



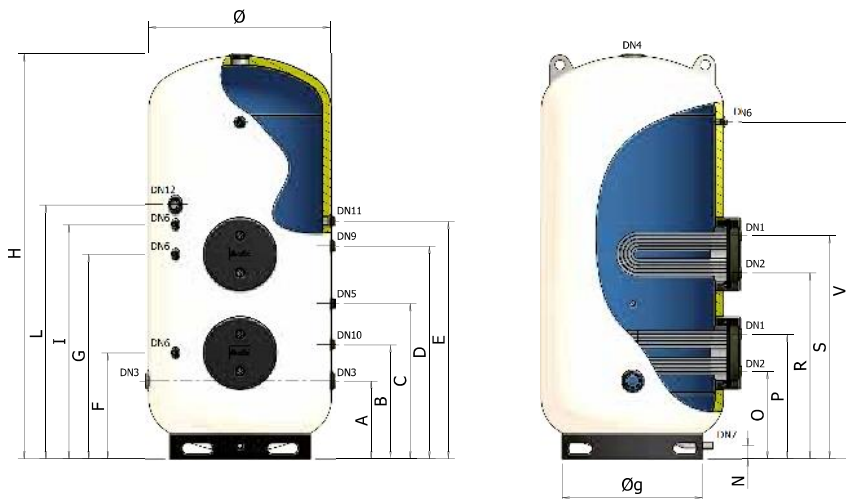
BF2

GLASSLINED CYLINDERS

WITH TWO REMOVABLE STAINLESS STEEL HEAT EXCHANGERS (1.500 - 5.000 LITRES)



BF2 1500 - 2000 - 3000 - 5000



KEYWORD

DN1: Primary fluid inlet (heating side); **DN2:** Primary fluid outlet (heating side); **DN5:** Sanitary cold water inlet; **DN6:** Sanitary hot water outlet; **DN7:** Magnesium anode; **DN8:** Probes (Thermometer, Thermostat); **DN9:** Tank drain; **DN11:** Recirculation.

- CYLINDER
- FOR SANITARY HOT WATER
- SUITABLE FOR SOLAR SYSTEMS
- MAGNESIUM ANODE
- INTERNAL GLASSLINING ANTI-CORROSION TREATMENT
- POLYURETHANE INSULATION
- HEAT EXCHANGER IN STAINLESS STEEL AISI 304
- HANDLING BY FORKLIFT
- + 95°C WORKING TEMPERATURE
- +110°C HEAT EXCHANGER MAX TEMPERATURE
- P_{MAX} 6 bar MAX WORKING PRESSURE
- P_{SECA} 12 bar HEAT EXCHANGER MAX PRESSURE

WARRANTY: 5 YEARS

REFERENCE STANDARDS

CYLINDER:
Directive PED 97/23/EC – ART. 3.3, without CE marking
Standard EN 12897:2006

INTERNAL GLASSLINING:

DIN 4753
The glasslining treatment makes the cylinder suitable to contain hot water for sanitary and hygienic use and resistant to corrosive phenomena.

INSULATION:

Expanded, flexible polyurethane with open cells.

HEAT EXCHANGER:

Removable U pipe stainless steel heat exchanger.

INSTALLATION:

- traditional boilers (wall-hung and/or floor-standing)
- condensing boilers
- solar thermal systems

MODEL	CODE	EXCHANGER							NOTES
		LOWER		CENTRAL			mm	mm	
		LITRES	m ²	LITRES	m ²	LITRES			
BF-2 / 1500	A370H67 VW050	1500	4,00	18	3,00	15	1100	2465	
BF-2 / 2000	A370H70 VW050	2000	4,00	18	4,00	18	1200	2445	
BF-2 / 3000	A370H74 VW050	3000	6,00	24	6,00	24	1350	2840	
BF-2 / 5000	A370H80 VW050	5000	10,00	39	10,00	39	1700	3045	

