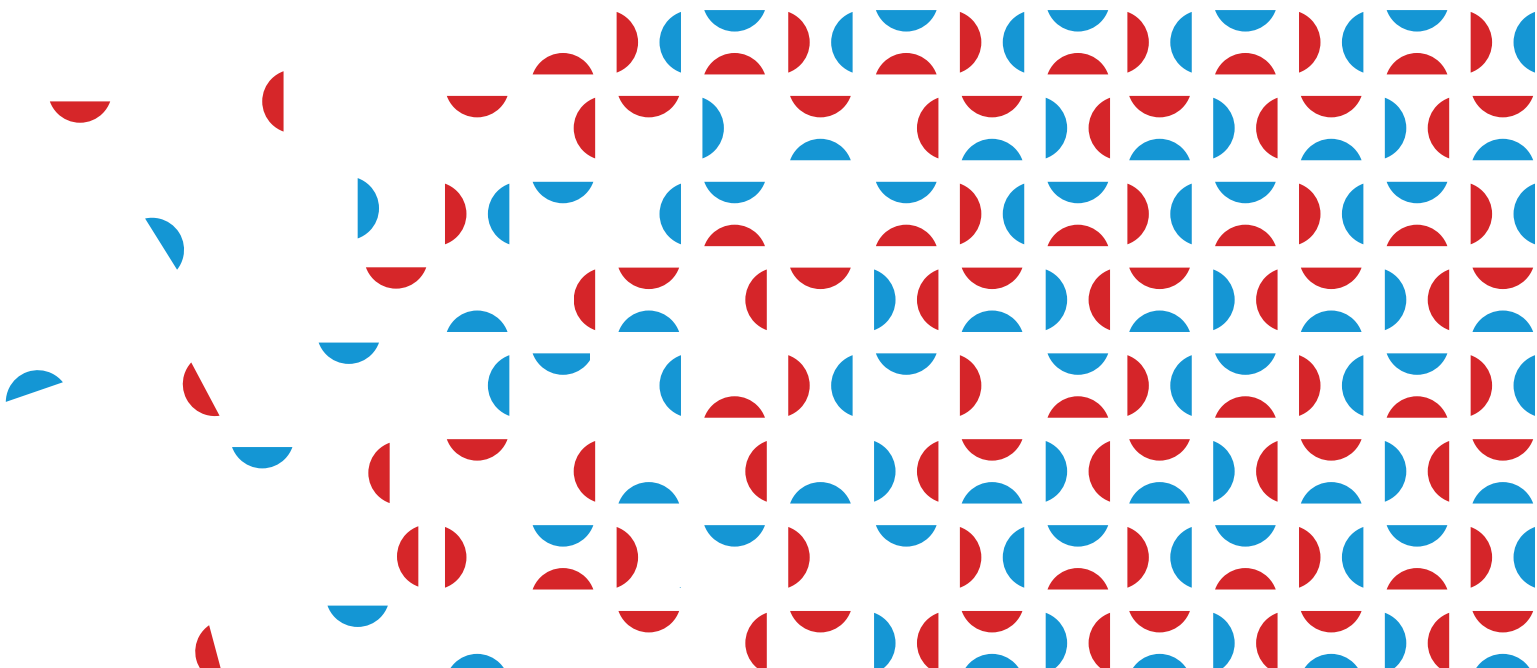


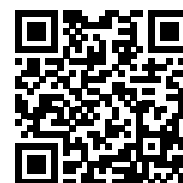
DHW STORAGE TANKS

WATER HEATERS WITH FIXED COIL

VERTINOX 2



Water heater with fixed double heat exchanger - VERTINOX 2



PRICES

The VERTINOX 2 range consists of domestic hot water boilers, equipped with a fixed double coil, available in different capacities, from 200 to 3000 litres. They are equipped with different types of insulation according to capacity (see table Insulation), PVC outer jacket, magnesium anode for protection against galvanic currents, inspection flange for easy access during inspection and maintenance.

Material: AISI 316 stainless steel

Internal protective treatment: pickling and passivation

Insulation

Capacity (l)	Type
from 200 to 3,000	Polyester Fibre

Limit of use

Tank side		Primary circuit	
Temperature max.	Pressure max.	Temperature max.	Pressure max.
95°C	6 bar	110°C	12 bar



Accessories Included: Magnesium sacrificial anode for all sizes.



