



# BOXER BF

BF-60 | BF-80 | BF-90

The BOXER BF steam generator is a source of well-being and relaxation. Create a spa atmosphere in your home, let the warm steam caress your senses and forget your hectic everyday life for a moment. Boxer BF is also a reliable solution for spas, family providing perfect moments of indulgence for your customers. The steam generator can also be equipped with an accessory touch control panel to create ethereal fragrances and an atmospheric lighting in your steam room. In the course of more than 35 years, Boxer Inc has grown into the world's largest sauna heater and stove manufacturer to create perfect spa experiences to match your dreams.



## Advantages

- Easy to use, easy maintenance
- The steam generator is controlled by a separate stylish touch-screen control panel that can also control fragrance pump, lighting and fan
- Water level is measured in clean water, in a separate measuring cup to prevent problems caused by water impurities
- A sediment cup collects water impurities that fall on the bottom of the water container.
- Designed for high output demanding spa use



## Features

Main material : Rose Gold Stainless Steel

Net weight (kg) : 14

H x W x D : 320.0 x 200.0 x 450.0 mm

Water container volume : 5.0

Installation location : Wall

ID	Output (kW)	Steam output (kg/h)	Steam room size min - max m <sup>3</sup>
BF-60	6 kW	7.6	5.0-7.0
BF-80	8 kW	10	7.0-9.0
BF-90	9 kW	12	8.0-11.0

## Related products



BX-AD220



BX-AT86



BX-F300L



BX-N520

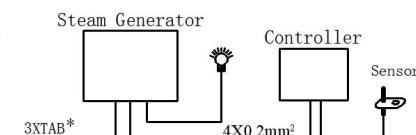
## Spare parts

Product	ID	Pcs
Steam nozzle	N520	1
Automatic discharge valve	AD220	1
Fragrance pump	FP900	1
Heating element 3000W/230V	SAW-300	3
AT control panel complete	AT86	1
Water level measuring unit	WX620	1
Surface sensor BF	ZG-150	1
Overheat protector BF/BC/BL	ZG-550	1
Manual discharge valve BF/BC/BL	ZG-575	1
Temperature sensor BF/BC/BL	ZG-660	1
Contactor ABB LS.17.10 230V	ZSK-778	2
Steam outlet pipe Helix	ZSTM-040	1
Water supply hose Helix	ZSTM-047	1
Pipe adapter 18 mm - G 1/2 '	ZSTM-050	1
Insulating for water reservoir	ZSTM-060	1
Water supply pipe assembly	ZSTM-070	1
Water outlet pipe assembly	ZSTM-071	1
Rubber gasket D18	ZSTM-140	4
Rubber gasket D10	ZSTM-150	1
Rubber plug	ZSTM-155	1
Service hatch cover	ZSTM-160	1
Pre filter water	F300L	1
Conn. part for fragr. pump	ZSTM-195	1
Circuit board steam.gen. 2018	WX645	1
BF user interface, white	WX388	
Solenoid valve	ZSS-610	1
On/off electric switch	ZSK-684	1
Surface sensor BF	SPZG-150	
Outlet pipe D18 steam, copper	SPZSTM-040	
Overheat protector BF/BC/BL	SPZG-550	
Drain valve hot water BF/BC/BL	SPZG-575	
Temperature sensor steam, black	SPZG-660	
Contactor 4 blocks 30A 100-240VACDC 50/60 Hz	SPZSK-778	

