

GSE CASCADA PASS-THROUGH BUFFER TANK



This product offers an integrated and compact solution for producing hot, fresh water. It features an INOX buffer tank and an INOX single-pipe heat exchanger.

The system is compatible with various heat sources, such as solar panels, fuel boilers, or heat pumps, making it ideal for both domestic and larger-scale applications.



A distinctive product in its category, combining a stainless-steel tank with a matching stainless steel heat exchanger for enhanced durability and performance.



Global Sol Energy SA

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AVAILABLE MODELS

MODELS	GSE CASCADA VER BF-FW-F-(S)				
	150 INOX/LR*	200 INOX/LR*	300 INOX/LR*	600 INOX/LR*	1000 INOX/LR**
Nominal Fresh Water Flow Rate (m ³ /h)	0.5	0.8	1.0	1.4	2.0
Useful Volume (lt)	155	196	285	550	914
Height (mm)	1480	1300	1680	2020	2030
Diameter (mm)	485	600	600	730	1000
Insulation Thickness (mm)	50	50	50	50	100
Weight [without/with Solar HEX*] (Kg)	32/35*	65/69*	72/75*	125/130*	155/162**
DHW HEX Area (m ²)	2.6	3.8	4.8	7.8	8.9
Solar HEX Area* (m ²)	0.7*	1.0*	1.0*	1.4*	3.0**
<ul style="list-style-type: none"> All dimensions include the tank insulation. HEX: Heat Exchanger <p>* Models available with an optional solar heat exchanger (S).</p> <p>** For the 1000 lt model, the solar heat exchanger is available <i>upon request</i>.</p>					

TECHNICAL SPECIFICATIONS FOR GSE CASCADA BF VER-FW-F-(S)		
BUFFER TANK	Material	Stainless-Steel 304
	Insulation Material	Polyurethane
	Outer Casing	PVC leather
	Welding Type	Automated Robotic Welding
	Nominal Operating pressure	3 bar
	Maximum Operating Pressure	4 bar
	Test pressure	8 bar
	Maximum Operating Temperature	95°C
DHW HEX (Fresh Water HEX)	Type	Immersed Spiral and Corrugated, Single Pipe
	Material	Stainless Steel 316L
	Welding Type	Automated Circular Welding
	Nominal Operating prssure	6 bar
	Maximum Operating Pressure	12 bar
Solar HEX (ON DEMAND)	Type	Immersed Spiral and Corrugated, Single Pipe
	Material	Stainless Steel 316L

- Flow - Temperature Charging Curve Diagrams and Pressure Drop - Flow Diagrams are available for each model in the technical brochure.

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FEATURES

FEATURE	BENEFIT
In-Line water heating	<ul style="list-style-type: none"> • Prevents the growth of <i>Legionella</i> bacteria • Enables instant production of hygienic DHW
Stainless steel tank body, INOX 304.	<ul style="list-style-type: none"> • Guarantees extended product durability • Prevents damage to peripheral equipment
Insulation from polyurethane.	<ul style="list-style-type: none"> • Reduced Thermal Loss • Energy Saving
Fully compatible with existing heating systems and heat pumps.	<ul style="list-style-type: none"> • Utilization of existing equipment • Efficient tank charging without the need for a coil heat exchanger
Advanced heat exchanger design.	<ul style="list-style-type: none"> • Long lifespan of the heat exchanger • Stable operation • Easy and quick maintenance <p>The design and geometry of the heat exchanger are optimized to allow for scale removal through reverse flow cleaning and complete drainage.</p>
Side-mounted connections	<ul style="list-style-type: none"> • Easy installation • Space-saving in engine rooms, maximizing the use of available height
A 2-in-1 combination: stainless steel DHW heat exchanger and stainless-steel buffer tank.	<ul style="list-style-type: none"> • Space-saving by eliminating the need for a separate heat exchanger • Prevention of installation damage due to the high quality of materials (stainless steel)

CONNECTION DIAGRAM



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