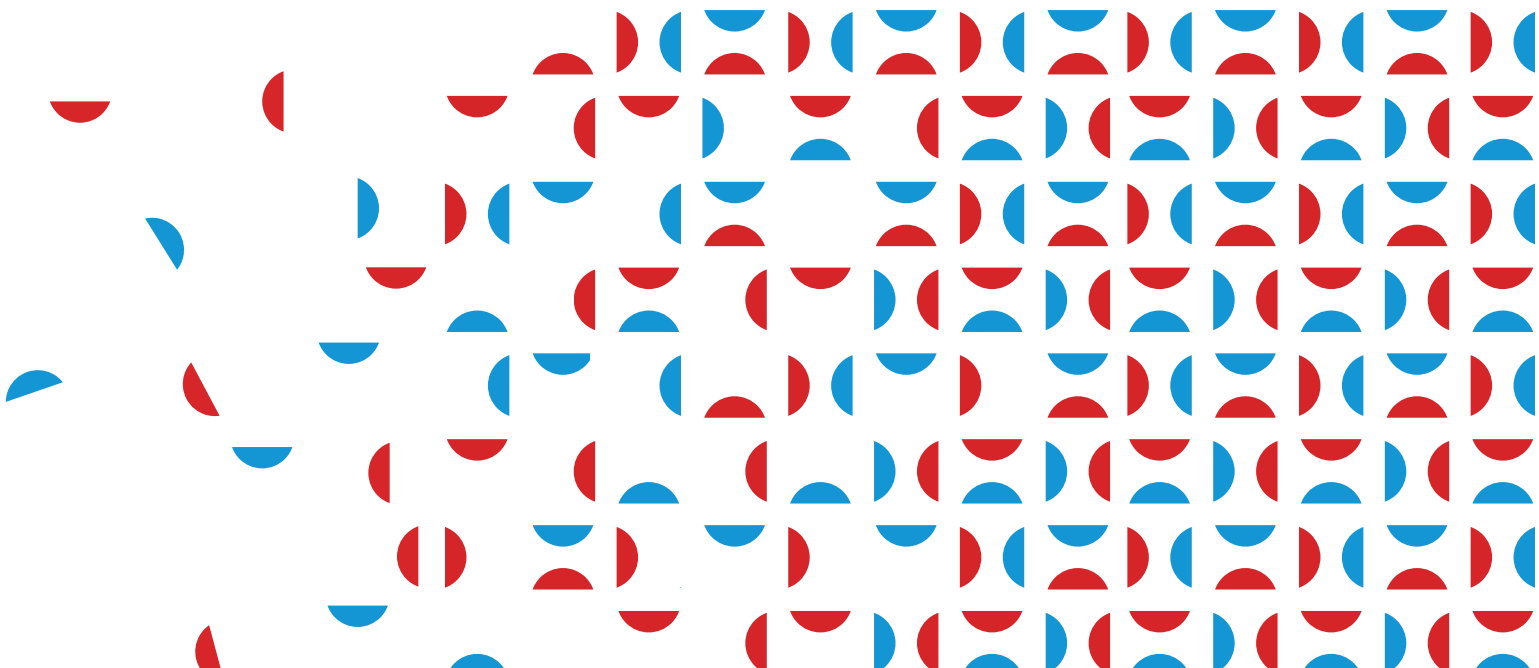


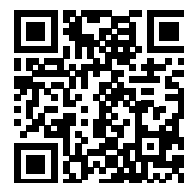
DHW STORAGE TANKS

WATER HEATERS WITH FIXED COIL

BSFV 2



Water heater with double fixed heat exchanger - BSFV 2



PRICES

The BSFV 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 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: Tanks with capacities up to 1000 l are treated with food-safe inorganic vitreous enamel according to DIN 4753.3, those with capacities from 1500 to 3000 l are enamelled with Bluetech.



