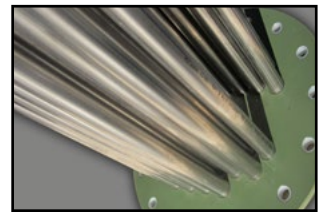
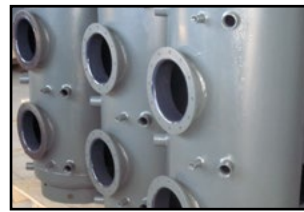


BV2V - Enamelled boiler with double removable exchanger

BV2K - Keramtech boiler with double 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 two heat removable exchangers by stainless steel or copper tube bundle. The lower exchanger is curved downwards to prevent the proliferation of bacteria in the coldest zone of the boiler.



TECHNICAL CHARACTERISTICS

	BV2V	BV2K
Sanitary	Material:	S 235 Jr enamelled
	Internal protective processing:	Inorganic alimentary enamelling DIN 4753.3
	External protective processing:	Painting with anti rust and industrial enamel
	Operation (P max. / T max.):	8 bar / 95°C
	Cathodic protection:	Magnesium anode
Exchanger	Material:	Stainless steel or Copper
	Typology:	U tube bundle on removable plate
	Operation (P max. / T max.):	12 bar / 95°C
General characteristics	Capacity:	200 - 2000 Lt
	Warranty:	5 years (<i>sanitary storage</i>), 2 years (<i>removable exchanger</i>)
	Insulation:	- Flexible Polyester + pvc: <i>Fire resistance class B2 (DIN4102)</i>
		- Rigid insulation:
		- up to 2000 Lt in polyurethane + pvc: <i>Fire resistance class B3 (DIN4102)</i> - from 2500 to 5000 Lt polyester (15) + polystyrene (85) + pvc: <i>Fire resistance class B2 (DIN4102)</i>
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
(pag. 152)



Electronic anode with impressed current



Electronic control unit



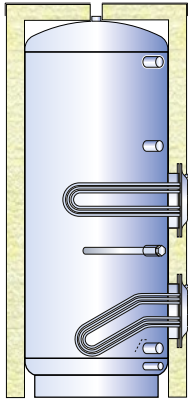
Electrical resistance 1"1/2 connection



Thermostat

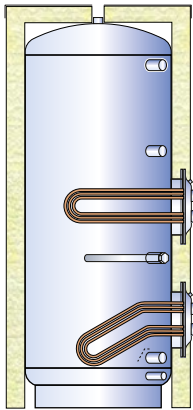


Thermometer



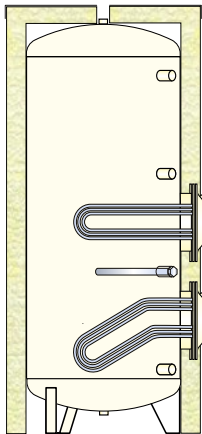
BV2VI - Enamelled boiler with double inox removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid Polyurethane insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
-	-	-	BV2VI 00200 R	50	C	-
-	-	-	BV2VI 00300 R	50	C	-
-	-	-	BV2VI 00500 R	50	C	-
BV2VI 00800 F	D	-	BV2VI 00800 R	100	C	-
BV2VI 01000 F	D	-	BV2VI 01000 R	100	C	-
BV2VI 01500 F	D	-	BV2VI 01500 R	100	C	-
BV2VI 02000 F	E	-	BV2VI 02000 R	100	C	-

Request estimate for the horizontal version



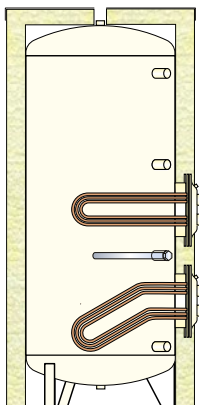
BV2VR - Enamelled boiler with double copper removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid Polyurethane insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
-	-	-	BV2VR 00200 R	50	C	-
-	-	-	BV2VR 00300 R	50	C	-
-	-	-	BV2VR 00500 R	50	C	-
BV2VR 00800 F	D	-	BV2VR 00800 R	100	C	-
BV2VR 01000 F	D	-	BV2VR 01000 R	100	C	-
BV2VR 01500 F	D	-	BV2VR 01500 R	100	C	-
BV2VR 02000 F	E	-	BV2VR 02000 R	100	C	-

