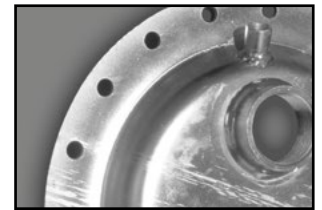
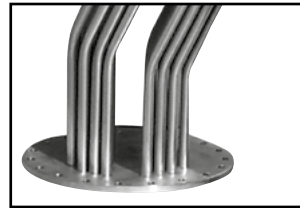


BV1X - Stainless steel AISI 316L boiler with removable heat exchanger

Stainless steel AISI 316L boiler for the production and storage of sanitary hot water. The boiler is equipped with a removable heat exchanger by stainless steel AISI 316L tube bundle.

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



TECHNICAL CHARACTERISTICS

Sanitary	Material:	Stainless steel AISI 316L (1.4404)
	Internal protective processing:	Pickling and passivation
	External protective processing:	Pickling and passivation
	Operation (P max. / T max.):	6 bar / 95°C
	Cathodic protection:	Magnesium anode
Exchanger	Material:	Stainless steel AISI 316L on Inox plate
	Internal protective processing:	Pickling and passivation
	External protective processing:	Pickling and passivation
	Typology:	U tube bundle on removable plate
General characteristics	Operation (P max. / T max.):	12 bar / 95°C
	Capacity:	200 - 5000 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



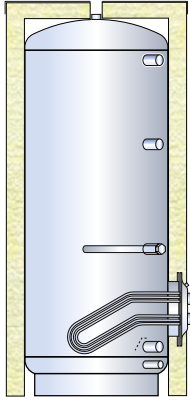
Electrical resistance 1 1/2 connection



Thermostat



Thermometer



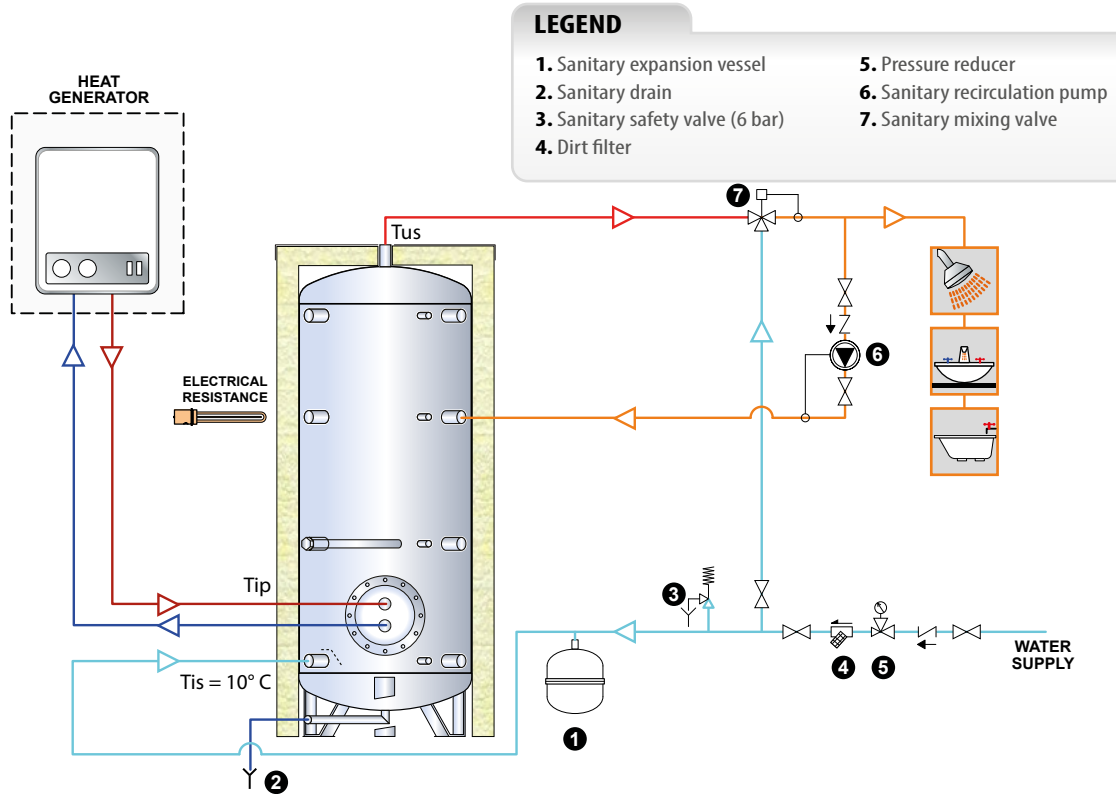
BV1X - Stainless steel AISI 316L boiler with removable heat exchanger