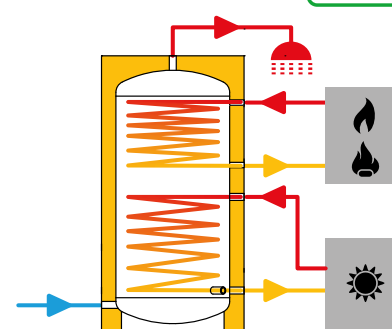
Standard accessories: see page 163



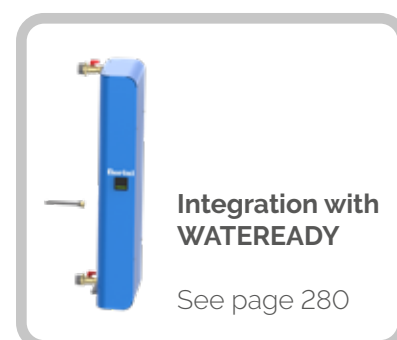
Special executions: see page 165



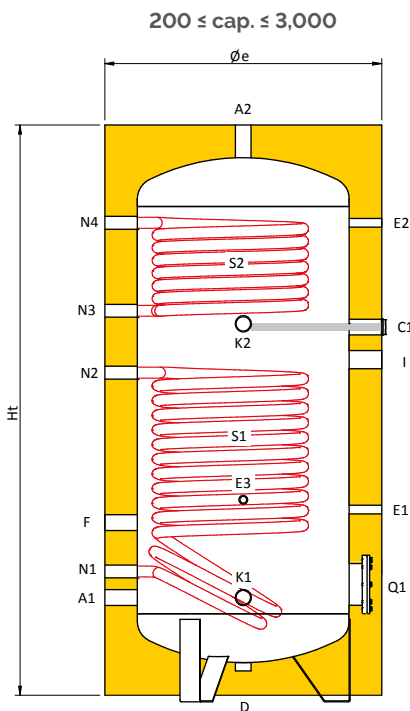
TESTED



Capacity l	Code	Price	Energy class	With vertical packaging
				Dimensions cm
200	319040123X	2.982,00 €	B	70x70x160
300	319040124X	3.393,00 €	B	80x80x165
500	319040125X	4.224,00 €	C	90x90x195
750	319040126X	5.073,00 €	C	100x100x200
1000	319040127X	6.894,00 €	C	110x110x225
1500	319040128X	9.439,00 €	C	130x130x240
2000	319040129X	11.321,00 €	C	150x150x245
2500	319040130X	14.190,00 €		150x150x275
3000	319040131X	15.666,00 €		150x150x300



Water heater with fixed double heat exchanger - VERTINOX 2



Connection legend

A1	Domestic water inlet
A2	Domestic water outlet
C1	Anode
D	Drain
E1	Probe/Thermometer
E2	Probe/Thermometer
E3	Probe/Thermometer
D	Drain
F	Recirculation
I	Electrical Resistance
K1	Auxiliary
K2	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	D inches	E1 inches	E2 inches	E3 inches	F inches	I inches	K1 inches	K2 inches	N1 inches	N2 inches	N3 inches	N4 inches	Q1 (Øext/Øint) mm
200	1 1/4	1 1/4	1 1/4	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	3/4"	3/4"	3/4"	3/4"	Ø180/Ø120
300	1 1/4	1 1/4	1 1/4	1 1/4	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	3/4"	3/4"	3/4"	3/4"	Ø180/Ø120
500	1 1/4	1 1/4	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"	1"	1"	Ø180/Ø120
750	1 1/2	1 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	1 1/4	1 1/4	1 1/4	Ø180/Ø120
1000	1 1/2	1 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	1 1/4	1 1/4	1 1/4	Ø180/Ø120
1500	1 1/2	1 1/2	1 1/4	1 1/2	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
2000	1 1/2	1 1/2	1 1/4	2"	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
2500	1 1/2	1 1/2	1 1/4	2"	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220
3000	1 1/2	1 1/2	1 1/4	2"	1/2"	1/2"	1/2"	1 1/4	1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	Ø300/Ø220

Size table

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	N1 mm	N2 mm	N3 mm	N4 mm	Q1** mm
200	650	1410	1535	265	880	120	535	1165	565	495	800	265	1105	920	1165	265	1105	305
300	750	1490	1650	305	920	120	575	1205	605	535	840	305	1145	995	1205	305	1145	345
500	850	1770	1945	320	1150	120	590	1470	620	550	1050	320	1160	1200	1470	320	1160	360
750	990	1810	2045	340	1090	120	610	1490	640	570	1010	340	1180	1160	1490	340	1180	380
1000	1050	2100	2350	390	1320	120	630	1760	690	620	1220	390	1230	1430	1760	390	1230	400
1500	1250	2235	2560	480	1400	165	840	1850	780	710	1300	480	1320	1490	1820	480	1320	560
2000	1450	2315	2735	515	1455	155	875	1885	815	765	1355	515	1355	1585	1855	515	1355	595
2500	1400	2615	2970	515	1555	155	875	2155	815	765	1455	515	1355	1830	2155	515	1355	595
3000	1450	2850	3200	545	1715	180	905	2385	845	805	1615	655	1385	2040	2365	545	1385	625