Request estimate for the horizontal version



BV2KI - Keramtech boiler with double inox removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
BV2KI 02000 F	E	-	BV2KI 02000 R	100	C	-
BV2KI 02500 F	-	-	BV2KI 02500 R	100	-	-
BV2KI 03000 F	-	-	BV2KI 03000 R	100	-	-
BV2KI 04000 F	-	-	BV2KI 04000 R	100	-	-
BV2KI 05000 F	-	-	BV2KI 05000 R	100	-	-
KDS (Exhaust kit)		-				

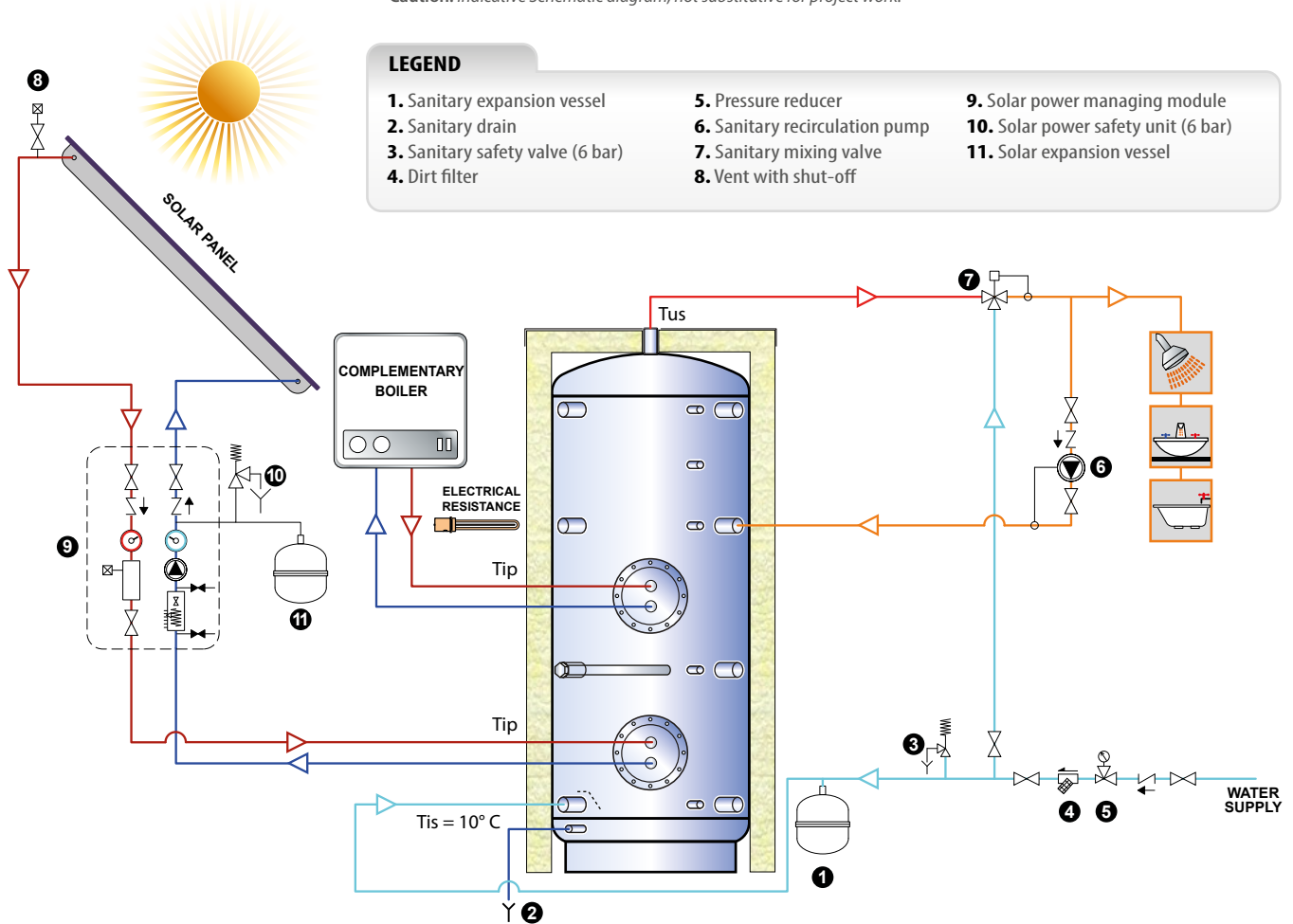
Horizontal version +10%



BV2KR - Keramtech boiler with double copper removable exchanger						
Flexible polyester insul. 100 mm thick + pvc			Rigid insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
BV2KR 02000 F	E	-	BV2KR 02000 R	100	C	-
BV2KR 02500 F	-	-	BV2KR 02500 R	100	-	-
BV2KR 03000 F	-	-	BV2KR 03000 R	100	-	-
BV2KR 04000 F	-	-	BV2KR 04000 R	100	-	-
BV2KR 05000 F	-	-	BV2KR 05000 R	100	-	-
KDS (Exhaust kit)		-				