Flexible polyester insul. 100 mm thick + pvc			Rigid insulation + pvc			
Code	ErP	€	Code	Thickness (mm)	ErP	€
-	-	-	BV1X 00200 R	50	C	-
-	-	-	BV1X 00300 R	50	C	-
-	-	-	BV1X 00500 R	50	C	-
BV1X 00800 F	D	-	BV1X 00800 R	100	C	-
BV1X 01000 F	D	-	BV1X 01000 R	100	C	-
BV1X 01500 F	D	-	BV1X 01500 R	100	C	-
BV1X 02000 F	D	-	BV1X 02000 R	100	C	-
BV1X 02500 F	-	-	BV1X 02500 R	100	-	-
BV1X 03000 F	-	-	BV1X 03000 R	100	-	-
BV1X 04000 F	-	-	BV1X 04000 R	100	-	-
BV1X 05000 F	-	-	BV1X 05000 R	100	-	-

Horizontal version +10%

Removable exchanger boilers

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

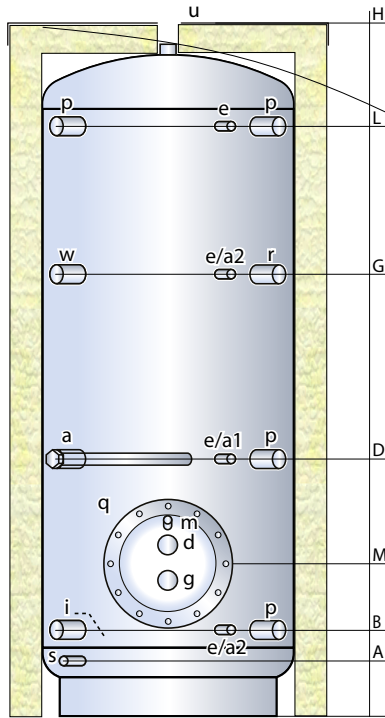


Model	lower exchanger							Amount of water in the first 10 min (Lt/10 ')
	Sq.m. (lt)	Lt/h (mca)	Tip (°C)	production of Sanitary Hot Water				
				Tus=45°C		Tus=60°C		
				Power (kW)	Flow (Lt/h)	Power (kW)	Flow (Lt/h)	
BV1X 00200R	0,5 (2,9)	2000 (0,8)	80	12,3	303	9,9	170	307
			70	9,8	240	6,9	119	299
BV1X 00300R	0,75 (3,8)	2000 (0,8)	80	18,2	446	14,5	249	452
			70	14,4	354	10,2	176	443
BV1X 00500R	1 (4,7)	3000 (0,7)	80	24,5	601	19,4	334	735
			70	19,4	476	13,6	234	723
BV1X 00800_	1,5 (7,7)	4000 (1,2)	80	36,3	893	28,9	497	1163
			70	28,8	708	20,4	352	1147
BV1X 01000_	2 (9,5)	5000 (1,0)	80	48,0	1179	38,6	663	1449
			70	38,4	944	27,1	466	1431
BV1X 01500_	3 (13)	6000 (1,4)	80	71,3	1751	57,0	980	2150
			70	56,5	1389	40,0	689	2126
BV1X 02000_	4 (17,2)	7000 (1,3)	80	94,1	2311	74,8	1287	2830
			70	74,6	1834	53,0	912	2806
BV1X 02500_	5 (20,8)	8000 (1,3)	80	116,4	2860	92,8	1596	3507
			70	92,4	2270	65,8	1132	3484
BV1X 03000_	5 (20,8)	10000 (1,7)	80	118,8	2918	95,0	1633	4144
			70	94,2	2315	66,7	1148	4129
BV1X 04000_	8 (31,4)	12000 (1,7)	80	184,3	4528	148,4	2553	5496
			70	146,3	3595	104,5	1798	5482
BV1X 05000_	10 (34,3)	15000 (1,7)	80	230,4	5660	185,5	3191	6786
			70	182,9	4494	130,7	2247	6786

