

FLUSSO HORIZONTAL BUFFER TANK



Flusso Horizontal Buffer Tank is an innovative product for the storage of hot non-domestic water for utilization in domestic hot water (DHW) and/or heating systems. The tank can be charged with a variety of heat sources at the same time (solar field, boiler, heat pump, etc.) while the design of the tank ensures the lowest possible thermal losses in its category.

This product can be used in a wide range of applications from simple domestic up to hotel applications, while it is ideally combined with the **Cascada Fresh Water Station**.



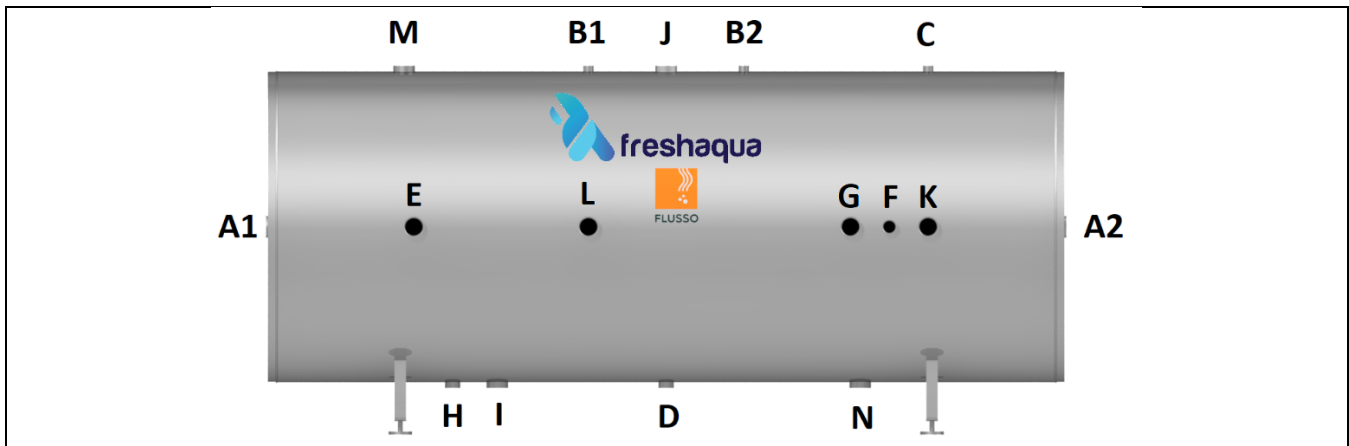
PRODUCT MODELS

MODEL	FLUSSO BF HOR 400	FLUSSO BF HOR 600	FLUSSO BF HOR 900
Tank Capacity (lt)	400	600	900
Tank Length (mm)	1520	2035	2046
Tank Diameter (mm)	800	800	960
Tank Weight (kg)	121	145	190

TECHNICAL SPECIFICATIONS	
Tank material	INOX 304
Tank insulation	Polyurethane foam (thickness: 85 mm, density: 45 kg/m ³)
Tank outer casing	INOX 304
Tank welding type	Automatic circular welding
Tank nominal operating pressure	6 bar
Tank maximum operating pressure	10 bar
Tank nominal operating temperature	90°C
Energy classification	B-C