Horizontal version +10%

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

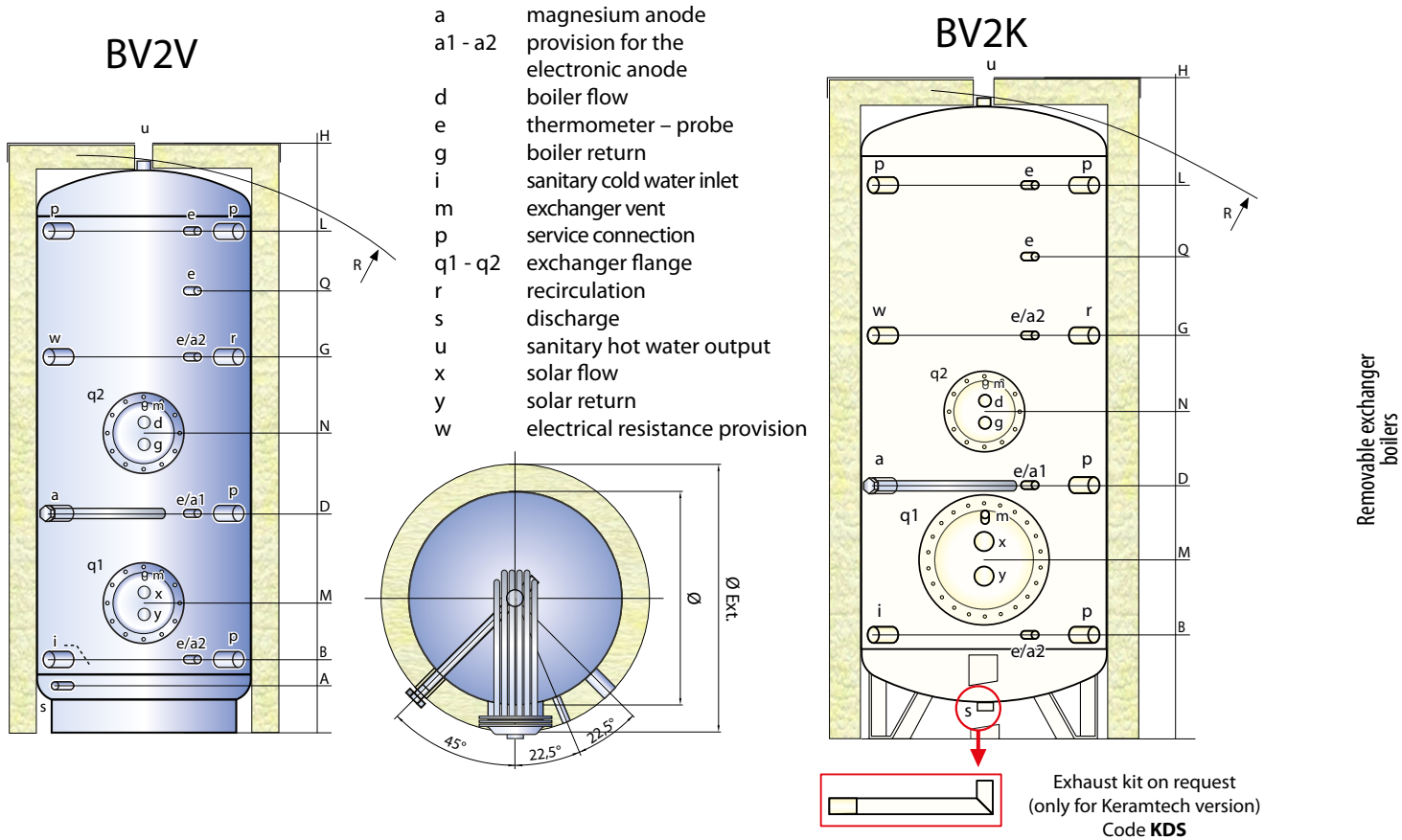


LEGEND

- 1. Sanitary expansion vessel
- 2. Sanitary drain
- 3. Sanitary safety valve (6 bar)
- 4. Dirt filter
- 5. Pressure reducer
- 6. Sanitary recirculation pump
- 7. Sanitary mixing valve
- 8. Vent with shut-off
- 9. Solar power managing module
- 10. Solar power safety unit (6 bar)
- 11. Solar expansion vessel

Model	lower exchanger								upper exchanger								Amount of water in the first 10 min (Lt/10')
	Sq.m. (Lt)	Lt/h (mca)	Tip (°C)	production of Sanitary Hot Water				Sq.m. (Lt)	Lt/h (mca)	Tip (°C)	production of Sanitary Hot Water						
				Tus=45°C		Tus=60°C					Tus=45°C		Tus=60°C				
				Power (kW)	Flow (Lt/h)	Power (kW)	Flow (Lt/h)				Power (kW)	Flow (Lt/h)	Power (kW)	Flow (Lt/h)			
BV2V_00200R	0,5 (2,9)	2000 (0,8)	80	12,3	303	9,9	170	0,5 (2,9)	2000 (3,55)	80	12,3	303	9,9	170	307		
BV2V_00300R	0,75 (3,8)	2000 (0,8)	80	18,2	446	14,5	249	0,75 (3,8)	2000 (0,8)	80	18,2	446	14,5	249	452		