Insulation

Capacity (l)	Type
from 200 to 1000	High-density rigid polyurethane foam
by 1500	Polyester Fibre

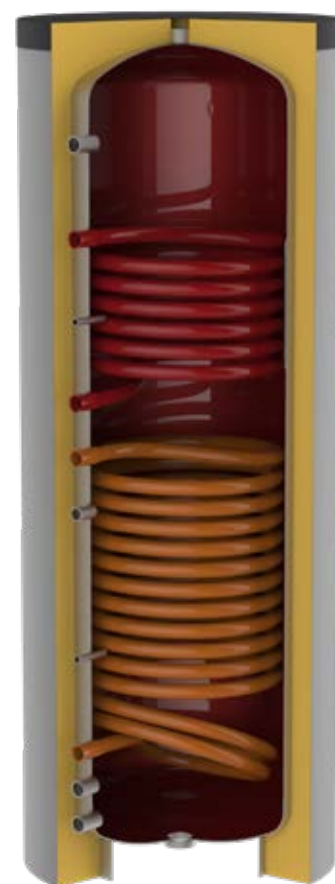
Limit of use

Capacity (l)	Tank side		Primary circuit	
	Temp. max.	Pressure max.	Temp. max.	Pressure max.
from 200 to 1000	95°C	10 bar	110°C	12 bar
from 1500 to 3000	80°C	6 bar	110°C	12 bar

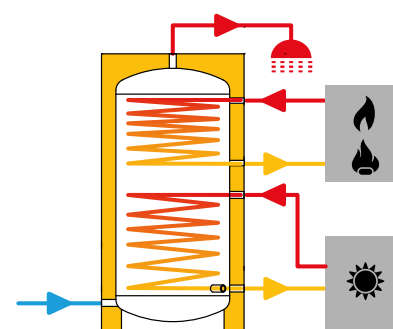
Accessories Included: safety valve and thermometer for sizes up to 1000 l, magnesium sacrificial anode for all sizes.

