

Removable Exchangers
Water Heaters
BOIL



Boiler

Water heater with tube heat exchanger – BOIL

The BOIL range consists of water heaters with a tube heat exchanger for the production of domestic hot water. There are several capacities, from 200 up to 5000 litres. They are equipped, depending on the capacity, insulation (see chart below), an external cover in PVC and a magnesium anode for the protection against galvanic currents.

Materials

The boilers are made from high quality materials such as:

- Tank: carbon steel S 235 JR
- Tube heat exchanger: galvanized stainless steel AISI 304
- Exchanger head: galvanized carbon steel S 235 JR

Internal protective treatment


- up to 1000 litres inorganic **glass lining**, according to DIN 4753.3
- from 1500 litres **Bluetech enamelling** with thermosetting resins, suitable for DHW

Insulation

Capacity (l)	Type
200, 300	Highly rigid polyurethane foam
from 500 to 1000	Polystyrene Graphite + Polyester Fiber
from 1500	Polyester Fiber

Operational limits

Capacity l	Storage		Primary circuit	
	max. temperature	max. pressure	max. temperature	max. pressure
up to 1000	95°C	10 bar	110°C	12 bar
from 1500	80°C	6 bar	110°C	12 bar

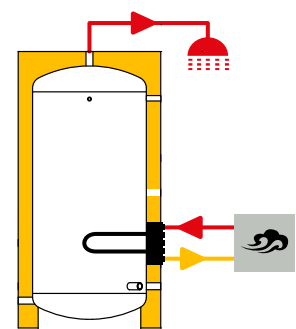
 **Supplied accessories:** Adjustable height feet for sizes up to 500 l, safety valve and thermometer for sizes up to 1000 l, magnesium sacrificial anode for all sizes.

 **Standard accessories:** see pag 286

 **Special versions:** see pag 289

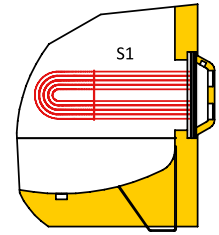


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Capacity l	Code	Price	Energy label	With vertical packaging	
				Dimensions cm	Weight kg
200	818060068X		B	75x75x125	101
300	818060069X		B	75x75x150	113
500	818060070X		C	80x80x209	148
750	818060071X		C	99x99x199	283
1000	818060072X		C	99x99x230	322
1500	818080375X		C	123x123x240	262
2000	818080361X		C	132x132x275	324
2500	818080362X			147x147x277,5	368
3000	818080363X			147x147x299	409
4000	818080364X			163x163x306	582
5000	818080365X			183x183x310	687

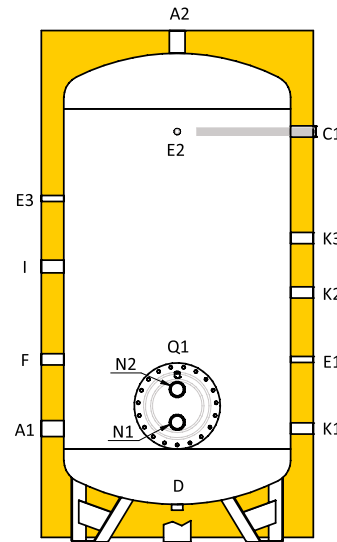
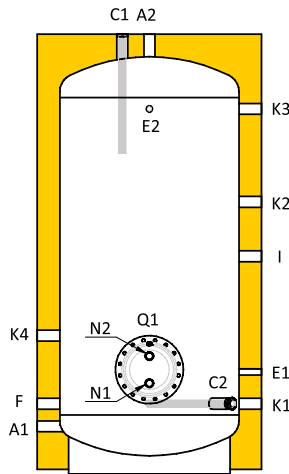
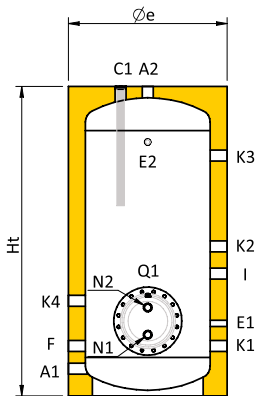
Water heater with tube heat exchanger – BOIL



200 ≤ cap. ≤ 300

500 ≤ cap. ≤ 1.000

1.500 ≤ cap. ≤ 5.000



Couplings legend

A1	DHW inlet
A2	DHW outlet
C1	Anode
C2	Anode
D	Drain
E1	Probe / Thermometer
E2	Probe / Thermometer
E3	Probe / Thermometer
F	Recirculation
I	Electrical resistor
K1	Auxiliary
K2	Auxiliary
K3	Auxiliary
K4	Auxiliary
N1	Lower exchanger outlet
N2	Lower exchanger inlet
Q1	Inspection hole
S1	Lower exchanger

Couplings chart

Cap. l	A1 inch	A2 inch	C1 inch	C2 inch	D inch	E1 inch	E2 inch	E3 inch	F inch	I inch	K1 inch	K2 inch	K3 inch	K4 inch	N1 inch	N2 inch	Q1 (Øext/Øint) mm
200	1 1/4	1 1/4	1 1/4	-	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1"	1"	Ø300/Ø220
300	1 1/4	1 1/4	1 1/4	-	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1"	1"	Ø300/Ø220
500	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1"	1"	Ø300/Ø220
750	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	2"	2"	Ø380/Ø300
1000	1 1/4	1 1/4	1 1/4	1 1/4	-	1/2"	1/2"	-	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	2"	2"	Ø380/Ø300
1500	2"	2"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø380/Ø300
2000	2"	2"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø430/Ø350
2500	2 1/2	2 1/2	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø430/Ø350
3000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø430/Ø350
4000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø430/Ø350
5000	3"	3"	1 1/4	-	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	-	2"	2"	Ø430/Ø350

Size chart

Cap. l	Øe mm	Ht mm	R* mm	A1 mm	C1 mm	C2 mm	D mm	E1 mm	E2 mm	E3 mm	F mm	I mm	K1 mm	K2 mm	K3 mm	K4 mm	N1 mm	N2 mm	Q1** mm
200	700	1100	1305	130	1100	-	-	320	855	-	220	540	130	660	970	420	270	390	330
300	700	1340	1515	130	1340	-	-	320	1120	-	220	540	220	660	1060	420	370	390	330
500	760	1920	2065	150	1920	250	-	380	1640	-	250	945	250	1090	1640	480	330	450	360
750	950	1970	2190	210	1970	310	-	460	1610	-	310	960	310	1150	1610	610	387,5	532,5	460
1000	950	2280	2470	210	2280	310	-	460	1910	-	310	915	310	1150	1910	610	387,5	532,5	460
1500	1250	2280	2600	500	1810	-	165	805	1810	1515	805	1215	500	1100	1340	-	527,5	672,5	600
2000	1350	2600	2930	505	2115	-	155	805	2115	1805	805	1505	505	1105	1345	-	525	715	620
2500	1400	2655	3000	565	2150	-	175	865	2150	1850	850	1550	565	1165	1405	-	585	775	680
3000	1450	2870	3215	575	2350	-	180	800	2350	2050	850	1750	575	1050	1415	-	595	785	690
4000	1600	2940	3350	600	2380	-	160	900	2380	2080	870	1780	600	1200	1440	-	620	810	715
5000	1800	2980	3480	610	2385	-	140	910	2385	2085	885	1785	610	1210	1450	-	630	820	725

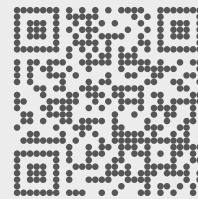
R*: reversal quota

Q1**: Height from inspection hole center to the ground



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