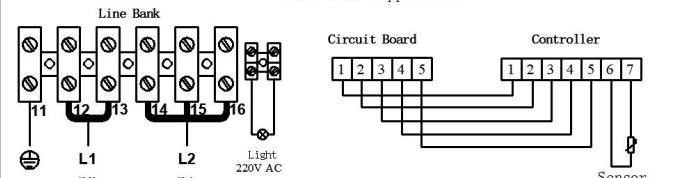
## Board Connections

## Steam Generator 3KW ~ 9KW 1P 220V-240V

The electrical parameters of the steam generator are shown in Table 1



\* Use 75°C copper wire

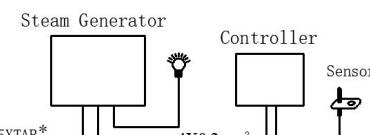


\* Use 75°C copper wire

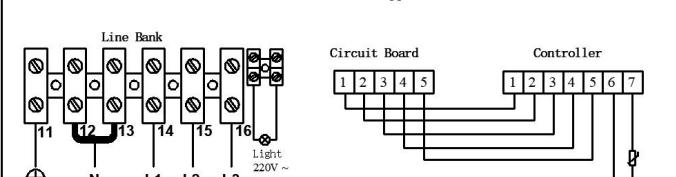
## AC 220-240 ~ OR 200-240V 2~

## Steam Generator 3KW ~ 9KW 3P 380V-415V

The electrical parameters of the steam generator are shown in Table 1



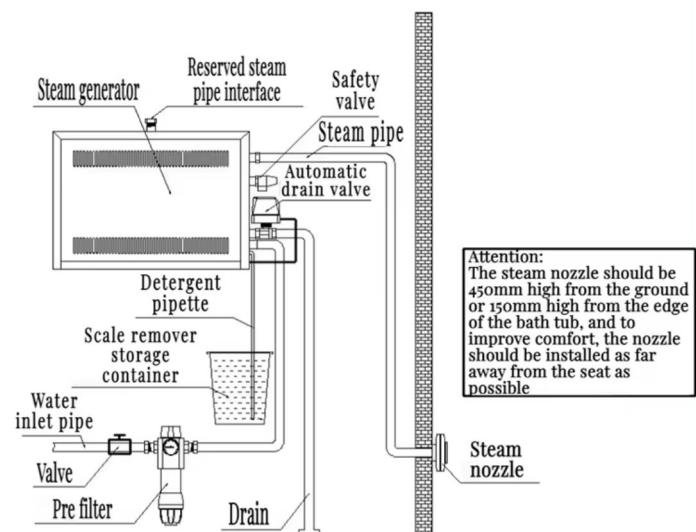
\* Use 75°C copper wire



\* Use 75°C copper wire

## AC 380-415V 3N~

## Installation measurements



Attention:  
The steam nozzle should be 450mm high from the ground or 150mm high from the edge of the bath tub, and to improve comfort, the nozzle should be installed as far away from the seat as possible



## Technical details

Technical data	Type / attribute	BF-60	BF-80	BF-90
	Power output	6 kW	8 kW	9 kW
	Fuses (400V3N-) pcs x ampers	3 x 10 A	3 x 16 A	3 x 16 A
	Fuse (230V1N-) ampers	32 A	40 A	40 A
	Max. Connection power for light	100.0		100.0
	Max. Connection power for fan	100.0		100.0
	Max. Connection power for OUT1	50.0		50.0
	Max. Connection power for OUT2	50.0		50.0
<hr/>				
	Switch input voltage			
	IP Class (like: IPX4)	IPX2	IPX2	IPX2
	Steam output capacity (kg/h)	7.6	10	12
Dimensions	Product width	200.0	200.0	200.0
	Product height	320.0	320.0	320.0
	Product depth (mm)	450.0	450.0	450.0
	Net weight (kg)	14	14	14
	Water container volume	5.0	5.0	5.0
	Sensor cable length	5.0	5.0	5.0
<hr/>				
Connections	Steam out connections	Ø21 mm	Ø21 mm	Ø21 mm
	Water in connections	G $\frac{3}{4}$ " male	G $\frac{3}{4}$ " male	G $\frac{3}{4}$ " male
	Incoming water pressure bar	min. 1,5 - max. 4,0	min. 1,5 - max. 4,0	min. 1,5 - max. 4,0
	<hr/>	<hr/>	<hr/>	<hr/>
	Water out connections	G $\frac{1}{2}$ " female	G $\frac{1}{2}$ " female	G $\frac{1}{2}$ " female
	Supply cable (400V 3N-) mm <sup>2</sup>	5 x 1.5 mm <sup>2</sup>	5 x 2.5 mm <sup>2</sup>	5 x 2.5 mm <sup>2</sup>
	Supply cable (230V 1N-) mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	3 x 10 mm <sup>2</sup>	3 x 10 mm <sup>2</sup>
	Light lead (230 V 1N-) mm <sup>2</sup>	1.5	1.5	1.5
	Fan lead mm <sup>2</sup>			
	Sensor lead (230 V 1N-) mm <sup>2</sup>			
<hr/>				
Room volumes	Steam room size light wall (acrylic, etc.) not ventilated	5.0-7.0	7.0-9.0	8.0-11.0
	Steam room size light wall (acrylic, etc.) ventilated	3.5-4.9	4.9-6.3	5.6-7.7
	Steam room size tiled light wall not ventilated	3.8-5.3	5.3-6.8	6.0-8.3
	Steam room size tiled light wall ventilated	2.7-6.2	3.8-4.8	4.2-5.9
	Steam room size tiled stone wall not ventilated	2.5-3.5	3.5-4.5	4.0-5.5
	Steam room size tiled stone wall ventilated	1.8-2.5	2.5-3.2	2.8-3.9
Ambient conditions	Storage temperature			
	Ambient temperature			