Standard accessories: see page 163

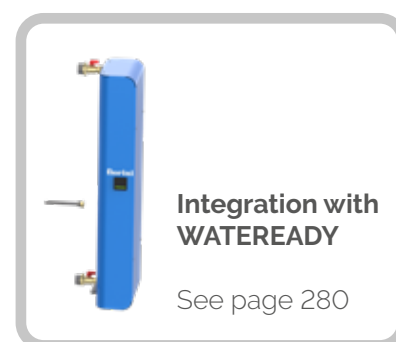
Special executions: see page 165



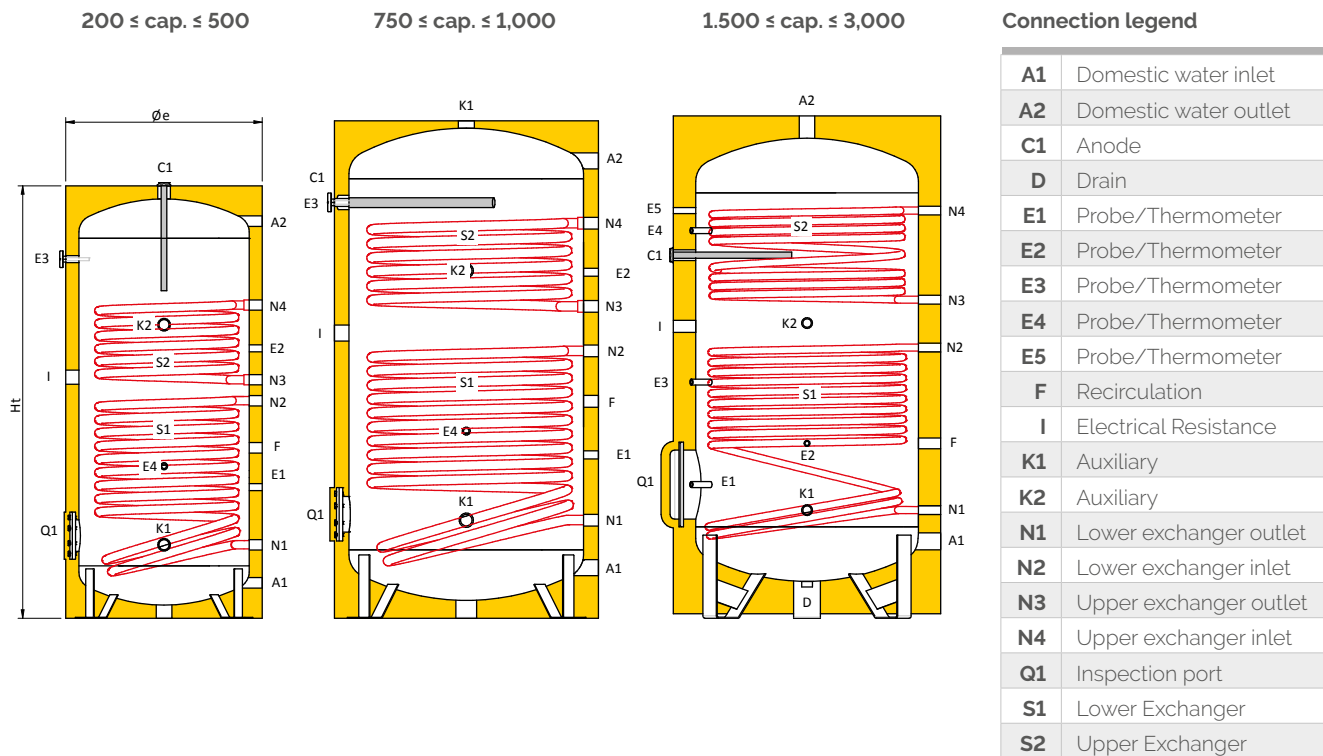
TESTED



Capacity l	Code	Price	Energy class	With vertical packaging	
				Dimensions cm	Weight kg
200	319060323X	1.484,00 €	B	60x60x150	84
300	319060324X	1.759,00 €	B	70x70x155	119
500	319060325X	2.250,00 €	C	80x80x180	158
750	319060326X	3.520,00 €	C	95x95x185	229
1000	319060327X	3.938,00 €	C	110x110x210	270
1500	319080003X	5.381,00 €	C	130x130x245	320
2000	319080004X	5.941,00 €	C	140x140x275	417
3000	319080006X	7.606,00 €		150x150x300	504



Water heater with double fixed heat exchanger BSFV 2



Connection table

Cap. l	A1 inches	A2 inches	C1 inches	D inches	E1 inches	E2 inches	E3 inches	E4 inches	E5 inches	F inches	I inches	K1 inches	K2 inches	N1 inches	N2 inches	N3 inches	N4 inches	Q1 (Øext/Øint) mm
200	1"	1"	1 1/4"	-	1/2"	1/2"	1/2"	-	-	1"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø180/Ø120
300	1"	1"	1 1/4"	-	1/2"	1/2"	1/2"	-	-	1"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø180/Ø120
500	1"	1"	1 1/4"	-	1/2"	1/2"	1/2"	-	-	1"	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"	-	1/2"	1/2"	1/2"	-	-	1"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø180/Ø120
1000	1 1/2"	1 1/2"	1 1/4"	-	1/2"	1/2"	1/2"	-	-	1"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø180/Ø120
1500	2"	2"	1 1/4"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/4"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø380/Ø300
2000	2"	2"	1 1/4"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/4"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø380/Ø300
3000	3"	3"	1 1/4"	1 1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/4"	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"	1"	Ø380/Ø300

Size table

Cap. l	Øe mm	Ht mm	R* mm	A1 mm	A2 mm	C1 mm	D mm	E1 mm	E2 mm	E3 mm	E4 mm	E5 mm	F mm	I mm	K1 mm	K2 mm	N1 mm	N2 mm	N3 mm	N4 mm	Q1 mm
200	560	1325	1440	120	1220	1325	-	390	910	1115	-	-	520	755	230	1070	230	710	810	1045	280
300	660	1380	1530	130	1260	1380	-	415	985	1145	-	-	545	770	245	1085	245	720	820	1100	295
500	760	1650	1820	135	1515	1650	-	500	1030	1350	-	-	650	860	280	1120	280	810	910	1195	320
750	910	1675	1910	170	1540	1400	-	550	1165	1400	-	-	730	980	330	1170	330	900	1050	1330	350
1000	1010	1965	2210	190	1810	1670	-	570	1235	1670	-	-	730	970	350	1190	350	920	1070	1400	380
1500	1250	2280	2605	345	2280	1630	165	600	785	1060	1740	1830	785	1310	485	1325	485	1215	1430	1830	600
2000	1350	2600	2930	345	2600	1965	155	605	780	1165	2065	2150	815	1495	480	1320	480	1325	1690	2150	605
3000	1450	2870	3220	400	2870	2120	180	665	850	1375	2225	2410	875	1625	550	1390	550	1540	1680	2410	665

