

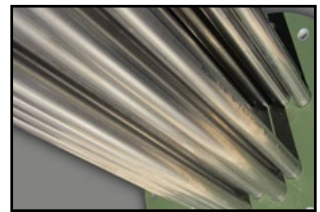
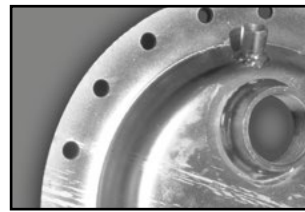
BV1V - Enamelled finish boiler with removable exchanger

BV1K - Keramtech boiler with removable exchanger



Boiler for the production and storage of Sanitary Hot Water. The boiler is made of carbon steel protected by internal enamelled/Keramtech processing. It is equipped with a removable heat exchanger made of copper or stainless steel tube bundle.

The heat exchanger is bent downward to prevent bacterial growth in the coldest part of the boiler.



TECHNICAL CHARACTERISTICS

		BV1V	BV1K
Sanitary	Material:	S 235 Jr enamelled	S 235 Jr Keramtech
	Internal protective processing:	Inorganic alimentary enamelling DIN 4753.3	Alimentary epoxy-ceramic coating
	External protective processing:	Painting with anti rust and industrial enamel	Painting with anti rust and industrial enamel
	Operation (P max. / T max.):	8 bar / 95°C	6 bar / 100°C
	Cathodic protection:	Magnesium anode	
Exchanger	Material:	Stainless steel or Copper	
	Typology:	U-tube bundle with removable plate	
	Operation (P max. / T max.):	12 bar / 95°C	
General characteristics	Capacity:	200 - 2000 Lt	2000 - 5000 Lt
	Warranty:	5 years (<i>sanitary storage</i>), 2 years (<i>removable exchanger</i>)	
	Insulation:	- Flexible Polyester + pvc: Fire resistance class B2 (DIN4102)	
		- Rigid insulation: - up to 2000 Lt in polyurethane + pvc: Fire resistance class B3 (DIN4102) - from 2500 to 5000 Lt polyester (15) + polystyrene (85) + pvc: Fire resistance class B2 (DIN4102)	
Reference legislation:	- PED 14/68/UE Art. 4 Par. 3 (Pressure equipment) - M.D. of 6th April 2004 N.174 (suitability of materials in contact with SHW) - Directive 2009/125/CE (Energy related Products)		

FITTINGS
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Electronic anode with impressed current



Electronic control unit



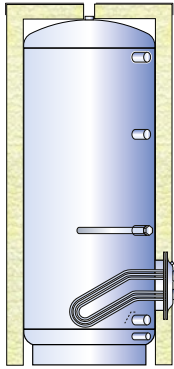
Electrical resistance 1"1/2 connection



Thermostat

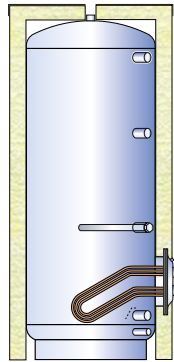


Thermometer



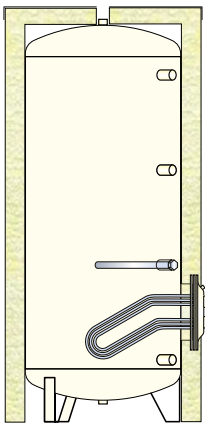
BV1VI - Enamelled boiler with inox removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid Polyurethane insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
-	-	-	BV1VI 00200 R	50	C	-
-	-	-	BV1VI 00300 R	50	C	-
-	-	-	BV1VI 00500 R	50	C	-
BV1VI 00800 F	D	-	BV1VI 00800 R	100	C	-
BV1VI 01000 F	D	-	BV1VI 01000 R	100	C	-
BV1VI 01500 F	D	-	BV1VI 01500 R	100	C	-
BV1VI 02000 F	D	-	BV1VI 02000 R	100	C	-

Request estimate for the horizontal version



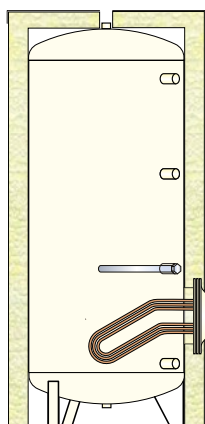
BV1VR - Enamelled boiler with copper removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid Polyurethane insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
-	-	-	BV1VR 00200 R	50	C	-
-	-	-	BV1VR 00300 R	50	C	-
-	-	-	BV1VR 00500 R	50	C	-
BV1VR 00800 F	D	-	BV1VR 00800 R	100	C	-
BV1VR 01000 F	D	-	BV1VR 01000 R	100	C	-
BV1VR 01500 F	D	-	BV1VR 01500 R	100	C	-
BV1VR 02000 F	D	-	BV1VR 02000 R	100	C	-

