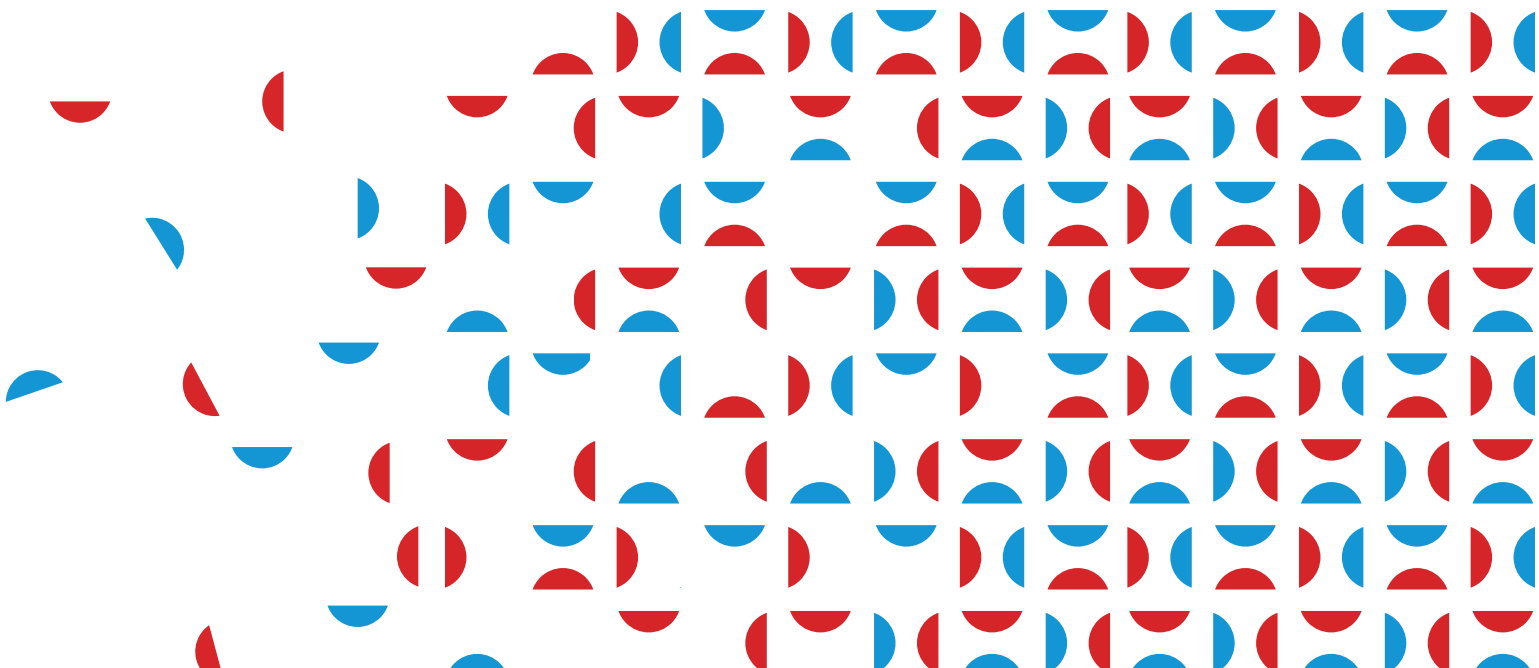


DHW STORAGE TANKS

WATER HEATERS WITH FIXED COIL

MAXI 1



Water heater with fixed heat exchanger for Heat Pumps - MAXI 1



PRICES

The MAXI 1 range consists of domestic hot water boilers, equipped with single, fixed and double coil coils with a large surface area, particularly suitable for use with heat pumps, available in different 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, and an 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

