

INDIRECT WATER HEATERS WITH A SPIRAL COIL



Standing, certified steel container with ceramic enamel coating for domestic hot water heating and storage. The internal protection of the tank is provided by a high-quality ceramic enamel coating fired at 870°C. The insulation is made of hard polyurethane foam, with PVC (SKAY) coating, it can also be ordered with removable NEODUL insulation from 700 liters. About cathode protection in storage magnesium anode is provided.

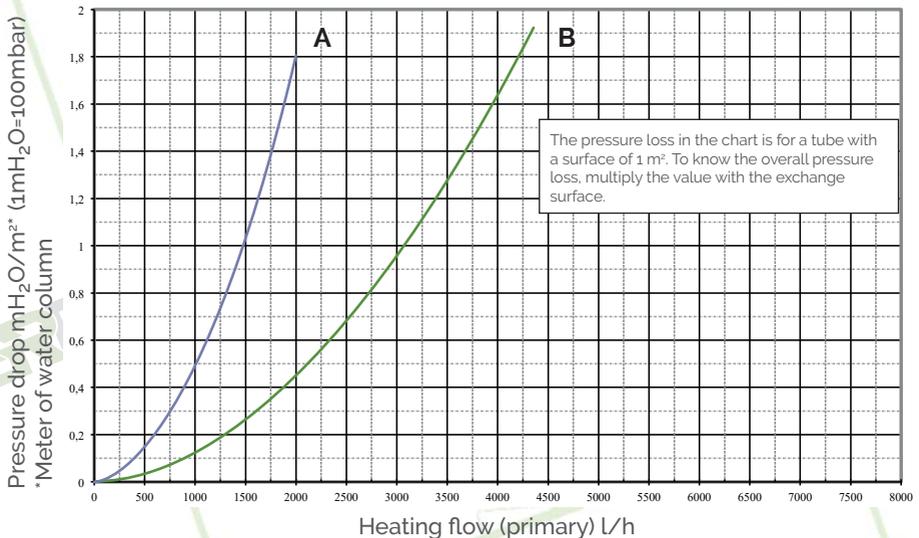
Indirectly heated storage is suitable for the production of domestic hot water, the parallel internal coils (heat exchangers) could be connected to a heating device, heated buffer tanks, solar thermal systems. The tank has a cleaning flange on which it can be made the periodic maintenance.

The internal heat exchanger of the BSF(V) series is fixed (welded) coils which are enamelled together with the container, BSFV tanks are improved versions of BSF tanks according to ErP.

The maximum permissible operating pressure of the tank is 10 bar (6 bar up to 140 liters), the heat exchanger can be used with a maximum pressure of 16 bar. Its maximum operating temperature under pressure is 95°C.

Installation and usage according to the warranty conditions and manual.

Pressure drop (primary - inner coil)

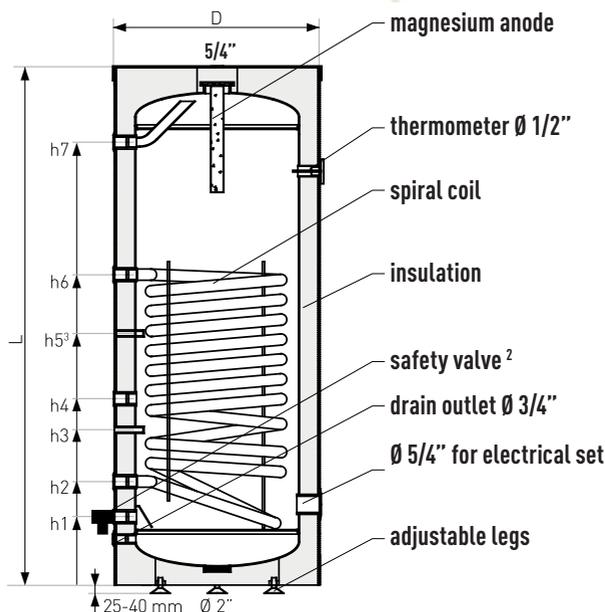
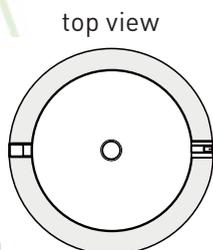


- A) Types equipped with 3/4" spiral coil (100-140 liters)
- B) Types equipped with 1" spiral coil (200-1500 liters)

