



#### **DATA SHEET**

## **HSK 1000 PV Thermal Store**

v1.3\_02/2020

Main features	
Application	storage of thermal energy for DHW and space heating
Description	this combination Thermal Store utilizes a heat pump with PV panels as a heat source for both space and DHW heating; DHW is being prepared in 2 integrated stainless-steel heat exchangers; a tightly fitting separating metal plate increases the heat pump's seasonal coefficient of performance, a dedicated PV heating element is placed in the lower tank section; more electric heating elements can be installed if needed
Working fluid	water (tank); water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)

#### HSK 1000 PV



**HSK 1000 PV with insulation** 



Code	
Thermal Store	16 180
Insulation	16 312

Energy Efficiency Data (as per EC Regulation No. 812/2013)						
HSK 1000 PV with insula						
Energy efficiency class	N/A					
Standing loss	132 W					
Storage volume	922 l					

Technical data	
Total tank volume	922 l
Fluid volume in tank	890 I
Upper DHW heat exchanger volume	21
Lower DHW heat exchanger volume	11
Upper DHW heat exchanger surface area	6 m²
Lower DHW heat exchanger surface area	3 m²
Max. working temp. in thermal store	95 °C
Max. working temp. in DHW heat exchangers	95 °C
Max. working pressure in thermal store	4 bar
Max. working pressure in DHW heat exchangers	6 bar

Tank Materials								
Tank material	S235JR							
DHW heat exchanger material	AISI 316 L							

Materials	
Tank perimeter insulation	fleece
Tank perimeter insulation outer surface	PU leather
Top and bottom tank insulation	fleece

Dimensions, Tipping height, Weight		
Tank diameter	800 mm	
Tank diameter with insulation	1000 mm	
Tank overall height	2080 mm	
Tipping height without insulation	2230 mm	
Tank perimeter insulation thickness	100 mm	
Bottom insulation thickness	50 mm	
Top insulation thickness	120 mm	
Empty weight without insulation	192 kg	

Accessories	
El. heating element	type ETT-C, L, M
Heating elem. max. length / output	4x 755 mm / 9 kW

E-mail: sales@regulus.eu

Web: www.regulus.eu

Tel.: +420 241 765 191

Fax: +420 241 763 976



### **DATA SHEET**

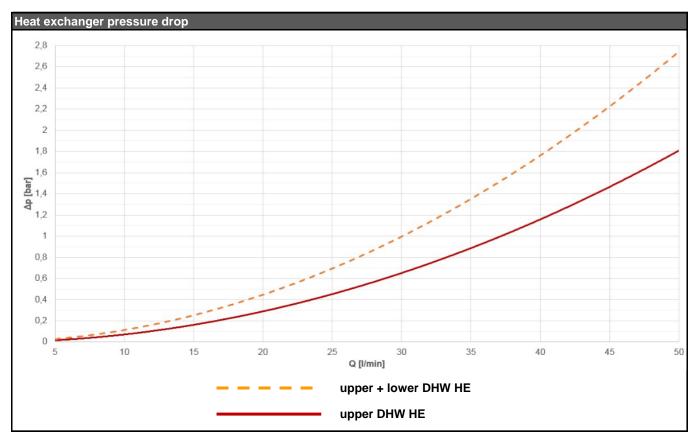
v1.3\_02/2020

E-mail: sales@regulus.eu

Web: www.regulus.eu

#### **HSK 1000 PV Thermal Store**

Volume of supplied DHW (heated from 10 °C to 40 °C)												
Heated volume		entire entire		entire			above metal sheet					
Temperature in tank		60 °C		60 °C			80 °C			60 °C		
Backup heater		10 kW		none		none			10 kW			
Flow rate [I/min]	8	12	20	8	12	20	8	12	20	8	12	20
Hot water volume [I]	1381	1008	796	846	749	697	1406	1365	1173	423	301	270



Tel.: +420 241 765 191

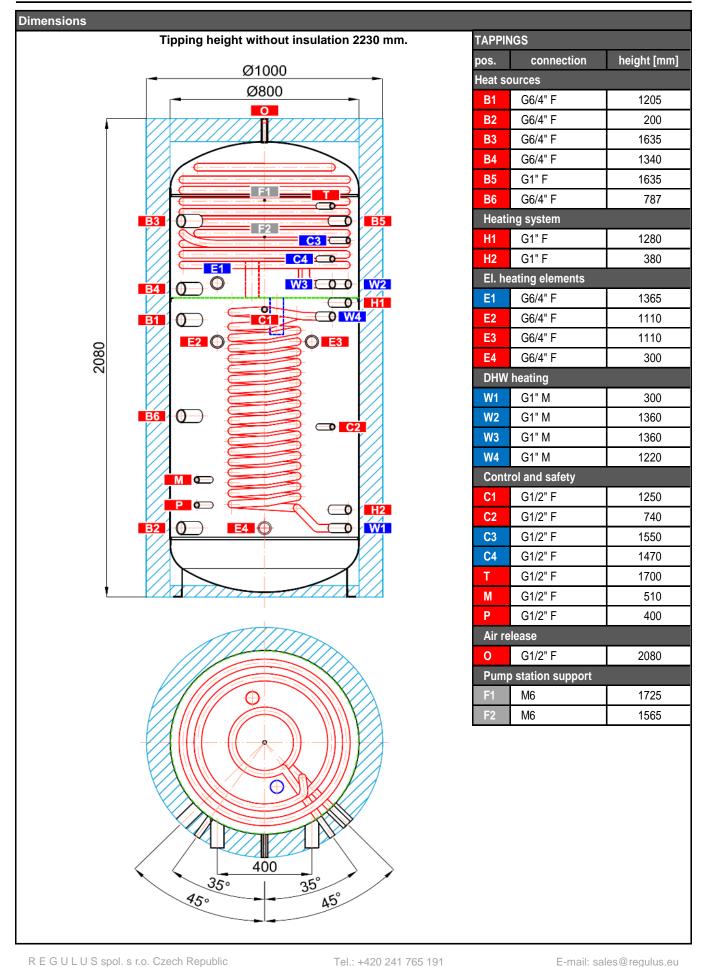
Fax: +420 241 763 976



Web: www.regulus.eu

# Regulus

#### **HSK 1000 PV Thermal Store**



Fax: +420 241 763 976