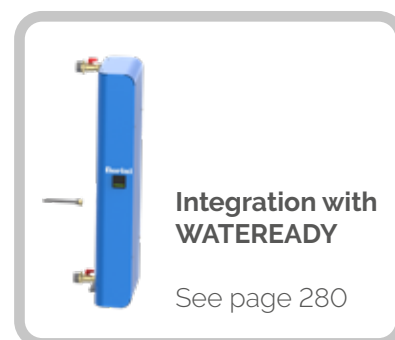
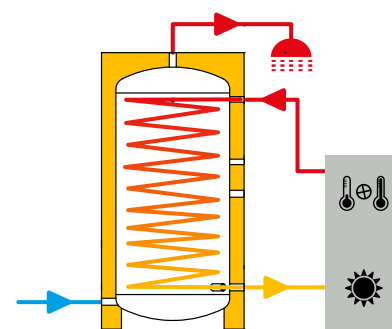
Accessories Included: safety valve and thermometer, magnesium sacrificial anode.

Standard accessories: see page 163

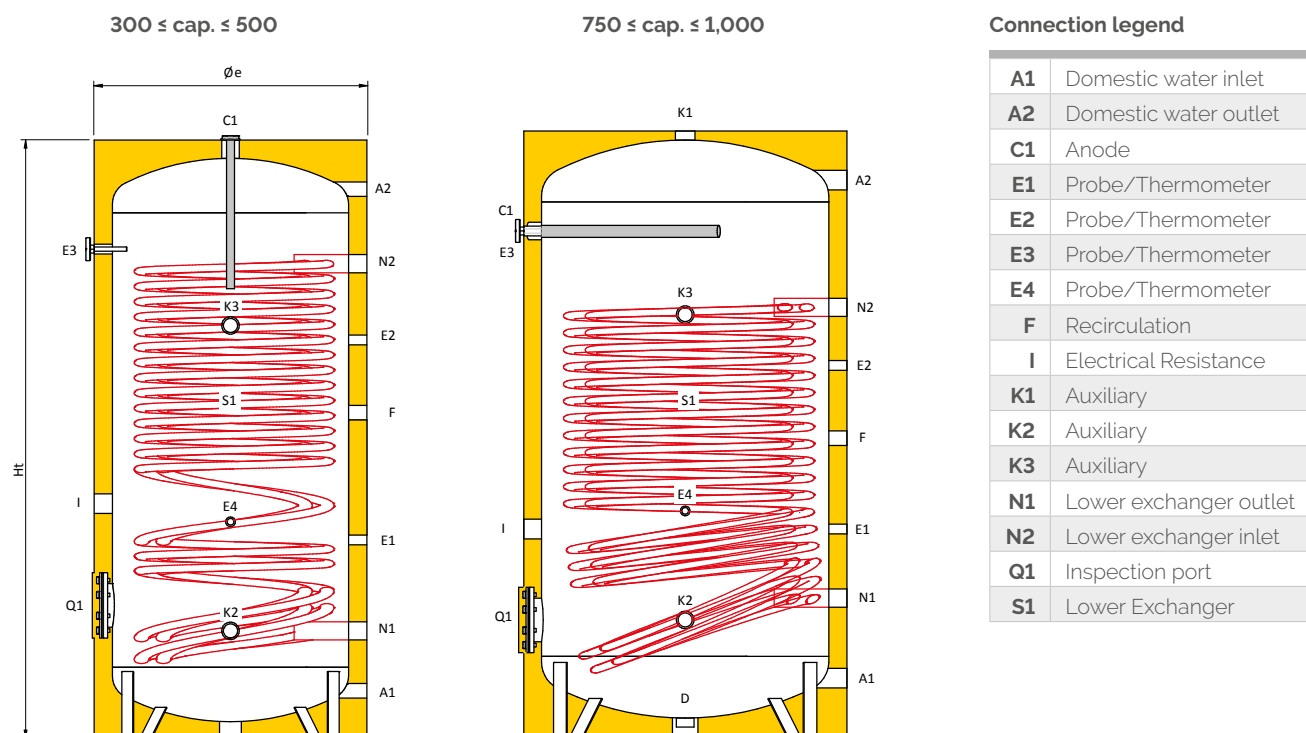


TESTED

Capacity l	Code	Price	Energy class	With vertical packaging	
				Dimensions cm	Weight kg
300	319060303X	2.107,00 €	B	70X70X155	128
500	319060304X	2.814,00 €	C	80x80x180	179
750	319060305X	4.273,00 €	C	95x95x185	252
1000	319060306X	4.530,00 €	C	105X105X210	291