R*: Tipping height

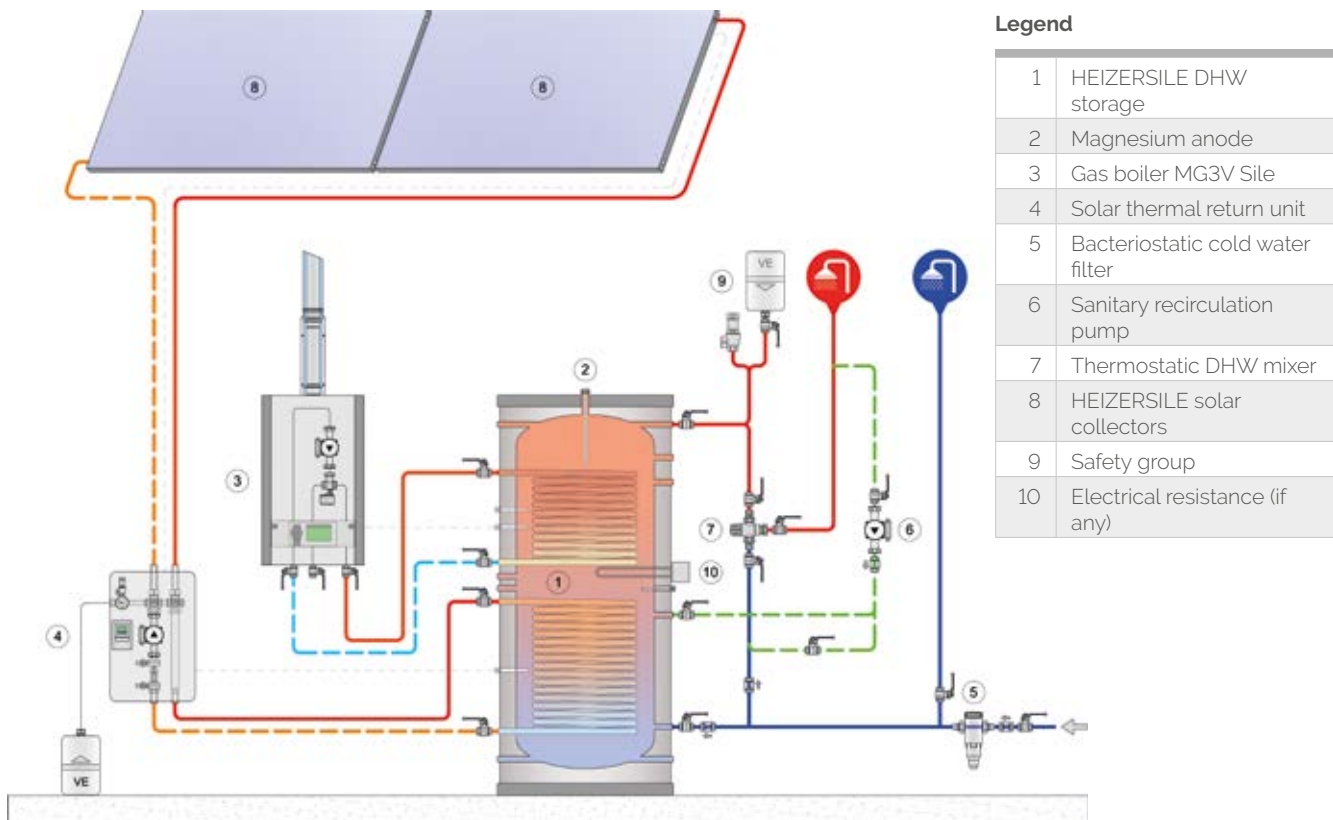
Q1**: height from the centre of the hatch to the ground

