



## BV1X - AISI 316L Stainless steel calorifier with removable heat exchanger

AISI 316L Stainless steel calorifier designed for the production and storage of domestic hot water (DHW). The tank is equipped with an AISI 316L stainless steel U tube bundle removable heat exchanger. The heat exchanger

is bent down in order to avoid the growth of bacteria in the coldest part of the cylinder. Cylinders are also prepared to host a backup immersion heater (not supplied).

HEAT SOURCE



APPLICATION



### TECHNICAL FEATURES

DHW cylinder

Heat exchanger

General features

<b>Material</b>	AISI 316L Stainless steel (1.4404)
<b>Internal protective treatment</b>	Pickling and passivation
<b>External protective treatment</b>	Pickling and passivation
<b>Rating (P max. / T max.)</b>	6 bar / 95°C
<b>Cathodic protection</b>	Magnesium anode
<b>Material</b>	AISI 316L Stainless steel (1.4404) over a stainless steel plate
<b>Internal protective treatment</b>	Pickling and passivation
<b>External protective treatment</b>	Pickling and passivation
<b>Type</b>	U tube bundle expanded over a removable plate
<b>Rating (P max. / T max.)</b>	10 bar / 95°C
<b>Capacity</b>	200 - 5000 L
<b>Warranty</b>	5 years (DHW cylinder) - 2 years (heat exchanger)
<b>Insulation</b>	- Soft insulation with polyester + PVC: Fire retardant class B2 (DIN 4102) - Hard insulation: - up to 2000 L with polyurethane foam + PVC: Fire retardant class B3 (DIN 4102) - from 2500 to 5000 L with polyester (15 mm) + polystyrene (85 mm) + PVC: Fire retardant class B2 (DIN 4102)
<b>In compliance with</b>	- Pressure Equipment Directive (PED) 2014/68/UE Art. 4 Para 3 - Italian MOH specifications (products suitable to contain potable water) - Energy related Products (Erp) Directive 2009/125/CE

### ACCESSORIES (page 218)



Impressed current electronic anode



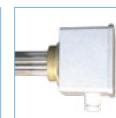
Electronic control unit



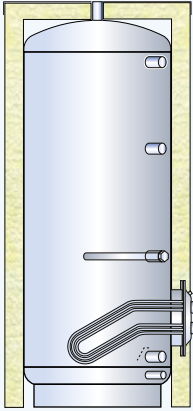
Thermostat



Thermometer



1 1/2 electric immersion heater



### Hard insulation and PVC jacket

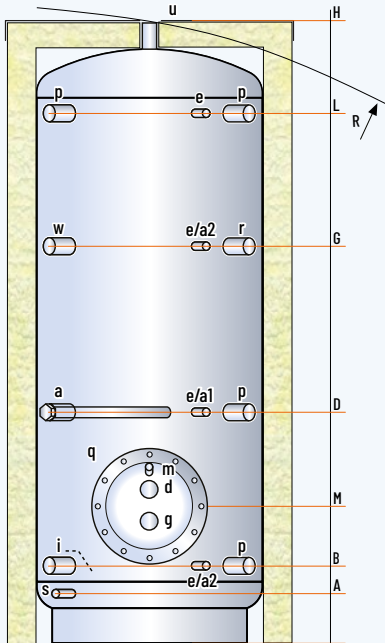
CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	HEAT EXCHANGER (m <sup>2</sup> ) / (L) *
BVIX 00200 R	50	C	62,2	191,2	0,50 / 2,6
BVIX 00300 R	50	C	73,7	291,7	0,75 / 4,3
BVIX 00500 R	50	C	86,1	501,7	1,00 / 6,1
BVIX 00800 R	100	C	113,8	754,9	1,50 / 6,6
BVIX 01000 R	100	C	117,6	936,6	2,00 / 10,4
BVIX 01500 R	100	C	136,7	1478,0	3,00 / 15,7
BVIX 02000 R	100	C	149,2	1958,6	4,00 / 21,7
BVIX 02500 R	100	-	-	2502,1	5,00 / 27,4
BVIX 03000 R	100	-	-	2966,1	6,00 / 33,1
BVIX 04000 R	100	-	-	3903,0	8,00 / 42,9
BVIX 05000 R	100	-	-	5013,8	10,00 / 51,5

### Soft insulation with polyester and PVC jacket

CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	HEAT EXCHANGER (m <sup>2</sup> ) / (L) *
BVIX 00800 F	130	C	132,6	754,9	1,50 / 6,6
BVIX 01000 F	130	C	143,9	936,6	2,00 / 10,4
BVIX 01500 F	130	C	169,2	1478,0	3,00 / 15,7
BVIX 02000 F	130	C	184,6	1958,6	4,00 / 21,7
BVIX 02500 F	100	-	-	2502,1	5,00 / 27,4
BVIX 03000 F	100	-	-	2966,1	6,00 / 33,1
BVIX 04000 F	100	-	-	3903,0	8,00 / 42,9
BVIX 05000 F	100	-	-	5013,8	10,00 / 51,5