Water heater with fixed heat exchanger for Heat Pumps - MAXI 1



Connection table

Cap. l	A1 inches	A2 inches	C1 mm	E1 inches	E2 mm	E3 inches	E4 mm	F inches	I inches	K1 inches	K2 mm	K3 inches	N1 inches	N2 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"	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"	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"	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"	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	Q1** mm
300	660	1380	1530	130	1260	1380	375	965	1145	545	795	545	-	245	1085	245	1145	335
500	760	1650	1820	135	1515	1650	550	1100	1350	600	900	650	-	300	1140	300	1310	370
750	910	1675	1910	170	1540	1400	580	1030	1400	630	830	580	1675	330	1170	390	1190	330
1000	1010	1965	2210	190	1810	1670	580	1000	1670	650	800	590	1965	350	1190	400	1150	350

R*: Tipping height

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

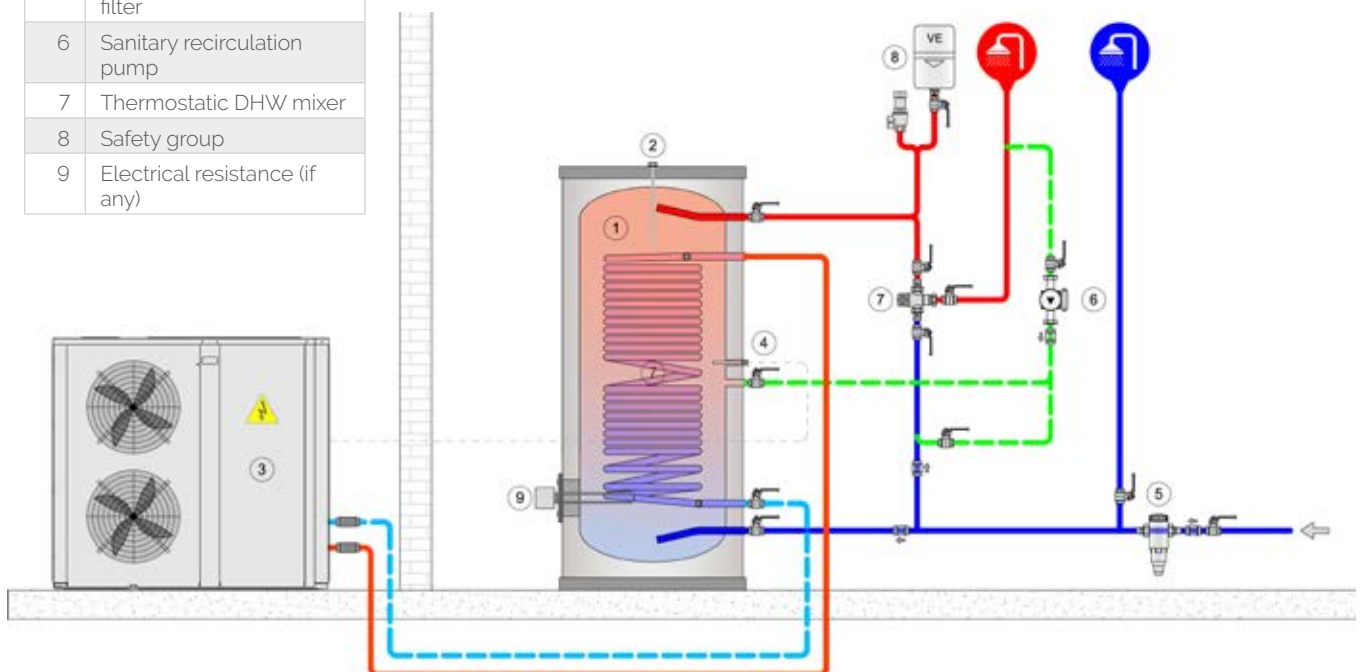