BV2V_00500R	1 (4,7)	3000 (0,7)	80	24,5	601	19,4	334	1 (4,7)	3000 (0,7)	80	24,5	601	19,4	334	735		
BV2V_00800_	1,5 (7,7)	4000 (1,2)	80	36,3	893	28,9	497	1,5 (7,7)	4000 (1,2)	80	36,3	893	28,9	497	1163		
BV2V_01000_	2 (9,5)	5000 (10)	80	48,0	1179	38,6	663	2 (9,5)	5000 (1,0)	80	48,0	1179	38,6	663	1449		
BV2V_01500_	3 (13)	6000 (1,4)	80	71,3	1751	57,0	980	3 (13)	6000 (1,4)	80	71,3	1751	57,0	980	2150		
BV2_02000_	4 (17,2)	7000 (1,3)	80	94,1	2311	74,8	1287	4 (17,2)	7000 (1,3)	80	94,1	2311	74,8	1287	2830		
BV2K_02500_	5 (20,8)	8000 (1,3)	80	116,4	2860	92,8	1596	5 (20,8)	8000 (1,3)	80	116,4	2860	92,8	1596	3485		
BV2K_03000_	5 (20,8)	10000 (1,7)	80	118,8	2918	95,0	1633	5 (20,8)	10000 (1,7)	80	118,8	2918	95,0	1633	4144		
BV2K_04000_	8 (31,4)	12000 (1,7)	80	184,3	4528	148,4	2553	8 (31,4)	12000 (1,7)	80	184,3	4528	148,4	2553	5496		
BV2K_05000_	10 (34,3)	15000 (1,7)	80	230,4	5660	185,5	3191	10 (34,3)	15000 (1,7)	80	230,4	5660	185,5	3191	6786		
			70	182,9	4494	130,7	2247			70	182,9	4494	130,7	2247	6786		