Request estimate for the horizontal version



BV1KI - Keramtech boiler with inox removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
BV1KI 02000 F	E	-	BV1KI 02000 R	100	C	-
BV1KI 02500 F	-	-	BV1KI 02500 R	100	-	-
BV1KI 03000 F	-	-	BV1KI 03000 R	100	-	-
BV1KI 04000 F	-	-	BV1KI 04000 R	100	-	-
BV1KI 05000 F	-	-	BV1KI 05000 R	100	-	-
KDS (Exhaust kit)		-				

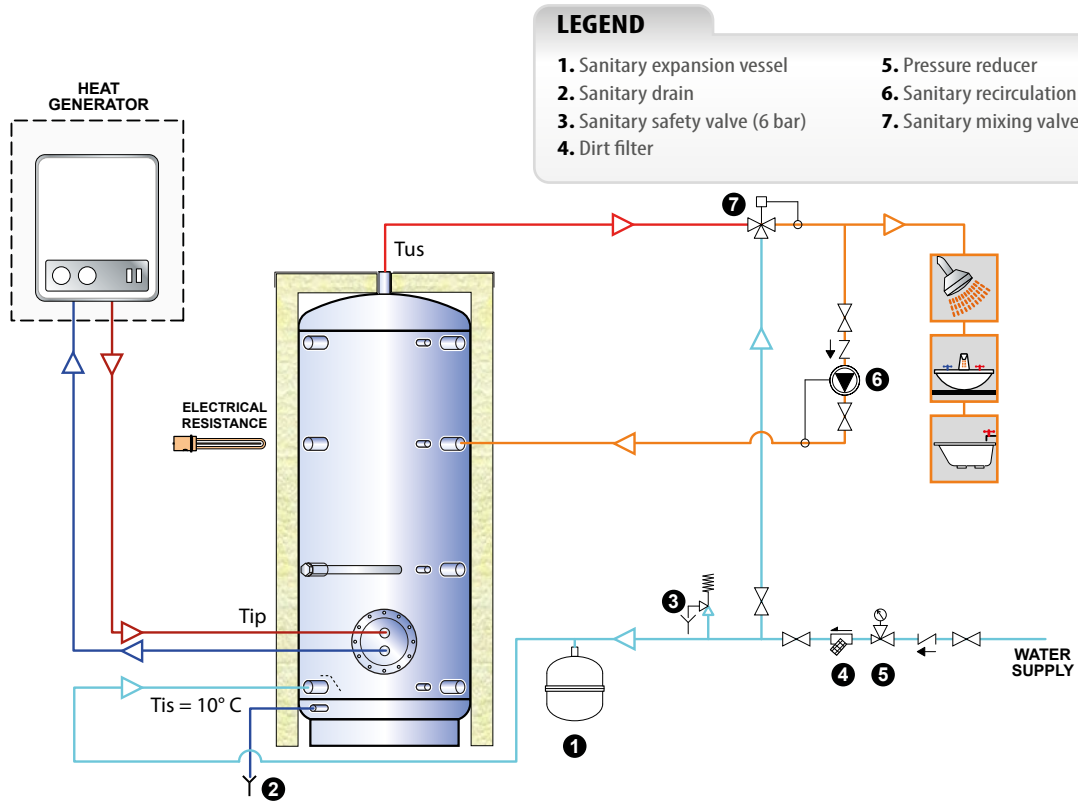
Horizontal version +10%



BV1KR - Keramtech boiler with copper removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
BV1KR 02000 F	E	-	BV1KR 02000 R	100	C	-
BV1KR 02500 F	-	-	BV1KR 02500 R	100	-	-
BV1KR 03000 F	-	-	BV1KR 03000 R	100	-	-
BV1KR 04000 F	-	-	BV1KR 04000 R	100	-	-
BV1KR 05000 F	-	-	BV1KR 05000 R	100	-	-
KDS (Exhaust kit)		-				