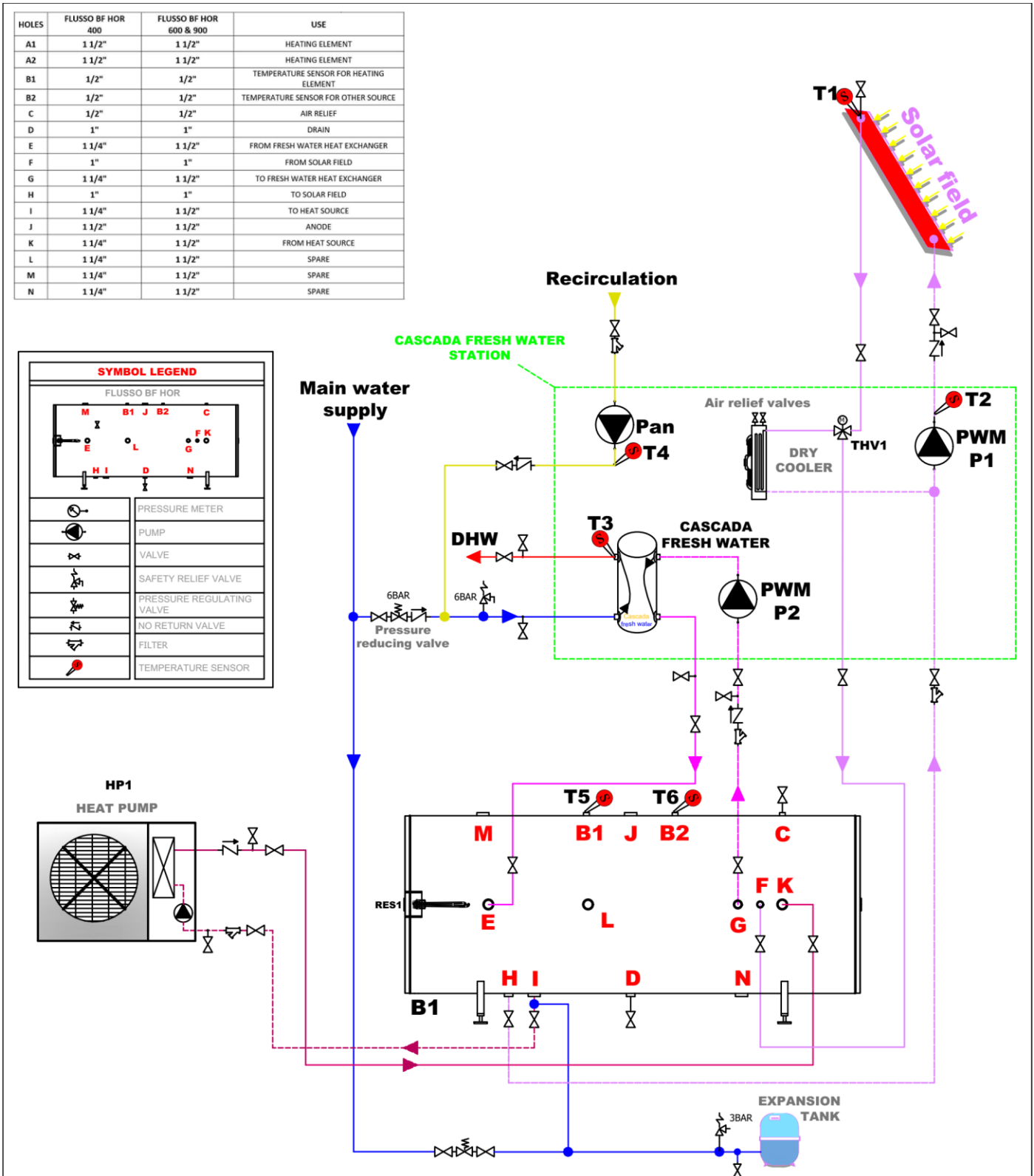
Use a 3 bar pressure safety valve in the tank's closed circuit and a suitable & correctly sized expansion tank.

