SOLAR CHARGING STATION DN20

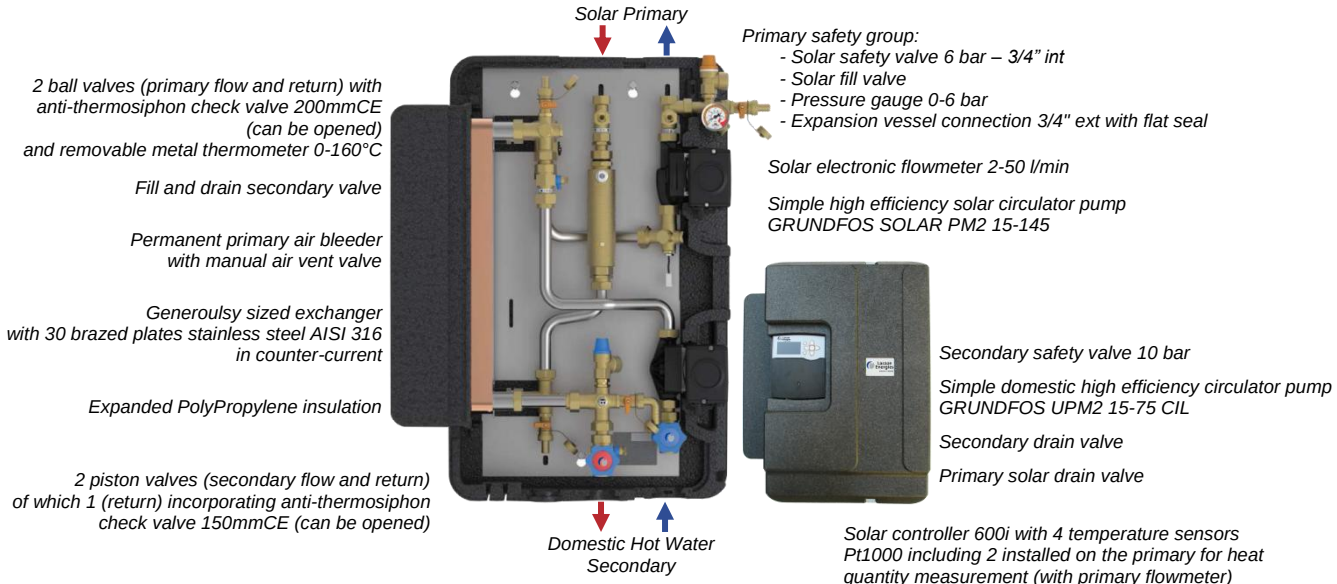
Technical datasheet Nr 79

• DESCRIPTION:

The solar charging station DN20 with integrated exchanger ensures optimal transfer of solar heat energy towards the hot water storage tanks.

The presence of high efficiency circulators and of the controller 600i allows a perfect adaptation of flows in response to fluctuations in solar radiation, temperatures in the storage tanks and different requirements requested.

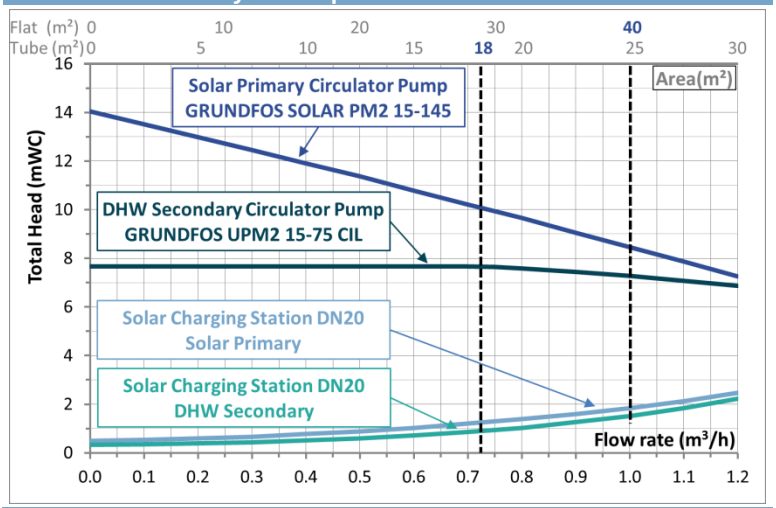
The station is fully assembled, pre-wired and factory-set to facilitate commissioning. It is designed for wall mounting and is fully insulated. This station is adapted for up to 40m²$_{aperture}$ of flat-plate collectors SUN 300 and up to 18m²$_{absorber}$ of vacuum tube collectors SUN 400.



• TECHNICAL SPECIFICATIONS:

Fonctionning range	Prim.	Sec.
Maximum operating temperature	120°C	95°C
Maximum stagnation temperature	140°C	-
Maximum allowed pressure	6 bar	10 bar
Set pressure of the safety valve	6 bar	10 bar
Maximum percentage of glycol	50%	-
Materials		
Valves and fittings	Brass	
Gaskets	EPDM	
Anti-thermosiphon check valves	Brass	
Insulation	EPP (λ=0,041W/(m.K)	
Dimensions		
Height (with solar safety valve)	795 mm	
Width (with solar fill valve)	674 mm	
Depth (with insulation)	298 mm	
Spacing (flow-return)	120 mm	
Connections for pipes	3/4"int	1"ext
Connection for expansion vessel	3/4"ext flat seal	
Connection for safety valve	3/4"int	

Hydraulic performance curves



Electric characteristics	
Power supply	230 V – 50 Hz
Current consumption	1.2 A

• AVAILABLE MODEL:

Reference	Designation
50070204004	Solar charging station DN20 with controller

Document that can be susceptible to changes

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