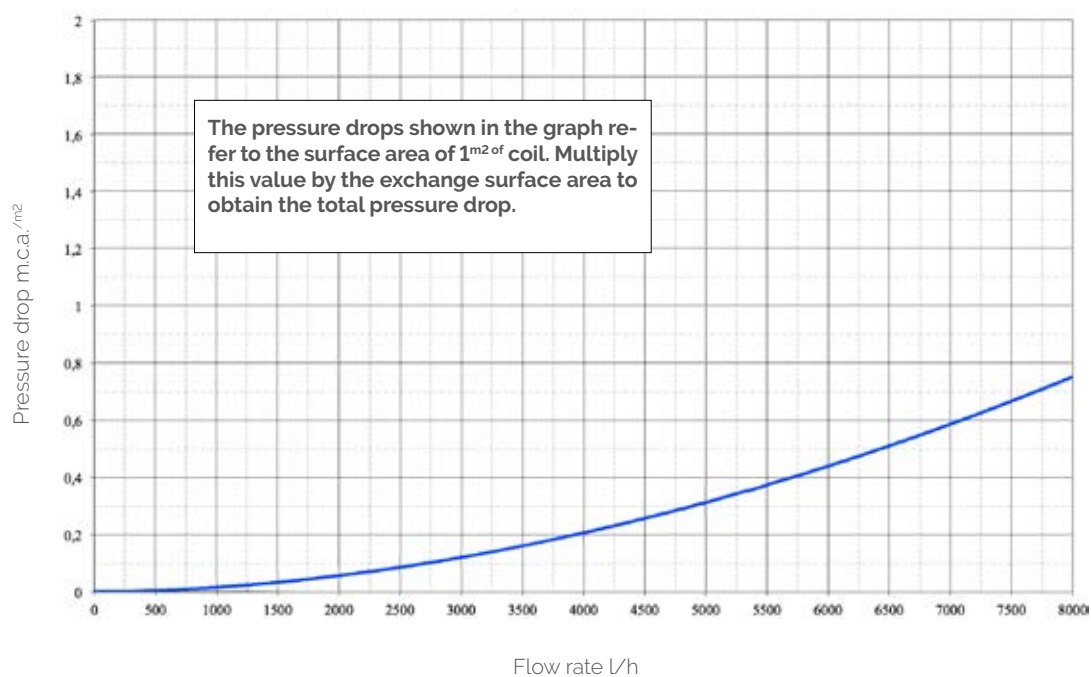
Legend

1	HEIZERSILE DHW storage
2	Magnesium anode
3	Furia heat pump
4	Solar thermal return unit
5	Bacteriostatic cold water filter
6	Sanitary recirculation pump
7	Thermostatic DHW mixer
8	HEIZERSILE solar collectors
9	Safety group



Technical Insights for MAXI 2 Series

Fixed exchanger pressure losses



Wenkel S.r.l

Registered and operating office: Via E. Mattei 13/F – 31030 Casier (TV) – P.I. e C.F. 08456530966 – REA: TV-422447

Registered with the Companies' Register of Treviso-Belluno under No. 08456530966 – Share Capital €98.000,00

Tel. 0422/672911 • Fax 0422/340425 • e-mail: info@heizersile.it • www.heizersile.com

Subject to control and coordination by Fiorini Industries S.r.l.