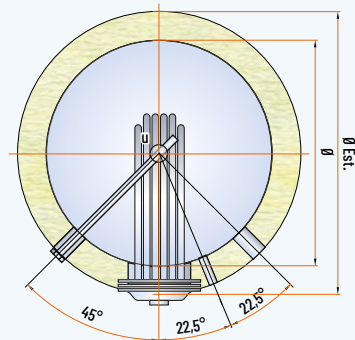
\* Volume occupied by the heat exchanger and its support structure

### 200-1500 L

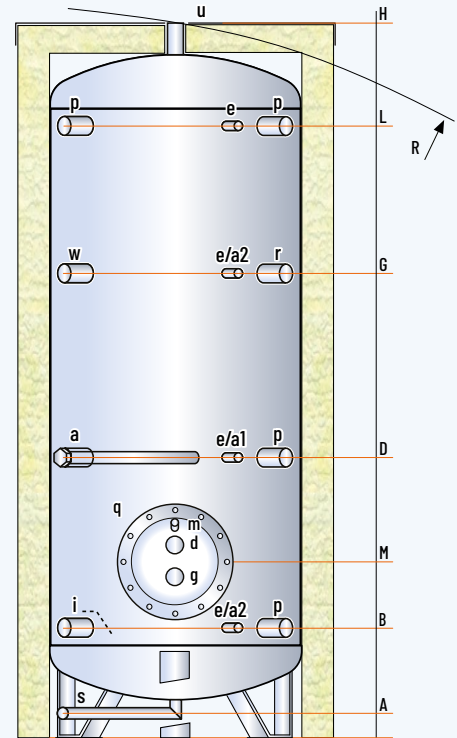


### LEGEND

- a . Magnesium anode
- a1-a2. Opening for electronic anode
- d . Boiler flow
- e . Thermometer - Sensor
- g . Boiler return
- i . Domestic cold water inlet
- m . Heat exchanger vent
- p . Free connection
- q . Heat exchanger flange
- r . Recirculation
- s . Drain
- u . Domestic hot water outlet
- w . Opening for immersion heater



### 2000-5000 L



MODEL	DIMENSIONS (mm)		Ø EXT ** (Hard/Soft ins.)		HEAT EXCHANGER	Electronic anode (optional)	WEIGHT (kg)
	Ø	H		R *	(m <sup>2</sup> )		
BVIX 00200 R	450	1305	550	1430	0,50	a1 (EPS 375/125)	60
BVIX 00300 R	500	1595	600	1720	0,75	a1 (EPS 375/125)	72
BVIX 00500 R	650	1645	750	1820	1,00	a1 (EPS 375/125)	90
BVIX 00800_	790	1750	990/1050	1745	1,50	a1 (EPS 375/125)	138
BVIX 01000_	790	2110	990/1050	2095	2,00	a1 (EPS 375/125)	158
BVIX 01500_	1000	2115	1200/1260	2145	3,00	a2 (EPS 375/125)	226
BVIX 02000_	1100	2465	1300/1360	2465	4,00	a2 (EPS 375/125)	295
BVIX 02500_	1200	2595	1400	2640	5,00	a2 (EPS 700/200)	351
BVIX 03000_	1250	2795	1450	2835	6,00	a2 (EPS 700/200)	395
BVIX 04000_	1400	2925	1600	2995	8,00	a2 (EPS 700/200)	560
BVIX 05000_	1600	2955	1800	3090	10,00	a2 (EPS 700/200)	652

\* For capacities from 200 to 500 litres, the tilt height refers to the insulated cylinder

\*\* The insulation is removable except for models from 200 to 500 litres

MODEL	HEIGHTS (mm)						CONNECTIONS (GAS)											
	A	B	D	G	L	M	a	p	r	d	g	e	i	u	m	s	w	q
BVIX 00200 R	110	190	515	890	1075	350	1"¼	1"	½"	1"¼	¾"	1"	1"½	220/290				
BVIX 00300 R	110	215	595	1080	1350	375	1"¼	1"	½"	1"¼	¾"	1"	1"½	220/290				
BVIX 00500 R	135	240	615	1105	1375	445	1"¼	1"	½"	1"¼	¾"	1"	1"½	220/290				
BVIX 00800_	170	275	655	1145	1410	450	1"¼	2"	½"	1"½	¾"	1"	1"½	300/380				
BVIX 01000_	170	275	810	1355	1755	455	1"¼	2"	½"	1"½	¾"	1"	1"½	300/380				
BVIX 01500_	235	340	765	1400	1725	520	1"¼	2"	½"	2"	¾"	1"	1"½	300/380				
BVIX 02000_	100	475	1010	1515	1975	655	1"¼	2"	½"	2"	¾"	1"	1"½	350/430				
BVIX 02500_	100	505	1040	1600	2105	690	1"¼	2"	½"	2"	¾"	1"	1"½	350/430				
BVIX 03000_	90	515	1100	1730	2300	675	1"¼	2"	½"	3"	¾"	1"	1"½	350/430				
BVIX 04000_	120	595	1190	1185	2380	755	1"¼	2"	½"	3"	¾"	1"	1"½	350/430				
BVIX 05000_	100	600	1185	1185	2385	825	1"¼	2"	½"	3"	¾"	1"	1"½	350/430				