MODEL	ANODE ø x ø conn. x L	DN 1	DN 2	DN 3	DN 4	DN 5	DN 6	DN 7	DN 8	DN 9	DN 10	DN 11	DN 12
		BF-2 / 1500	32 x 1.1/4" x 670	1.1/2"	1.1/2"	2.1/2"	3"	1.1/4"	1/2"	1"	-	1.1/2"	1.1/4"
BF-2 / 2000	32 x 1.1/4" x 670	1.1/2"	1.1/2"	2.1/2"	3"	1.1/4"	1/2"	1"	-	1.1/2"	1.1/4"	1.1/4"	2"
BF-2 / 3000	32 x 1.1/4" x 700	1.1/2"	1.1/2"	3"	3"	1.1/2"	1/2"	1"	-	1.1/2"	1.1/4"	1.1/4"	2"
BF-2 / 5000	40 x 1.1/2" x 640	1.1/2"	1.1/2"	3"	3"	1.1/2"	1/2"	1"	-	1.1/2"	1.1/4"	1.1/4"	2"

MODEL	A mm	B mm	C mm	D mm	E mm	F mm	G mm	I mm	L mm	M mm	N mm	O mm	P mm	Q mm	R mm	S mm	T mm	U mm	V mm
BF-2 / 1500	475	695	945	1295	1445	645	1245	1425	1545	-	80	530	755	-	1130	1355	-	-	2045
BF-2 / 2000	465	685	935	1285	1435	635	1235	1415	1535	-	80	520	745	-	1120	1345	-	-	2035
BF-2 / 3000	530	730	980	1480	1630	680	1280	1520	1730	-	80	565	790	-	1165	1390	-	-	2380
BF-2 / 5000	635	835	1085	1585	1735	785	1385	1625	1835	-	80	670	895	-	1270	1495	-	-	2485



TECHNICAL CHARACTERISTICS

HEAT EXCHANGER	CODE	MAXIMUM WORKING PRESSURE / MAXIMUM WORKING TEMPERATURE		PRESSURE DROP OF HEAT EXCHANGERS
		HOT WATER 12 BAR / 110 °C	SATURATED STEAM 2 BAR / 134 °C	
3,0 m ²	2950300 V0010	•	•	200 mbar
4,0 m ²	2950400 V0010	•	•	220 mbar
6,0 m ²	2960600 V0010	•	•	350 mbar
10,0 m ²	2964000 V0010	•	•	400 mbar

N.B. If using the heat exchanger with temperatures over 100 °C, ask for steam seals

MODEL	INSULATION TYPE	INSULATION THICKNESS	INSULATION DENSITY	INITIAL THERMAL CONDUCTIVITY	(*) INSULATION THERMAL LOSS	EXTERNAL FINISH
BF-2 / 1500	Flexible, expanded polyurethane with open cells	50 mm	15 kg/m ³	39 mW/m K	6,53 kWh / 24h	Skay white RAL 9001
BF-2 / 2000					7,15 kWh / 24h	
BF-2 / 3000					9,18 kWh / 24h	
BF-2 / 5000					12,27 kWh / 24h	

(*) Thermal loss calculated with an accumulation temperature equal to 60 °C and with an external temperature equal to 15 °C.

SAFETY DEVICES

The cylinders must be protected against the effects of over pressure by installing:

- A **SAFETY VALVE** calibrated to pressure below the max pressure of the cylinder
- A **SANITARY EXPANSION TANK** mod. ELBI **D – DV series**

MODEL	RECOMMENDED SANITARY EXPANSION TANK (mod. ELBI D-DV series)
BF-2 / 1500	DV – 150
BF-2 / 2000	DV – 150
BF-2 / 3000	DV – 300
BF-2 / 5000	n°2 pcs DV – 200

Sized using the following parameters: T. accumulation= 85 °C / T. inlet = 15 °C / Pre-charge pressure = 3 bar / Max pressure = 6 bar
The recommended capacity must be verified on the basis of the actual dimensions of the system implemented.

MODEL	MAGNESIUM ANODE SUPPLIED	CATHODIC PROTECTION APPLICABLE
BF-2 / 1500	1,1/4" x 670 / Cod.8560070	Cathodic protection for cylinders 1500/2000 l. Code 8560180
BF-2 / 2000	1,1/4" x 670 / Cod.8560070	
BF-2 / 3000	1,1/4" x 700 / Cod.8560080	Cathodic protection for cylinders 3000/5000 l. Code 8560185
BF-2 / 5000	1,1/2" x 640 / Cod.8560100	