

## FLOOR STANDING VERTICAL TANK WITH 1 TUBE HEAT EXCHANGER INSIDE

- Boiler 300 ltr with one tube heat exchanger inside
- Boiler made from extra thick and high quality USD 37.2 steel plate.
- Double tested for water tightness.
- Inner cleaning of the tank with automated 6stages sand blasting (not chemically) resulting in a perfect adherence of the enameling on the steel surface. Food grade enamel quality applied with a “double direct” method and baked at 850°C .
- Inner protection with glass enamelling made with double ‘direct’ enamel process and it is heated at a temperature of 850°C.
- Supplied with a magnesium rod for extra anticorrosive protection.
- Side flange for easy cleaning
- Top flange for easy replacement of the magnesium rod.
- Electric resistance (2 to 4 kw, 220-240V ) can be supplied upon request.
- Function Pmax: 6 bar

### Outer Cover Material:

Flexible artificial leather in various colors

### Heat Exchanger Type:

Coil heat exchanger made of heavy duty steel tube 33mm (tubo)

### Thermal Insulation:

Polyurethane Foam CFC & FCKW free

Density: 40 kg/m<sup>3</sup>

Thickness: 65 mm.

Thermal Conductivity: 0,023 W/mk

Fire Class: B3, auto extinguishable.

Weight : 108 kgs

Diameter 603 mm x 1930 height

### HYDRAULIC CONNEXIONS

Sensor : ½”

Heat exchangers: 1”

Hot-Cold inlets: 1”

Electric element : 1 ½”

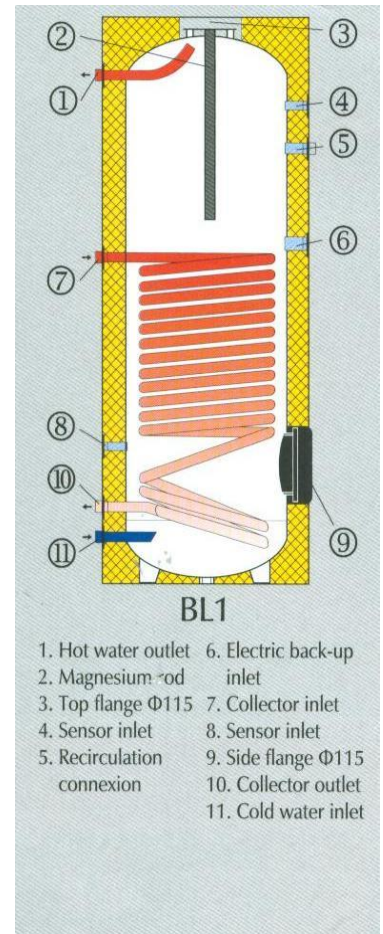
Recirculation : 1”

### Technical specifications

Model		BL 300			
Heat Exchangers		Solar (lower) Heat Exchanger (BL1 models)			
Heat Exchanger Capacity	Lt	7.4			
Heat Exchanger surface area	m <sup>2</sup>	1.4			
Lower Heat Exch. Flow Rate	m <sup>3</sup> /h	3			
Pressure drop	mbar	150			
Inlet temperature	° C	55	70	80	90
Heat Exchanger Power*	KW	12.3	25	32.6	41
Hot water continuous supply	Lt/h	300	620	800	1000
Thermal losses **	KWh/24H	2.24			

\*Cold water temperature 10°C. Hot water outlet temperature 45°C. Storage temperature 60°C.

\*\* Water storage temperature 65°C – Ambient temperature 20°C.



Tanks have a maximum service pressure of 6 bar. It is strongly recommended to install a 6 bar TP Valve and an expansion pot in the cold inlet