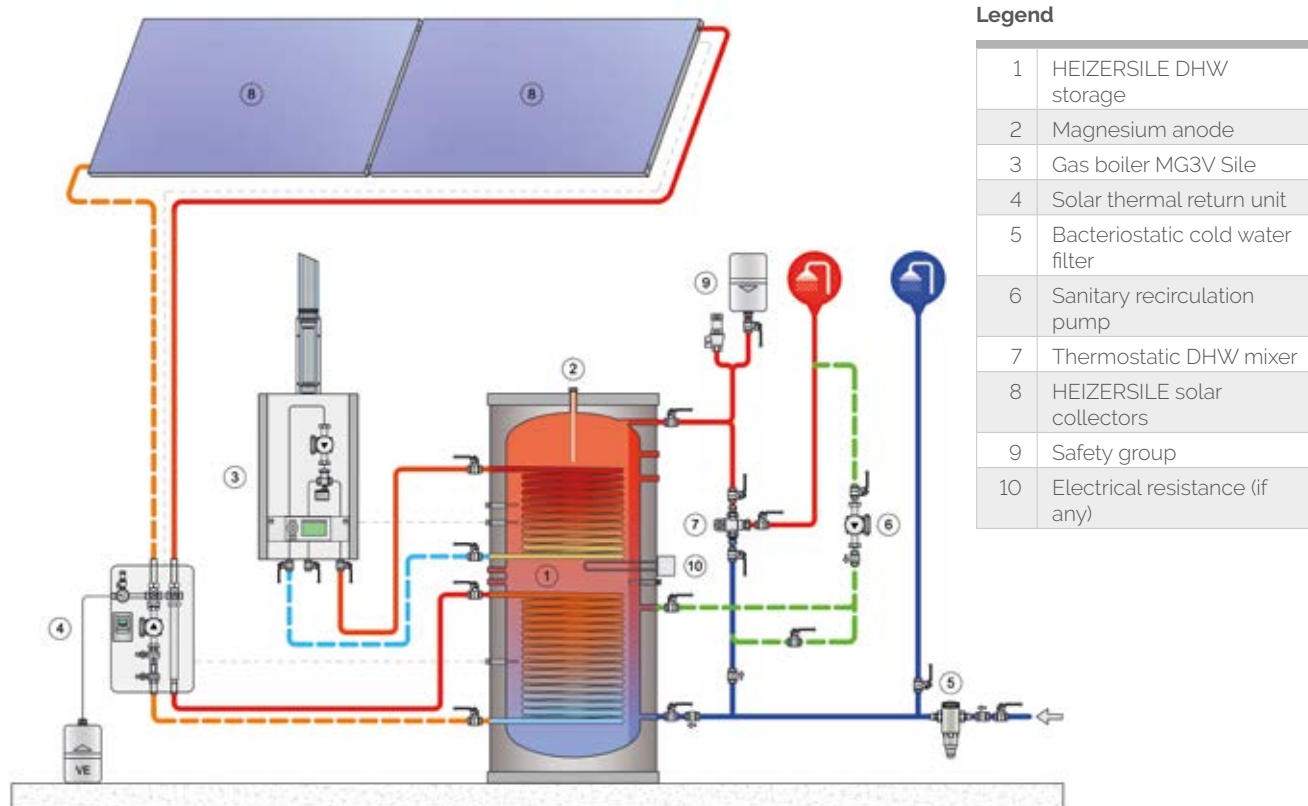
R*: Tipping height

Technical Insights for BSFV 2 Series

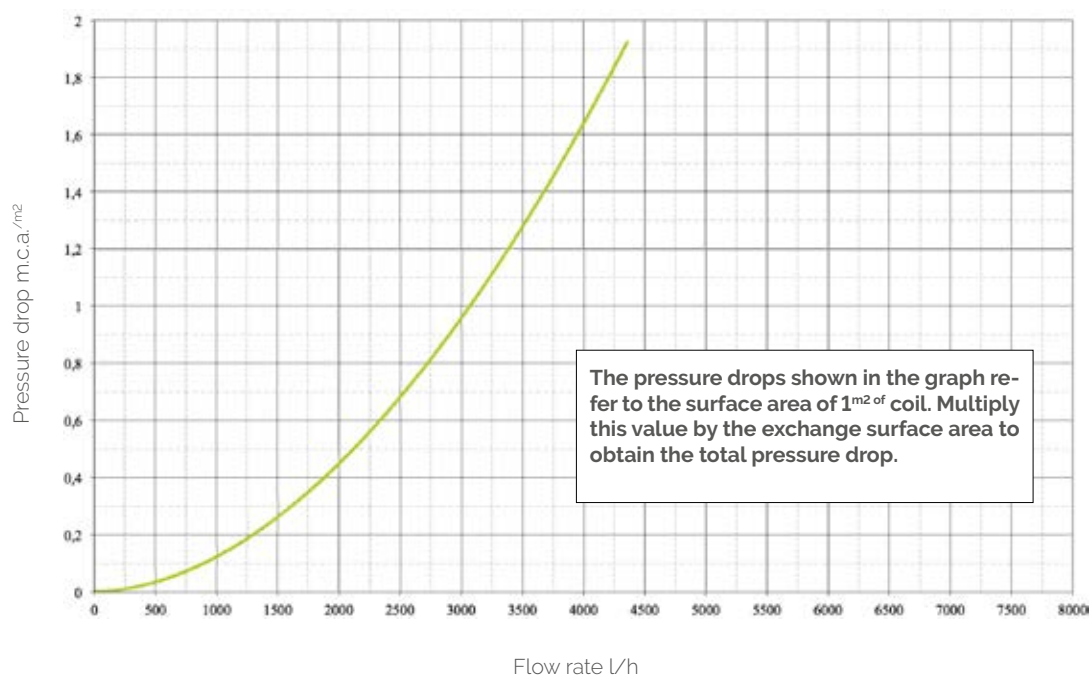
		Hot Water Production TiACS = 10°C						Upper exchanger	Exchanger lower	
Capacity	Ti	TuACS= 45°C		TuACS = 60°C		Ta = 50°C TuACS = 45°C	Ta = 60°C TuACS = 45°C	Surface	Surface	Nominal flow rate
l	°C	L/h (a)	kW (b)	L/h (c)	kW (d)	L/10 min. (e)	L/10 min. (f)	m²	m²	mc/h
200	70	417	17	206	12	282	324	0,5	1	3
	80	540	22	292	17	302	345			
	90	614	25	361	21	315	357			
300	70	638	26	309	18	425	489	0,8	1,3	3
	80	860	35	481	28	462	526			
	90	1007	41	584	34	486	550			
500	70	638	26	309	18	638	744	1	1,8	3
	80	860	35	481	28	675	781			
	90	1007	41	584	34	699	806			
750	70	688	28	344	20	912	1072	1,2	2,5	3
	80	933	38	516	30	953	1112			
	90	1081	44	636	37	978	1137			
1000	70	884	36	430	25	1211	1423	1,5	2,7	3
	80	1179	48	653	38	1260	1473			
	90	1376	56	808	47	1293	1505			
1500	70	1326	54	653	38	1816	2135	2,3	3,7	6,0
	80	1793	73	980	57	1894	2213			
	90	2113	86	1238	72	1947	2267			
2000	70	1744	71	860	50	2418	2843	3	4,3	8,0
	80	2334	95	1290	75	2516	2942			
	90	2727	111	1599	93	2582	3007			
3000	70	2211	90	1083	63	3559	4198	3,8	5,2	8,0
	80	2948	120	1634	95	3682	4321			
	90	3440	140	2029	118	3764	4403			

- 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 BSFV 2 Series



Fixed exchanger pressure losses



Wenkel S.r.l

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