

BVS

WATER HEATERS WITH REMOVABLE EXCHANGER SmaltoPLAST® // RIGID INSULATION



LITRES			HEAT UP TIME(1) 1 HOUR					
	COPPER	STAINLESS STEEL	HEAT OUTPUT kW	DHW PRODUCTION (2)			Δp(3) mH ₂ O	WEIGHT kg
	CODE	CODE		l/h	l/10'	l/60'		
200	BVSR 0200 P	BVSX 0200 P	12	300	278	528	0,32	60
300	BVSR 0300 P	BVSX 0300 P	18	450	418	793	0,48	70
500	BVSR 0500 P	BVSX 0500 P	24	600	671	1171	0,64	105
750	BVSR 0750 P	BVSX 0750 P	36	900	1007	1757	1,80	130
1000	BVSR 1000 P	BVSX 1000 P	48	1200	1343	2343	2,60	170
1500	BVSR 1500 P	BVSX 1500 P	73	1800	2014	3514	4,50	250
2000	BVSR 2000 P	BVSX 2000 P	97	2400	2686	4686	6,30	295

HORIZONTAL FLEXIBLE INSULATION (PUF50): code BOSR, BOSX.

USE

Water heater for production and storage of Domestic Hot Water (DHW).
Working temperature: max 80°C.
Working pressure: max 8 bar.

- (1) Rated time to heat domestic water 10-60°C
(2) DHW production 10-45°C with primary 80-70°C and storage at 60°C: continuous (l/h); first 10 minutes peak (l/10'); first hour peak (l/60')
(3) Exchanger head loss.

ANTICORROSIVE COATING

SmaltoPLAST®: thermoplastic coating suitable for contact with potable water; grey colour RAL 7038.

80 °C	8 bar	120 °C	3 years	Art. 3.3 Dir. n. 97/23/EEC
WATER HEATERS		GASKETS	WARRANTY	PED

EXCHANGER

U-tube bundle expanded on plate, suitable for contact with potable water.
-Copper tubes Cu-DHP (99,9%).
-Stainless Steel tubes AISI 316L.
Working temperature: max 99°C.
Working pressure: max 12 bar.

GASKETS

EPDM food-grade dielectric rubber gaskets code GGE.

INSULATION

VERTICAL VERSION:
Hard polyurethane, thickness 30mm (PUR30).
HORIZONTAL VERSION:
Soft polyurethane, thickness 50mm (PUF50).

EXTERNAL JACKET

SCAI grey colour RAL 7038.

CATHODIC PROTECTION



Magnesium Anodes (AMS) made of special alloy AZ 63, to be periodically replaced.

ACCESSORIES ON REQUEST (page 28)



Electronic impressed-current anode of titanium for PERMANENT CATHODIC PROTECTION.

