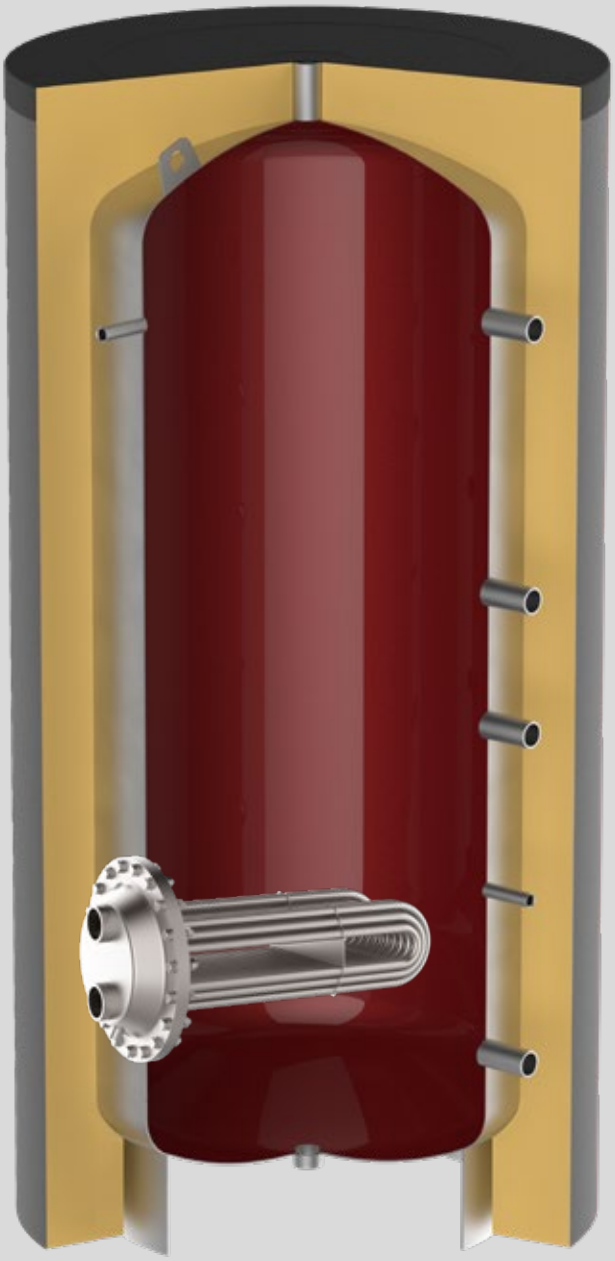
Removable Exchangers
Water Heaters
BOIL



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, with insulation (see chart below), an external cover in PVC and a magnesium anode for the protection against galvanic currents.



TESTED

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

WRAS APPROVED MATERIAL

Insulation

Capacity (l)	Type
from 200 to 1000	Highly rigid polyurethane foam
from 1500	Polyester Fiber

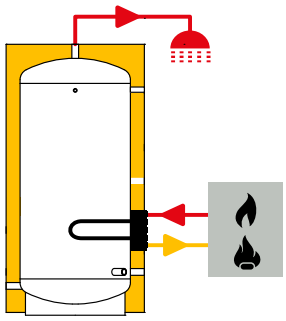
Operational limits

	Storage		Primary circuit	
Capacity l	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: Safety valve and thermometer for sizes up to 1000 l, magnesium sacrificial anode for all sizes.

Standard accessories: see pag 294

Special versions: see pag 296



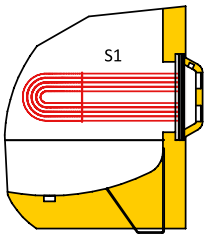
Capacity l	Code	Price	Energy label	Vertical Packaging Dimensions cm	Vertical Packaging Weight kg
200	818060081X		A	75X75X125	84
300	818060082X		A	75x75x150	96
500	818060083X		B	85x85x180	136
750	818060084X		C	100x100x180	221
1000	818060085X		C	105x105x210	269
1500	818080375X		C	130x130x245	289
2000	818080361X		C	140x140x275	368
2500	818080362X			145x145x280	410
3000	818080363X			150x150x300	459
4000	818080364X			165x165x310	638
5000	818080365X			185x185x315	738



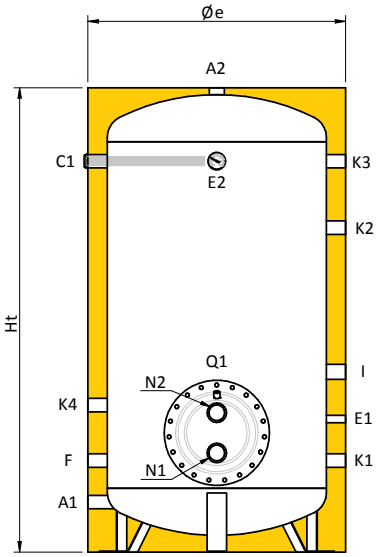
Integration with AQUAFAST

See page 212

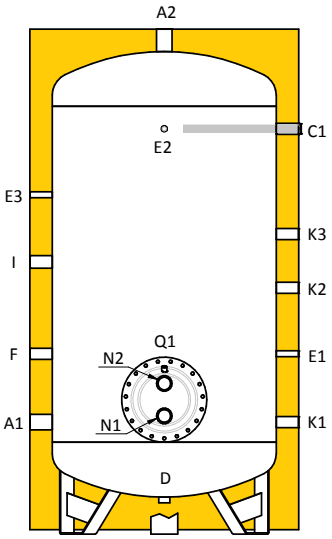
Water heater
with tube heat exchanger – BOIL

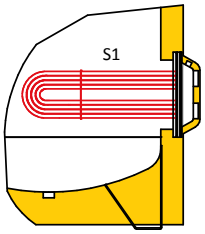


200 ≤ cap. ≤ 1.000



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	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	-	1/2"	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	-	1/2"	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	-	1/2"	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	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	710	1105	1315	150	885	-	295	885	-	295	445	150	595	990	495	285	405	345
300	710	1355	1530	150	1135	-	445	1135	-	295	595	295	795	1135	495	295	415	355
500	810	1635	1825	145	1390	-	460	1390	-	310	610	310	1150	1390	510	310	430	370
750	950	1675	1925	180	1410	-	480	1410	-	330	650	330	1170	1410	530	358	503	430
1000	1010	1965	2210	200	1680	-	500	1680	-	350	670	350	1190	1680	550	378	523	450
1500	1250	2280	2600	500	1810	165	805	1810	1515	805	1215	500	1100	1340	-	5287	673	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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