Technical Insights for MAXI 1 Series

Capacity	Ti	Hot Water Production TiACS = 10°C			Exchanger	
		TuACS= 45°C		Ta = 50°C TuACS = 45°C	Surface	Nominal flow rate
		L/h (a)	kW (b)	L/10 min. (e)	m²	mc/h
300	50	688	28	433	3,65	4,0
	80	2236	91	691		
500	50	958	39	691	5,2	4,0
	80	2432	99	937		
750	50	982	40	961	6	4,0
	80	3390	138	1362		
1000	50	982	40	1227	6	4,0
	80	3390	138	1628		

- at continuous DHW flow rate with TuACS= 45°C
- b exchanger power 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

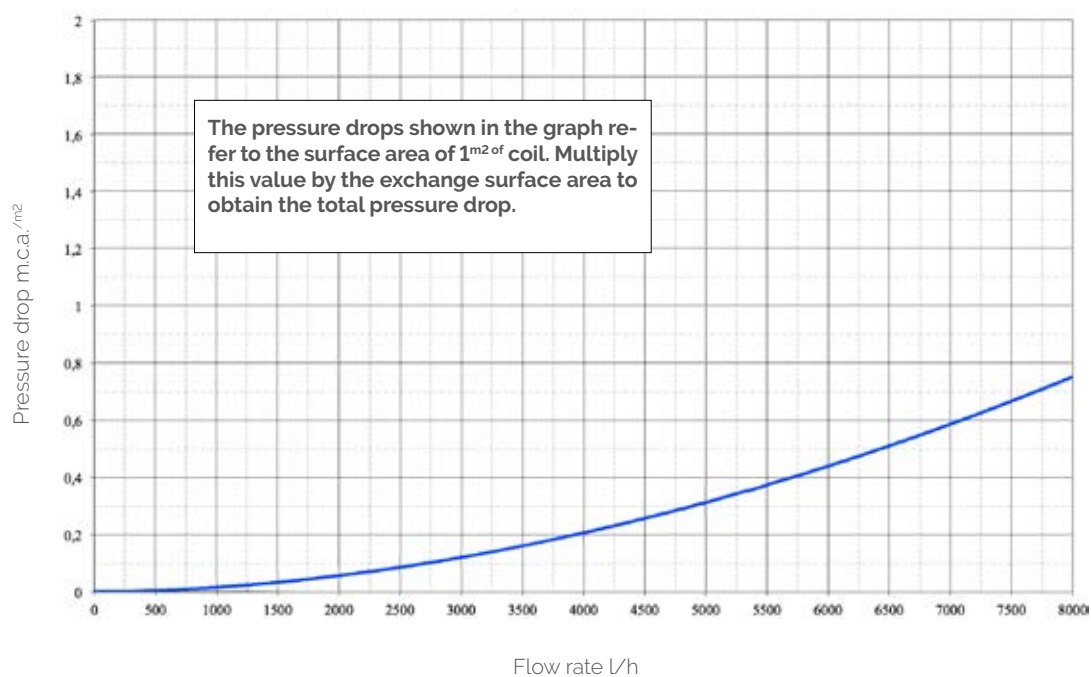
Legend

1	HEIZERSILE DHW storage
2	Magnesium anode
3	FURIA heat pump
4	DHW temperature probe
5	Bacteriostatic cold water filter
6	Sanitary recirculation pump
7	Thermostatic DHW mixer
8	Safety group
9	Electrical resistance (if any)



Technical Insights for MAXI 1 Series

Fixed exchanger pressure losses



Wenkel S.r.l

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