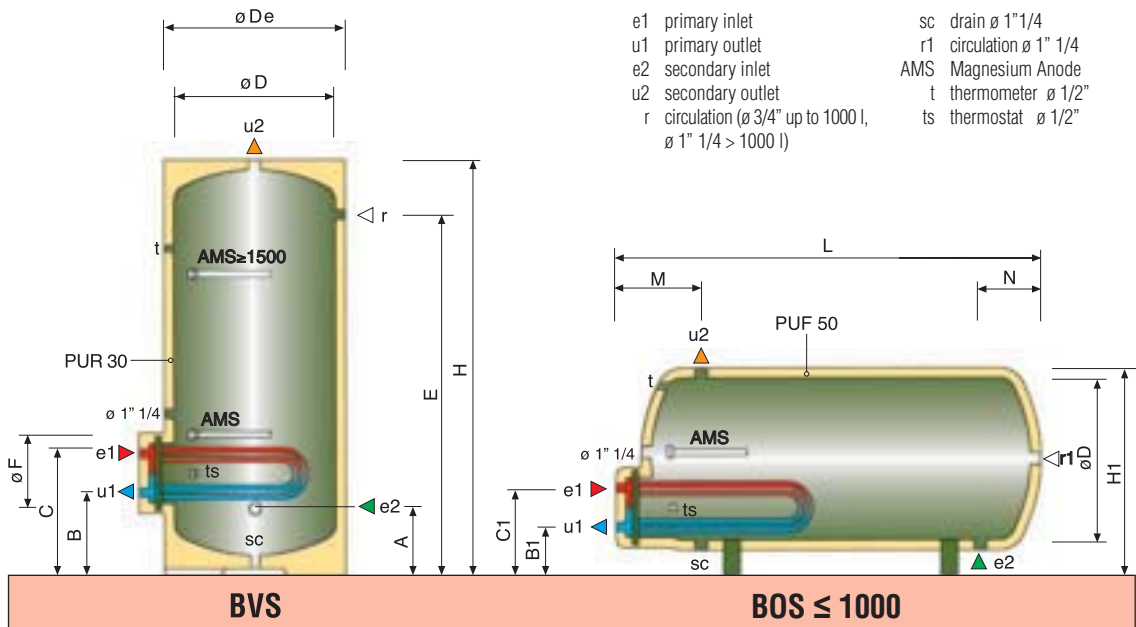
PACKING

Polythen bubble sheet.

ANTICORROSION WARRANTY

3 years.

LITRES	DIMENSIONS mm														Ø CONNS.		ANODES TYPE
	A	B	B1	C	C1	Ø D	Ø De	E	Ø F	H	H1	L	M	N	e1-u1	e2-u2	
200	295	320	230	450	360	450	520	1195	300	1380	620	1400	330	185	1" 1/4	1" 1/4	AMS 1
300	325	350	225	480	355	550	620	1215	300	1410	715	1450	350	205	1" 1/4	1" 1/4	AMS 1
500	345	370	235	500	365	650	720	1485	300	1710	825	1760	385	240	1" 1/4	1" 1/4	AMS 4
750	370	395	220	525	350	750	820	1610	300	1855	910	1900	405	260	1" 1/4	1" 1/2	AMS 4
1000	375	438	218	562	342	800	870	1915	300	2170	955	2205	420	270	1" 1/4	1" 1/2	AMS 4
1500	435	484	--	666	--	950	1020	2055	380	2400	--	--	--	--	1" 1/2	2"	2 x AMS 4
2000	450	500	--	682	--	1100	1170	2070	380	2450	--	--	--	--	1" 1/2	2"	2 x AMS 4



WATER HEATERS WITH REMOVABLE EXCHANGER
SmaltoPLAST® // FLEXIBLE INSULATION

BVS

LITRES	COPPER CODICE	STAINLESS STEEL CODICE	HEAT UP TIME(1) 1 HOUR					
			HEAT OUTPUT kW	DHW PRODUCTION (2)			Δp(3) m H ₂ O	WEIGHT kg
				l/h	l/10'	l/60'		
1500	BVSR 1500	BVSX 1500	73	1800	2014	3514	4,50	230
2000	BVSR 2000	BVSX 2000	97	2400	2686	4686	6,30	270
2500	BVSR 2500	BVSX 2500	122	3000	3357	5857	8,30	306
3000	BVSR 3000	BVSX 3000	146	3600	4029	7029	10,00	345
4000	BVSR 4000	BVSX 4000	195	4800	5371	9371	5,50	470
5000	BVSR 5000	BVSX 5000	244	6000	6714	11724	9,30	550

HORIZONTAL version: codes BOSR BOSX



- (1) Rated time to heat domestic water 10=60°C
- (2) DHW production 10=45°C with primary 80=70°C and storage at 60°C: continuous (l/h); first 10 minutes peak (l/10'); first hour peak (l/60')
- (3) Exchanger head loss.

80 °C	6 bar	120 °C	3 years	Art. 3.3 Dir. n. 97/23/EEC
WATER HEATERS		GASKETS	WARRANTY	PED

USE
 Water heater for production and storage of Domestic Hot Water (DHW).
 Working temperature: max 80°C.
 Working pressure: max 8 bar.

ANTICORROSIVE COATING
SmaltoPLAST®: thermoplastic coating suitable for contact with potable water; grey colour RAL 7038.

EXCHANGER
 U-tube bundle expanded on plate suitable for contact with potable water.
 -Copper tubes Cu-DHP (99,9%).
 -Stainless Steel tubes AISI 316L.
 Working temperature: max 99°C.
 Working pressure: max 12 bar.

GASKETS
 EPDM food-grade dielectric rubber gaskets code GGE.

INSULATION
 Soft polyurethane thickness 50mm (PUF50).

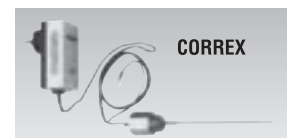
EXTERNAL JACKET
 SCAI grey colour RAL 7038.

CATHODIC PROTECTION



Magnesium Anodes (AMS) made of special alloy AZ 63, to be periodically replaced.