BSF (100-140) serie - Technical specification

Specification	Unit	BSF-		
		100	120	140
storage capacity ¹	l	102	114	129
ErP	polystyrene foam	C	C	C
	polyurethane foam	B	B	B
tank's maximum working pressure	bar	6	6	6
coil's maximum working pressure	bar	16	16	16
tank's maximum working temperature	°C	95	95	95
coil's maximum working temperature	°C	110	110	110
coil's surface	m ²	0,6	0,95	0,95
coil's capacity	l	2,6	4,1	4,1
coil's power (70/10/45°C)	kW	16	23	23
coil's efficiency (70/10/45°C)	l/h	390	560	560
coil's power (80/10/45°C)	kW	21,1	30,4	30,4
coil's efficiency (80/10/45°C)	l/h	510	740	740
demand for heating water from CH boiler	m ³ /h	2,5	2,5	2,6
magnesium anode - top cover - 5/4" plug	mm	25x390	25x390	25x390
h1 - cold water inflow (int. thread)	" / mm	3/4 / 210	3/4 / 165	3/4 / 165
h2 - CH water outflow (int. thread)	" / mm	3/4 / 310	3/4 / 250	3/4 / 250
h3 - sensor cover (Ø)	" / mm	3/8 / 400	-	-
h4 - circulation (int. thread)	" / mm	3/4 / 500	3/4 / 450	3/4 / 450
h5 - sensor cover (Ø)	" / mm	-	3/8 / 535	3/8 / 535
h6 - CH hot water inflow (int. thread)	" / mm	3/4 / 710	3/4 / 750	3/4 / 750
h7 - DHW outflow (int. thread)	" / mm	3/4 / 790	3/4 / 920	3/4 / 1070
D - external diameter	mm	518	518	518
L - height	mm	1040	1150	1290
net weight	kg	52	57	62

BSF-100, 120, 140



¹ According to the (EU) 812/2013, 814/2013

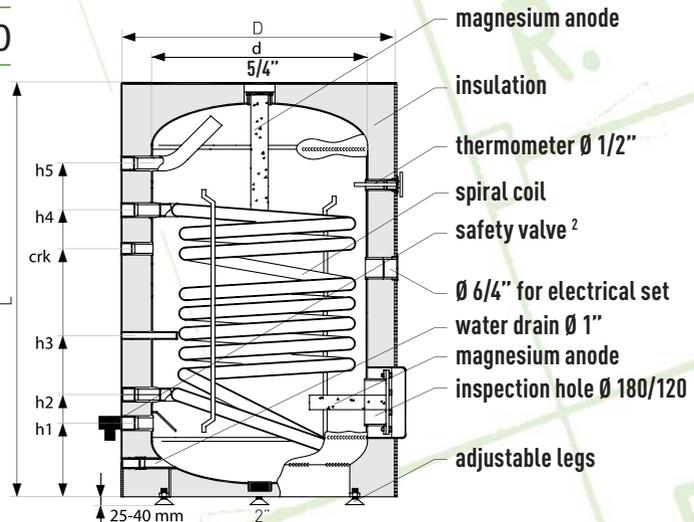
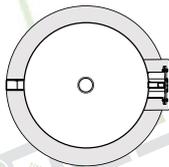
² Not included in the base price

BSFV (200-500) serie - Technical specification

Specification	Unit	BSFV-				
		200	250	300	400	500
storage capacity ¹	l	197	247	309	405	513
ErP polyurethane foam	-	B	B	B	C	B
tank's maximum working temperature	°C	95	95	95	95	95
coil's maximum working temperature	°C	110	110	110	110	110
tank's maximum working pressure	bar	10	10	10	10	10
coil's maximum working pressure	bar	16	16	16	16	16
coil's surface	m ²	1,4	1,4	1,4	1,8	2,0
coil's capacity	l	9,8	9,8	9,8	12,6	14,0
coil's power (70/10/45°C)	kW	33,6	33,6	33,6	43	48
coil's efficiency (70/10/45°C)	l/h	800	800	800	1030	1150
coil's power (80/10/45°C)	kW	44,8	44,8	44,8	57,6	64
coil's efficiency (80/10/45°C)	l/h	1070	1070	1070	1380	1530
magnesium top cover 5/4" plug	mm	38x400	38x400	38x400	38x400	38x600
anode insp. hole M8 screw	mm	38x200	38x200	38x200	38x200	38x200
h1 - cold water inflow (int. thread)	" / mm	1 / 210	1 / 210	1 / 130	1 / 240	1 / 180
h2 - CH water outflow (int. thread)	" / mm	1 / 290	1 / 285	1 / 280	1 / 320	1 / 320
h3 - sensor cover (Ø)	" / mm	3/8 / 435	3/8 / 440	3/8 / 435	3/8 / 570	3/8 / 530
crk - circulation (int. thread)	" / mm	3/4 / 680	3/4 / 600	3/4 / 650	3/4 / 770	3/4 / 1320
h4 - CH hot water inflow (int. thread)	" / mm	1 / 790	1 / 755	1 / 750	1 / 870	1 / 970
h5 - DHW outflow (int. thread)	" / mm	1 / 860	1 / 1085	1 / 1355	1 / 1470	1 / 1650
sleeve for mounting an electrical set (int. thread)	"	6/4	6/4	6/4	6/4	6/4
insp. hole (external Ø / internal Ø)	mm	180/120	180/120	180/120	180/120	180/120
d - internal diameter	mm	550	550	550	600	630
D - external diameter	mm	670	670	670	700	755
L - height	mm	1100	1300	1615	1750	1950
net weight	kg	80	95	108	138	162