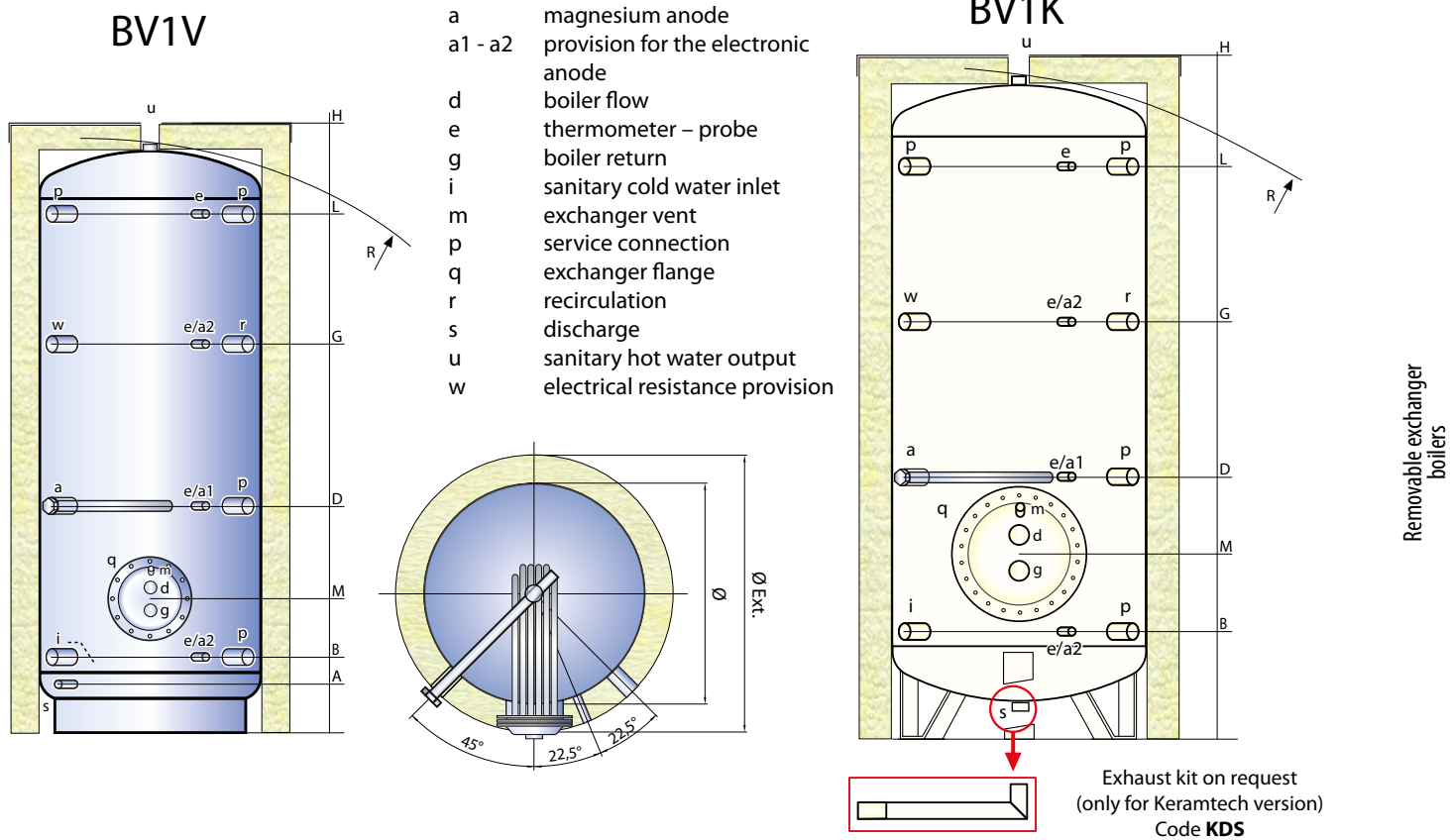
Horizontal version +10%

Caution: Indicative Schematic diagram, not substitutive for project work.



Model	lower exchanger							Amount of water in the first 10 min (Lt/10')
	Sq.m. (Lt)	Lt/h (mca)	Tip (°C)	production of Sanitary Hot Water				
				Tus=45°C		Tus=60°C		
Power (kW)	Flow (Lt/h)	Power (kW)	Flow (Lt/h)					
BV1V_00200R	0,5 (2,9)	2000 (0,8)	80	12,3	303	9,9	170	307
			70	9,8	240	6,9	119	
BV1V_00300R	0,75 (3,8)	2000 (0,8)	80	18,2	446	14,5	249	452
			70	14,4	354	10,2	176	
BV1V_00500R	1 (4,7)	3000 (0,7)	80	24,5	601	19,4	334	735
			70	19,4	476	13,6	234	
BV1V_00800_	1,5 (7,7)	4000 (1,2)	80	36,3	893	28,9	497	1163
			70	28,8	708	20,4	352	
BV1V_01000_	2 (9,5)	5000 (1,0)	80	48,0	1179	38,6	663	1449
			70	38,4	944	27,1	466	
BV1V_01500_	3 (13)	6000 (1,4)	80	71,3	1751	57,0	980	2150
			70	56,5	1389	40,0	689	
BV1V_02000_	4 (17,2)	7000 (1,3)	80	94,1	2311	74,8	1287	2830
			70	74,6	1834	53,0	912	
BV1K_02500_	5 (20,8)	8000 (1,3)	80	116,4	2860	92,8	1596	3507
			70	92,4	2270	65,8	1132	
BV1K_03000_	5 (20,8)	10000 (1,7)	80	118,8	2918	95,0	1633	4144
			70	94,2	2315	66,7	1148	
BV1K_04000_	8 (31,4)	12000 (1,7)	80	184,3	4528	148,4	2553	5496
			70	146,3	3595	104,5	1798	
BV1K_05000_	10 (34,3)	15000 (1,7)	80	230,4	5660	185,5	3191	6786
			70	182,9	4494	130,7	2247	