NOMENCLATURE AND HOLES DIAMETERS

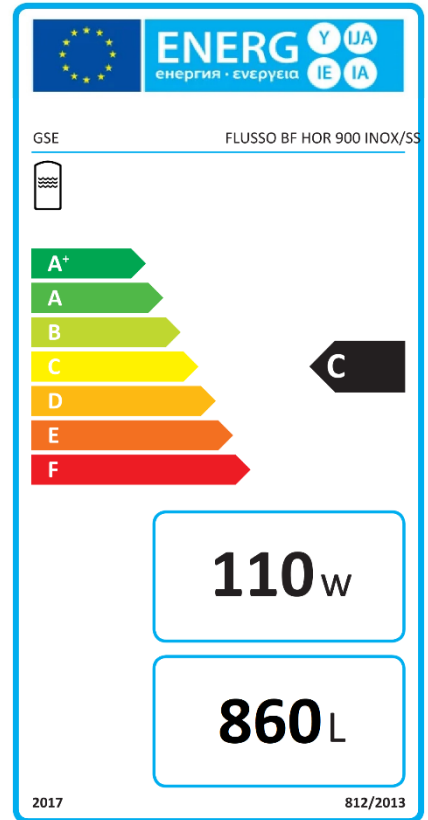
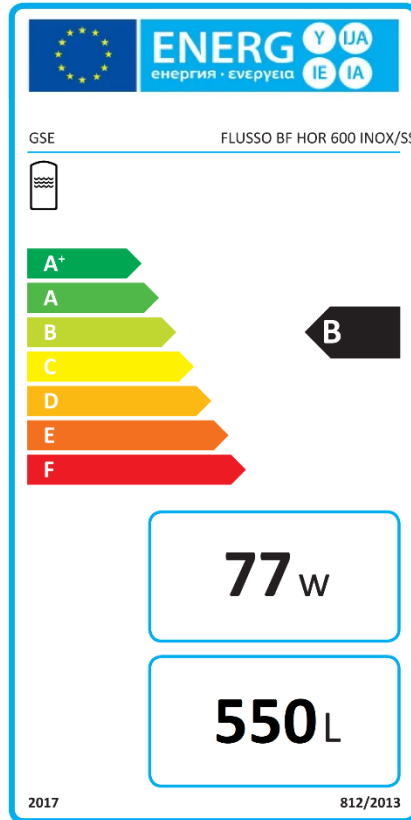
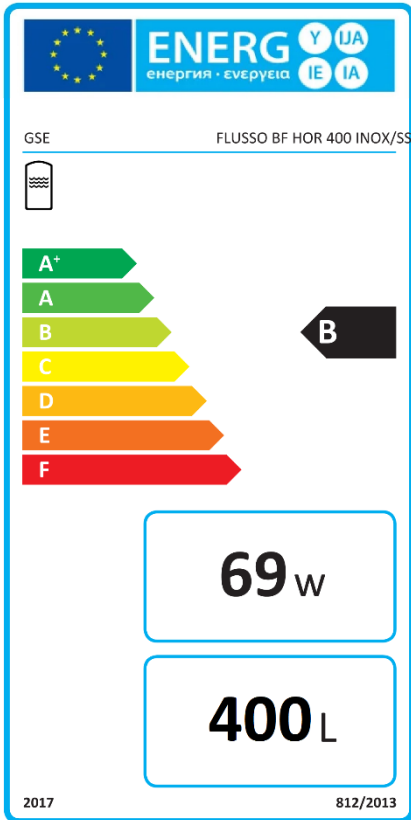


HOLES	FLUSSO BF HOR 400	FLUSSO BF HOR 600 & 900	USE
A1	1 1/2"	1 1/2"	HEATING ELEMENT
A2	1 1/2"	1 1/2"	HEATING ELEMENT
B1	1/2"	1/2"	TEMPERATURE SENSOR FOR HEATING ELEMENT
B2	1/2"	1/2"	TEMPERATURE SENSOR FOR OTHER SOURCE
C	1/2"	1/2"	AIR RELIEF
D	1"	1"	DRAIN
E	1 1/4"	1 1/2"	FROM FRESH WATER HEAT EXCHANGER
F	1"	1"	FROM SOLAR FIELD
G	1 1/4"	1 1/2"	TO FRESH WATER HEAT EXCHANGER
H	1"	1"	TO SOLAR FIELD
I	1 1/4"	1 1/2"	TO HEAT SOURCE
J	1 1/2"	1 1/2"	ANODE
K	1 1/4"	1 1/2"	FROM HEAT SOURCE
L	1 1/4"	1 1/2"	SPARE
M	1 1/4"	1 1/2"	SPARE
N	1 1/4"	1 1/2"	SPARE

PRESSURE AND INSTRUMENTATION DIAGRAM



ENERGY LABELS



QUALITY CHARACTERISTICS

QUALITY CHARACTERISTIC	BENEFIT
Tank body and casing made of INOX 304 stainless steel	Corrosion resistance Maximizes the lifetime of the installation
Plenty of sockets for power sources	Possibility of simultaneous interconnection of a variety of different energy sources
Energy classification B	Low thermal losses
Ergonomic design	Easy installation and connections Space saving in engine rooms
Low visual nuisance	Ideal for hotel rooftops