BSFV-200, 250, 400

top view



¹ According to the (EU) 812/2013, 814/2013

² Not included in the base price

BSFV (700-1500) serie - Technical specification

Specification	Unit	BSFV-		
		700	1000	1500
storage capacity ¹	l	694	1005	1433
ErP	polyurethane foam	C	-	-
	Neodul®	-	C	C
tank's maximum working temperature	°C	95	95	95
coil's maximum working temperature	°C	110	110	110
tank's maximum working pressure	bar	10	10	10
coil's maximum working pressure	bar	16	16	16
coil's surface	m ²	2,4	2,7	2,7
coil's capacity	l	16,8	18,9	18,9
coil's power (70/10/45°C)	kW	57,6	64,8	64,8
coil's efficiency (70/10/45°C)	l/h	1380	1580	1580
coil's power (80/10/45°C)	kW	76,8	86,4	86,4
coil's efficiency (80/10/45°C)	l/h	1840	2110	2110
magnesium top cover 2" plug	mm	38x600	38x600	38x600
anode insp. hole M8 screw	mm	38x400	38x400	38x400
h1 - cold water inflow (int. thread)	" / mm	6/4 / 215	6/4 / 250	6/4 / 250
h2 - CH water outflow (int. thread)	" / mm	1 / 375	1 / 450	1 / 450
h3 - sensor cover (Ø)	" / mm	3/8 / 575	3/8 / 590	3/8 / 600
crk - circulation (int. thread)	" / mm	5/4 / 925	5/4 / 875	5/4 / 1630
h4 - CH hot water inflow (int. thread)	" / mm	1 / 1045	1 / 1000	1 / 1000
h5 - DHW outflow (int. thread)	" / mm	6/4 / 1715	6/4 / 1570	6/4 / 2250
sleeve for mounting an electrical set (int. thread)	"	6/4	6/4	6/4
insp. hole (external Ø / internal Ø)	mm	280/205	280/205	280/205
d - internal diameter	mm	700	900	900
D - external diameter	mm	855/860 ³	1060 ³	1100 ³
L - height	mm	2050/2080 ³	1990 ³	2680 ³
net weight	kg	242	347	447

BSFV-300, 700, 1000

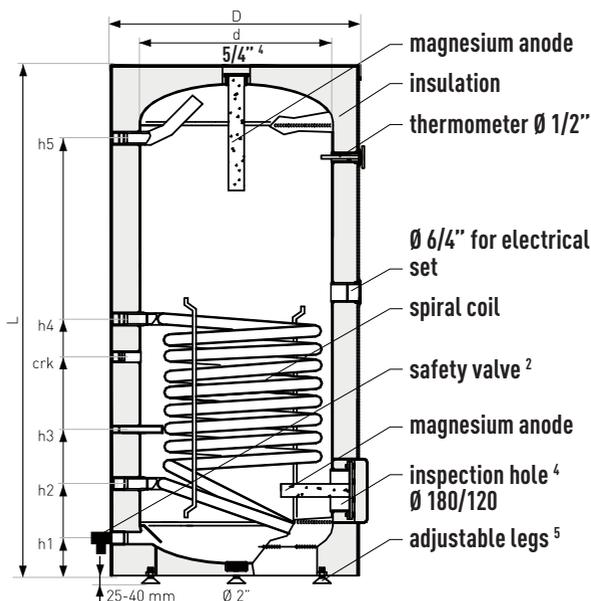
¹ According to the (EU) 812/2013, 814/2013

² Not included in the base price

³ Neodul® (detachable)

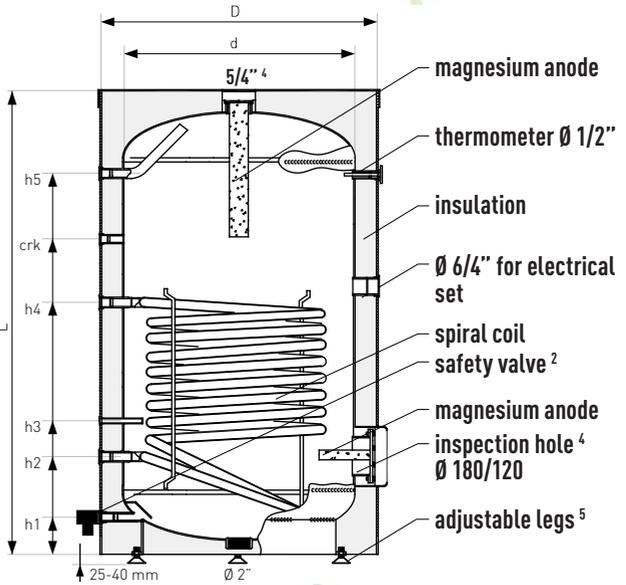
⁴ For 700, 1000 and 1500 l capacities, the magnesium anode plug is 2"

⁵ Applies to 200-500 l capacities



BSFV-500, 1500

- ¹ According to the (EU) 812/2013, 814/2013
- ² Not included in the base price
- ³ Neodul® (detachable)
- ⁴ For 700, 1000 and 1500 l capacities, the magnesium anode plug is 2"
- ⁵ Applies to 200-500 l capacities



Sample scheme

BSFV domestic hot water storage tanks