For the purposes of the Directive (ErP) 2009/125/EC Regulation N° 812/2013 and N° 814/2013 the results of the energy measurements are given on page 218



Model	Dimensions (mm)				Exchanger (Sq.m.)	Electronic anode (optional)	Weight (Kg)
	Ø	H	Ø Ext **	R*			
BV1V_00200R	450	1320	550	1440	0,50	a1 (EPS 375/125)	65
BV1V_00300R	500	1610	600	1730	0,75	a1 (EPS 375/125)	80
BV1V_00500R	650	1660	750	1835	1,00	a1 (EPS 375/125)	104
BV1V_00800_	790	1750	990	1745	1,50	a1 (EPS 375/125)	177
BV1V_01000_	790	2110	990	2095	2,00	a1 (EPS 375/125)	203
BV1V_01500_	1000	2115	1200	2145	3,00	a2 (EPS 375/125)	314
BV1V_02000_	1100	2435	1300	2465	4,00	a2 (EPS 375/125)	443
BV1K_02000_	1100	2435	1300	2465	4,00	a2 (EPS 375/125)	301
BV1K_02500_	1200	2595	1400	2640	5,00	a2 (EPS 700/200)	358
BV1K_03000_	1250	2795	1450	2835	5,00	a2 (EPS 700/200)	386
BV1K_04000_	1400	2925	1600	2995	8,00	a2 (EPS 700/200)	564
BV1K_05000_	1600	2955	1800	3090	10,00	a2 (EPS 700/200)	660

* For capacities from 200 to 500 Lt diagonal of rollover refers to the insulated tank

** All insulations are removable except for models from 200 to 500 Lt

Model	Quotes (mm)						Connections (gas)										
	A	B	D	G	L	M	a	p	d	g	e	i	u	m	s	w	q
BV1V_00200R	110	190	515	890	1075	350	1"1/4	1"	1/2"	1"	1/2"	1"1/4	3/8"	3/8"	1"	1"1/2	220/290
BV1V_00300R	110	215	595	1080	1350	375	1"1/4	1"	1/2"	1"	1/2"	1"1/4	3/8"	3/8"	1"	1"1/2	220/290
BV1V_00500R	135	240	615	1105	1375	445	1"1/4	1"	1/2"	1"	1/2"	1"1/4	3/8"	3/8"	1"	1"1/2	220/290
BV1V_00800_	150	275	655	1145	1410	450	1"1/4	2"	1/2"	1"	1/2"	1"1/2	3/8"	3/8"	1"	1"1/2	300/380
BV1V_01000_	150	275	810	1355	1755	455	1"1/4	2"	1/2"	1"	1/2"	1"1/2	3/8"	3/8"	1"	1"1/2	300/380
BV1V_01500_	235	340	765	1400	1725	520	1"1/4	2"	1/2"	1"	1/2"	2"	3/8"	3/8"	1"	1"1/2	300/380
BV1V_02000_	265	370	930	1435	1945	575	1"1/4	2"	1/2"	1"	1/2"	2"	3/8"	3/8"	1"	1"1/2	350/430
BV1K_02000_	-	475	1010	1515	1975	680	1"1/4	2"	1/2"	1"	1/2"	2"	3/8"	3/8"	1"1/4	1"1/2	400/480
BV1K_02500_	-	505	1040	1600	2105	715	1"1/4	2"	1/2"	1"	1/2"	2"	3/8"	3/8"	1"1/4	1"1/2	400/480
BV1K_03000_	-	515	1100	1730	2300	700	1"1/4	2"	1/2"	1"	1/2"	3"	3/8"	3/8"	1"1/4	1"1/2	400/480
BV1K_04000_	-	595	1190	1815	2380	780	1"1/4	2"	1/2"	1"	1/2"	3"	3/8"	3/8"	1"1/4	1"1/2	400/480
BV1K_05000_	-	600	1185	1815	2385	785	1"1/4	2"	1/2"	1"	1/2"	3"	3/8"	3/8"	1"1/4	1"1/2	400/480