

# marani g.

ENGINEERING STORAGE SYSTEMS

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## BFV-BFR Series



- **Hot water storage calorifier/Buffer tank with removable shell and tube exchanger (1, 2 or 3 removable heat exchanger).**
- **Available in Stainless steel both 316L or 316Ti or high quality carbon steel with enamel or ceramic lining protection.**
- **Available also tailored made solutions > 5,000 lt**
- **Insulation in polyester fiber fleece or expanded polystyrene with external finishing in PVC or embossed aluminum plate**

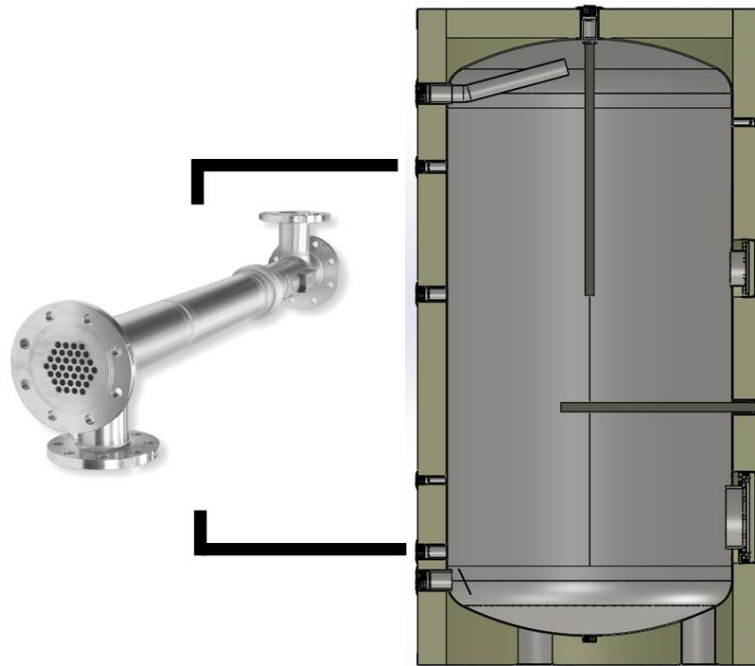
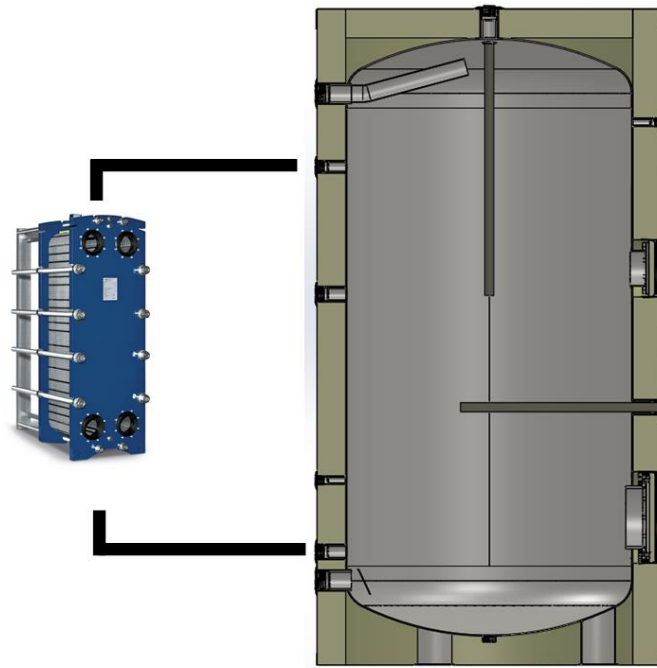


## EXAMPLE WITH REMOVABLE HEAT EXCHANGER

### TECHNICAL DATA SHEET BFV-I Type STAINLESS STEEL Vertical Hot Water Storage Calorifier 2000 LT CAPACITY 3x12 electric resistance (1 spare part)

<b>DIMENSIONAL DATA</b>		
Type		BFVV- I Vertical Hot Water Storage Calorifier
Capacity	Lts	2000
Material		Stainless steel 316Ti
Diameter with ins.	mm	1100
Tot. height	mm	2435
Norms - Laws ref.		Product conforms to art. 4.3 of European directive 2014/68/UE (P.E.D.)
Dish ends type		Torispherical Pressed
<b>TREATMENT DATA</b>		
Type		Top quality AISI 316 Ti of appropriate thickness for withstanding working and testing pressure, subjected to pickling and passivation chemical surface treatments according to ASTM A 380/06
Norms - Laws ref.		Suitable for contact with drinking water in accordance to the UE directive 76/893/EEC
<b>PRIMARY DATA (BOTTOM HEAT EXCHANGERS)</b>		
Type		Steam SS 316L U tube
Heating surface	m <sup>2</sup>	1.5
Power output	Kw	160
Max.working temperature	°C	164.96
Max working Pressure	bar	6
<b>SECONDARY DATA (TANK)</b>		
Max working Temperature	°C	95°
Max working Pressure	bar	6
Pressure Test	bar	9
<b>INSULATION DATA</b>		
Type		Expanded sintered polystyrene
Thickness	mm	100
Initial Thermic conductivity	W/mk	0.024
<b>FINISHING</b>		
Type		Embossed aluminium plate
<b>GALVANIC PROTECTION</b>		
Type		Impressed current cathodic protection
Cap dia.		1"1/4

## AVAILABLE ALSO FOR EXTERNAL HEAT EXCHANGER BOTH PLATE AND SHELL & TUBE



## EXAMPLE WITH REMOVABLE HEAT EXCHANGER

### TECHNICAL DATA SHEET

#### SONLC-PHE Model STAINLESS STEEL AISI 316Ti Vertical DHW Storage Tank with steam PHE 2000 lt CAPACITY with 3x12 Kw electric resistance

<b>DIMENSIONAL DATA</b>		
Type		SONLC-PHE DHW Storage Tank with PHE
Capacity	Lts	2000
Material		Stainless steel AISI 316Ti
Diameter with ins.	mm	1100
Tot. height	mm	2435
Norms - Laws ref.		Product conforms to art. 4.3 of European directive 2014/68/UE (P.E.D.)
Dish ends type		Torispherical Pressed
<b>TREATMENT DATA</b>		
Type		Top quality AISI 316Ti type of appropriate thickness for withstanding working and testing pressure, subjected to pickling and passivation chemical surface treatments according to ASTM A 380/06
Norms - Laws ref.		Suitable for contact with drinking water in accordance to the UE directive 76/893/EEC
<b>PRIMARY DATA (PHE)</b>		
Type		Steam SS Gasketed
Power output	Kw	160
Working temperature	°C	158.9
Working Pressure	bar	6
<b>SECONDARY DATA (TANK)</b>		
Max working Temperature	°C	95°
Max working Pressure	bar	6
Pressure Test	bar	9
<b>INSULATION DATA</b>		
Type		Expanded sintered polystyrene (EPS)
Thickness	mm	100
Initial Thermic conductivity	W/mk	0.024
<b>FINISHING</b>		
Type		Embossed aluminium plate