ACCESSORIES ON REQUEST (page 28)

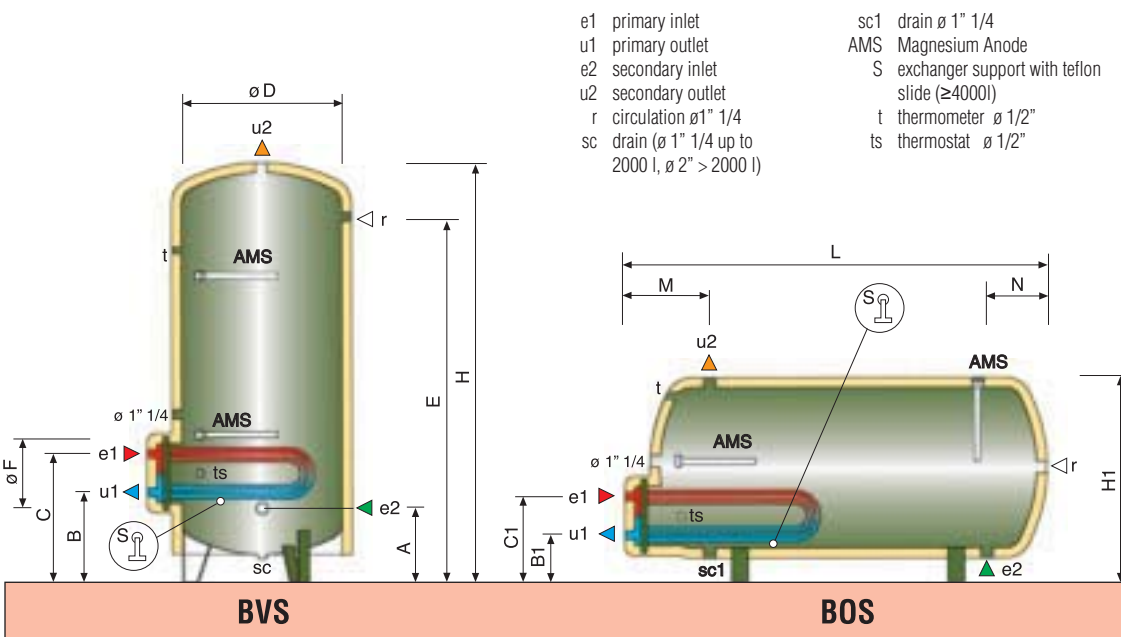


Electronic impressed-current anode of titanium for PERMANENT CATHODIC PROTECTION.

PACKING
 Polythen bubble sheet.

ANTICORROSION WARRANTY
 3 years.

LITRES	DIMENSIONS mm													Ø CONNS.		ANODES TYPE
	A	B	B1	C	C1	Ø D	E	Ø F	H	H1	L	M	N	e1-u1	e2-u2	
1500	435	484	274	666	456	950	2055	380	2400	1155	2380	465	315	1" 1/2	2"	2 x AMS 4
2000	450	500	254	682	436	1100	2070	380	2450	1285	2450	500	350	1" 1/2	2"	2 x AMS 4
2500	510	560	244	742	426	1200	2180	380	2540	1375	2560	530	380	1" 1/2	2"	2 x AMS 4
3000	520	570	229	752	411	1300	2190	380	2570	1460	2600	550	400	1" 1/2	2"	2 x AMS 8
4000	570	625	295	845	515	1400	2440	430	2870	1565	2910	625	440	2"	2" 1/2	2 x AMS 8
5000	580	635	330	855	550	1600	2450	430	2920	1780	2970	655	470	2"	2" 1/2	2 x AMS 8



BVX

WATER HEATERS WITH REMOVABLE EXCHANGER AISI 316L



USE

Water heater for production and storage of Domestic Hot Water (DHW).
Working temperature: max 80°C.
Working pressure: max 8 bar.

MATERIAL

Austenitic stainless steel AISI 316L 1,4404 EN 10088-2 suitable for contact with potable water.

EXCHANGER

U-tube bundle expanded on plate suitable for contact with potable water.
-Stainless Steel tubes and plate in AISI 316L.
Working temperature: max 99°C.
Working pressure: max 12 bar.

GASKETS

EPDM food-grade dielectric rubber gaskets code GGE.