Technical Insights for VERTINOX 2 Series

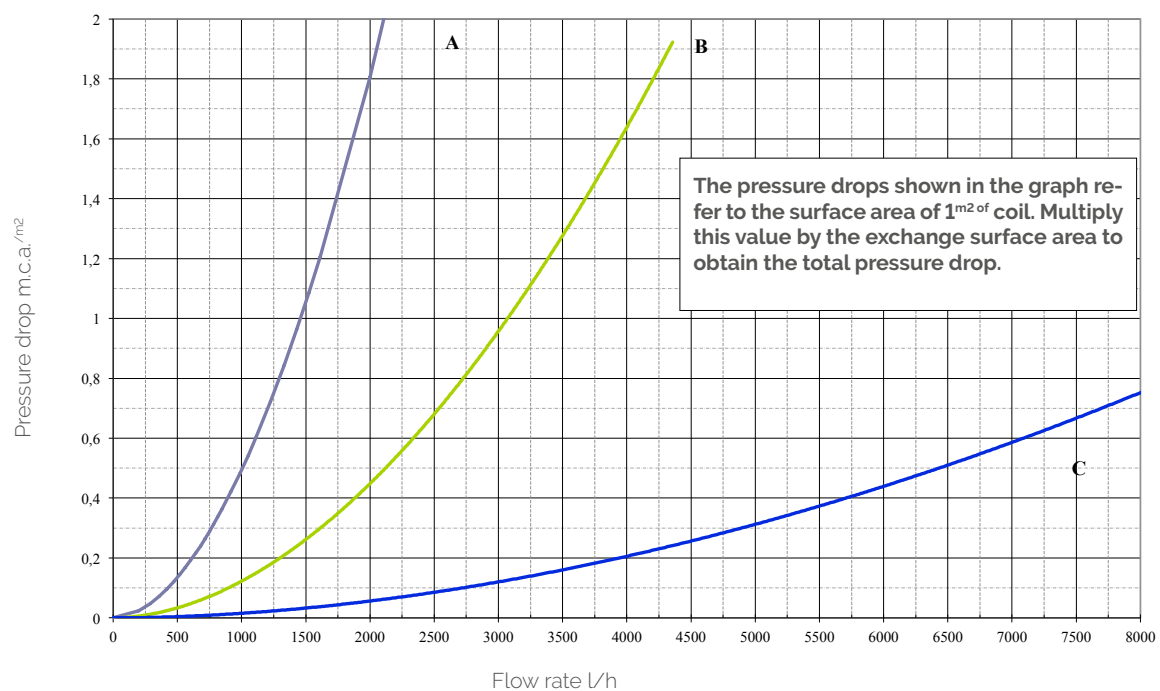
		Hot Water Production TiACS = 10°C (Upper exchanger)						Upper exchanger	Exchanger lower	
Capacity	Ti	TuACS= 45°C		TuACS = 60°C		Ta = 50°C TuACS = 45°C	Ta = 60°C TuACS = 45°C	Surface	Surface	Nominal flow rate
l	°C	L/h (a)	kW (b)	L/h (c)	kW (d)	L/10 min. (e)	L/10 min. (f)	m²	m²	mc/h
200	70	270	11	137	8	257	300	0,5	0,8	3,0
	80	368	15	206	12	274	316			
	90	442	18	258	15	286	328			
300	70	344	14	154	9	376	440	0,7	1,2	3,0
	80	442	18	258	15	392	456			
	90	516	21	309	18	405	468			
500	70	589	24	292	17	630	736	1,0	1,8	3,0
	80	786	32	430	25	662	769			
	90	909	37	533	31	683	789			
800	70	688	28	344	20	965	1135	1,6	2,7	4,0
	80	933	38	516	30	1006	1176			
	90	1081	44	636	37	1031	1201			
1000	70	688	28	344	20	1178	1391	1,8	3,5	6,0
	80	933	38	516	30	1219	1432			
	90	1081	44	636	37	1243	1456			
1500	70	909	37	447	26	1747	2066	1,6	4,0	6,0
	80	1228	50	688	40	1800	2119			
	90	1449	59	860	50	1837	2156			
2000	70	1154	47	567	33	2319	2745	2,0	4,8	8,0
	80	1548	63	860	50	2385	2811			
	90	1818	74	1066	62	2430	2856			
2500	70	1400	57	688	40	2892	3424	2,4	5,6	8,0
	80	1867	76	1049	61	2970	3502			
	90	2211	90	1290	75	3028	3559			
3000	70	1400	57	688	40	3424	4063	2,4	6,4	8,0
	80	1867	76	1032	60	3502	4140			
	90	2186	89	1290	75	3555	4194			

- at continuous DHW flow rate with TuACS= 45°C
- b exchanger power with TuACS=45°C
- c continuous DHW flow rate with TuACS= 60°C
- d exchanger power with TuACS=60°C
- and quantity of DHW delivered at 45°C in the first 10 min with storage at 50°C
- f quantity of DHW delivered at 45°C in the first 10 min. with storage at 60°C
- Exchanger capacity: 6.40 L/m²

Technical Insights for VERTINOX 2 Series



Fixed exchanger pressure losses



A) 200 l storage B) 300 to 500 l storage included C) 800 to 3000 l storage

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.