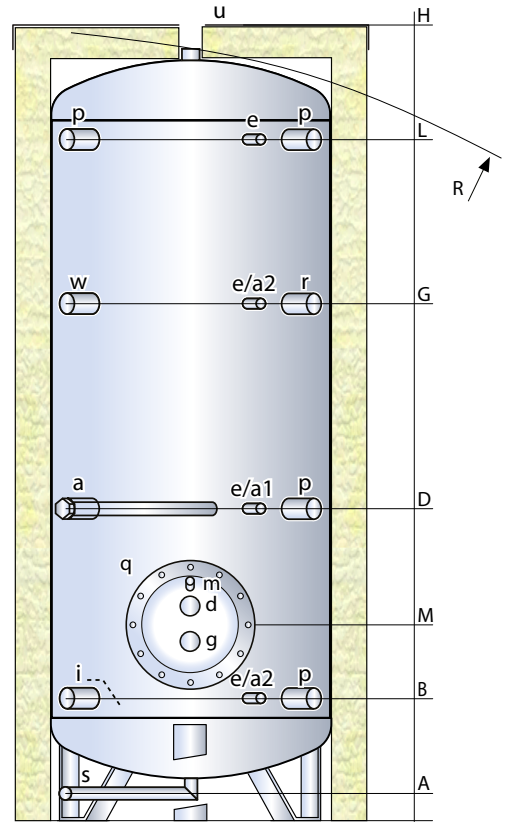
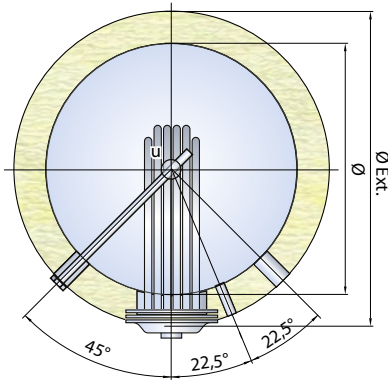
For the purposes of the Directive (ErP) 2009/125/EC Regulation N° 812/2013 and N° 814/2013 the results of the energy measurements are given on page 218

200-1500 Lt

2000-5000 Lt



- a magnesium anode
- a1 - a2 provision for the electronic anode
- d boiler flow
- e thermometer - probe
- g boiler return
- i sanitary cold water inlet
- m exchanger vent
- p service connection
- q exchanger flange
- r recirculation
- s discharge
- u sanitary hot water output
- w electrical resistance provision



Model	Dimensions (mm)				Exchanger (Sq.m.)	Electronic anode (optional)	Weight (Kg)
	Ø	H	Ø Ext **	R*			
BV1X 00200R	450	1305	550	1430	0,50	a1 (EPS 375/125)	60
BV1X 00300R	500	1595	600	1720	0,75	a1 (EPS 375/125)	72
BV1X 00500R	650	1645	750	1820	1,00	a1 (EPS 375/125)	90
BV1X 00800_	790	1750	990	1745	1,50	a1 (EPS 375/125)	138
BV1X 01000_	790	2110	990	2095	2,00	a1 (EPS 375/125)	158
BV1X 01500_	1000	2115	1200	2145	3,00	a2 (EPS 375/125)	226
BV1X 02000_	1100	2435	1300	2465	4,00	a2 (EPS 375/125)	295
BV1X 02500_	1200	2595	1400	2640	5,00	a2 (EPS 700/200)	351
BV1X 03000_	1250	2795	1450	2835	5,00	a2 (EPS 700/200)	379
BV1X 04000_	1400	2925	1600	2995	8,00	a2 (EPS 700/200)	560
BV1X 05000_	1600	2955	1800	3090	10,00	a2 (EPS 700/200)	652

* 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	r	d	g	e	i	u	m	s	w	q
BV1X 00200R	110	190	515	890	1075	350	1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290				
BV1X 00300R	110	215	595	1080	1350	375	1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290				
BV1X 00500R	135	240	615	1105	1375	445	1"1/4	1"	1/2"	1"1/4	3/8"	1"	1"1/2	220/290				
BV1X 00800_	170	275	655	1145	1410	450	1"1/4	2"	1/2"	1"1/2	3/8"	1"	1"1/2	300/380				
BV1X 01000_	170	275	810	1355	1755	455	1"1/4	2"	1/2"	1"1/2	3/8"	1"	1"1/2	300/380				
BV1X 01500_	235	340	765	1400	1725	520	1"1/4	2"	1/2"	2"	3/8"	1"	1"1/2	300/380				
BV1X 02000_	100	475	1010	1515	1975	655	1"1/4	2"	1/2"	2"	3/8"	1"	1"1/2	350/430				
BV1X 02500_	100	505	1040	1600	2105	690	1"1/4	2"	1/2"	2"	3/8"	1"	1"1/2	350/430				
BV1X 03000_	90	515	1100	1730	2300	675	1"1/4	2"	1/2"	3"	3/8"	1"	1"1/2	350/430				
BV1X 04000_	120	595	1190	1185	2380	755	1"1/4	2"	1/2"	3"	3/8"	1"	1"1/2	350/430				
BV1X 05000_	100	600	1185	1185	2385	825	1"1/4	2"	1/2"	3"	3/8"	1"	1"1/2	350/430				