INSULATION

VERTICAL VERSION ≤ 1000 l
Hard polyurethane, thickness 30mm (PUR30).
VERTICAL VERSION ≥ 1500 l
Soft polyurethane, thickness 50mm (PUF50).

EXTERNAL JACKET

SCAI grey colour RAL 7038.

CATHODIC PROTECTION



Electronic impressed-current anode of titanium for permanent cathodic protection; not subject to consumption, CORREX is particularly ideal for protection of storage tanks and water heaters (also if already installed) that must operate under particularly aggressive physical and chemical water conditions.

PACKING

Polythen bubble sheet.

ANTICORROSION WARRANTY

3 years.

LITRES	STAINLESS STEEL CODE	HEAT OUTPUT kW	HEAT UP TIME(1) 1 HOUR			Δp(3) m H ₂ O	WEIGHT kg
			DHW PRODUCTION (2)				
			l/h	l/10'	l/60'		
300	BVXX 0300 P	18	450	418	793	0,48	65
500	BVXX 0500 P	24	600	671	1171	0,64	103
750	BVXX 0750 P	36	900	1007	1757	1,80	128
1000	BVXX 1000 P	48	1200	1343	2343	2,60	135
1500	BVXX 1500	73	1800	2014	3514	4,50	220
2000	BVXX 2000	97	2400	2686	4686	6,30	250
2500	BVXX 2500	122	3000	3357	5857	8,30	290
3000	BVXX 3000	146	3600	4029	7029	10,00	320
4000	BVXX 4000	195	4800	5371	9371	5,50	475
5000	BVXX 5000	244	6000	6714	11714	9,30	550

Indicative prices and availability are to be confirmed before the order.

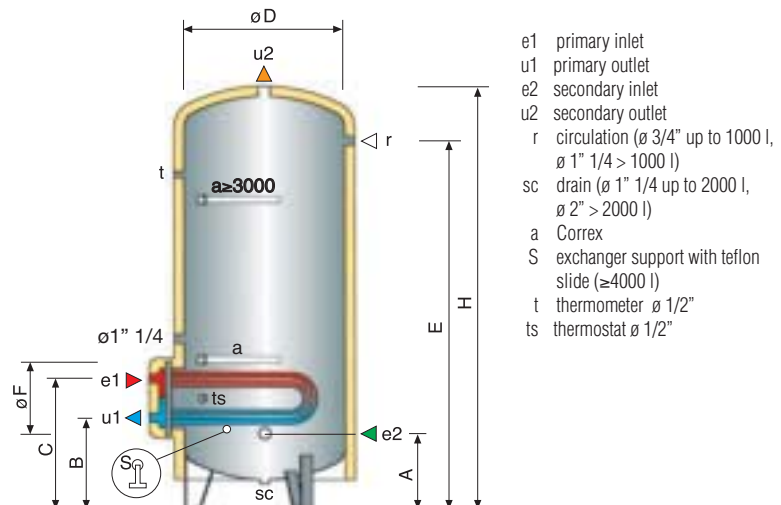
(1) Rated time to heat domestic water 10-60°C

(2) DHW production 10-45°C with primary 80-70°C and storage at 60°C: continuous (l/h); first 10 minutes peak (l/10'); first hour peak (l/60')

(3) Exchanger head loss.

80 °C	8 bar	120 °C	3 years	Art. 3.3 Dir. n. 97/23/EEC
WATER HEATERS		GASKETS	WARRANTY	PED

LITRES	DIMENSIONS mm						Ø CONNS.		ANODES TYPE
	A	B	C	Ø D	E	H	e1-u1	e2-u2	
300	350	375	505	550	1240	1500	1"1/4	1"1/4	TT
500	385	410	540	650	1525	1800	1"1/4	1"1/4	TT
750	405	420	550	800	1545	1870	1"1/4	1"1/2	TT
1000	405	420	550	800	1795	2120	1"1/4	1"1/2	TT
1500	480	530	710	950	2100	2480	1"1/4	1"1/2	TT1
2000	510	560	740	1100	2130	2540	1"1/2	2"	TT1
2500	560	610	790	1250	2130	2590	1"1/2	2"	TT1
3000	560	610	790	1250	2430	2890	1"1/2	2"	TT2
4000	570	625	845	1400	2440	2870	2"	2"1/2	TT2
5000	580	635	855	1600	2450	2920	2"	2"1/2	TT2