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*	Lower	Upper		
BV2V_00200R	450	1320	550	1440	0,50	0,50	a1 (EPS 375/125)	83
BV2V_00300R	500	1610	600	1730	0,75	0,75	a1 (EPS 375/125)	99
BV2V_00500R	650	1835	750	1835	1,00	1,00	a1 (EPS 375/125)	124
BV2V_00800_	790	1750	990	1745	1,50	1,50	a1 (EPS 375/125)	210
BV2V_01000_	790	2110	990	2095	2,00	2,00	a1 (EPS 375/125)	242
BV2V_01500_	1000	2115	1200	2145	3,00	3,00	a2 (EPS 375/125)	359
BV2V_02000_	1100	2435	1300	2465	4,00	4,00	a2 (EPS 375/125)	496
BV2K_02000_	1100	2435	1300	2465	4,00	4,00	a2 (EPS 375/125)	354
BV2K_02500_	1200	2595	1400	2640	5,00	4,00	a2 (EPS 700/200)	411
BV2K_03000_	1250	2795	1450	2835	5,00	5,00	a2 (EPS 700/200)	449
BV2K_04000_	1400	2925	1600	2995	8,00	8,00	a2 (EPS 700/200)	652
BV2K_05000_	1600	2955	1800	3090	10,00	10,00	a2 (EPS 700/200)	756

* 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	N	Q		a	p	r	d	g	x	y	e	i	u	m	s	w	q1	q2	
BV2V_00200R	110	190	515	890	1075	350	785	975		1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290	220/290							
BV2V_00300R	110	215	595	1080	1350	375	870	1215		1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290	220/290							
BV2V_00500R	135	240	615	1105	1375	445	890	1240		1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290	220/290							
BV2V_00800_	150	275	655	1145	1410	450	970	1280		1"1/4	2"	1/2"	1"1/2	3/8"	1"	1"1/2	300/380	300/380							
BV2V_01000_	150	275	810	1355	1755	455	1045	1555		1"1/4	2"	1/2"	1"1/2	3/8"	1"	1"1/2	300/380	300/380							
BV2V_01500_	235	340	765	1400	1725	520	1080	1250		1"1/4	2"	1/2"	2"	3/8"	1"	1"1/2	300/380	300/380							
BV2V_02000_	265	370	930	1435	1945	575	1180	1565		1"1/4	2"	1/2"	2"	3/8"	1"	1"1/2	350/430	350/430							
BV2K_02000_	-	475	1010	1515	1975	680	1260	1645		1"1/4	2"	1/2"	2"	3/8"	1"1/4	1"1/2	400/480	350/430							
BV2K_02500_	-	505	1040	1600	2105	715	1290	1750		1"1/4	2"	1/2"	2"	3/8"	1"1/4	1"1/2	400/480	350/430							
BV2K_03000_	-	515	1100	1730	2300	700	1415	1880		1"1/4	2"	1/2"	3"	3/8"	1"1/4	1"1/2	400/480	350/430							
BV2K_04000_	-	595	1190	1815	2380	780	1505	1965		1"1/4	2"	1/2"	3"	3/8"	1"1/4	1"1/2	400/480	350/430							
BV2K_05000_	-	600	1185	1815	2385	785	1505	1965		1"1/4	2"	1/2"	3"	3/8"	1"1/4	1"1/2	400/480	350/430							

Removable exchanger boilers