**WATER HEATERS WITH REMOVABLE EXCHANGER
GALVANIZED // FLEXIBLE INSULATION**

BVZ-C

LITRES	COPPER CODE	GALVANIZED CODE	HEAT UP TIME(1) 1 HOUR					
			HEAT OUTPUT kW	DHW PRODUCTION (2)			$\Delta p(3)$ mH ₂ O	WEIGHT kg
				l/h	l/10'	l/60'		
300	BVZR 0300 C	BVZZ 0300 C	18	450	418	793	0,48	70
500	BVZR 0500 C	BVZZ 0500 C	24	600	671	1171	0,64	105
750	BVZR 0750 C	BVZZ 0750 C	36	900	1007	1757	1,80	135
1000	BVZR 1000 C	BVZZ 1000 C	48	1200	1343	2343	2,60	160
1500	BVZR 1500 C	BVZZ 1500 C	73	1800	2014	3514	4,50	250
2000	BVZR 2000 C	BVZZ 2000 C	97	2400	2686	4686	6,30	295
2500	BVZR 2500 C	BVZZ 2500 C	122	3000	3357	5857	8,30	330
3000	BVZR 3000 C	BVZZ 3000 C	146	3600	4029	7029	10,00	370
4000	BVZR 4000 C	BVZZ 4000 C	195	4800	5371	9371	5,50	510
5000	BVZR 5000 C	BVZZ 5000 C	244	6000	6714	11714	9,30	595

HORIZONTAL version: codes BOZR-C BOZX-C

(1) Rated time to heat domestic water 10÷60°C

(2) DHW production 10÷45°C with primary 80÷70°C and storage at 60°C: continuous (l/h); first 10 minutes peak (l/10'); first hour peak (l/60')

(3) Exchanger head loss.

60 °C	6 bar	120 °C	3 years	Art. 3.3 Dir. n. 97/23/EEC
WATER HEATERS		GASKETS	WARRANTY	PED



USE

Water heater for production and storage of Domestic Hot Water (DHW). Working temperature: max 60°C. Working pressure: max 6 bar.

ANTICORROSIVE COATING

HOT GALVANIZATION suitable for contact with potable water according to UNI EN ISO 1461 standards.

EXCHANGER

U-tube bundle expanded on plate, suitable for contact with potable water.
-Copper tubes Cu-DHP (99,9%).
-Galvanized tubes.
Working temperature: max 99°C.
Working pressure: max 12 bar.

GASKETS

EPDM food-grade dielectric rubber gaskets code GGE.

INSULATION

Soft polyurethane, thickness 50mm (PUF50).

EXTERNAL JACKET

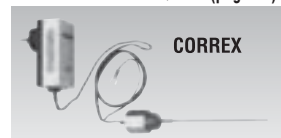
SCAI grey colour RAL 7038.

CATHODIC PROTECTION



Magnesium Anodes (AMS) made of special alloy AZ 63, to be periodically replaced.

ACCESSORIES ON REQUEST (page 28)



Electronic impressed-current anode of titanium for PERMANENT CATHODIC PROTECTION.

PACKING

Polythen bubble sheet.

ANTICORROSION WARRANTY

3 years.

LITRES	DIMENSIONS mm													Ø CONNS.		ANODES TYPE
	A	B	B1	C	C1	Ø D	E	Ø F	H	H1	L	M	N	e1-u1	e2-u2	
300	325	350	225	480	355	550	1215	300	1410	715	1450	350	205	1" 1/4	1" 1/4	AMS 1
500	345	370	235	500	365	650	1485	300	1710	825	1760	385	240	1" 1/4	1" 1/4	AMS 4
750	370	395	220	525	350	750	1610	300	1855	910	1900	405	260	1" 1/4	1" 1/2	AMS 4
1000	375	438	218	562	342	800	1915	300	2170	955	2205	420	270	1" 1/4	1" 1/2	AMS 4
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2000	450	500	254	682	436	1100	2070	380	2450	1285	2450	500	350	1" 1/2	2"	2 x AMS 4
2500	510	560	244	742	426	1200	2180	380	2540	1375	2560	530	380	1" 1/2	2"	2 x AMS 4
3000	520	570	229	752	411	1300	2190	380	2570	1460	2600	550	400	1" 1/2	2"	2 x AMS 8
4000	570	625	295	845	515	1400	2440	430	2870	1565	2910	625	440	2"	2" 1/2	2 x AMS 8
5000	580	635	330	855	550	1600	2450	430	2920	1780	2970	655	470	2"	2" 1/2	2 x AMS 8

