

SOLAR CHARGING STATION DN15

Technical datasheet Nr 78

DESCRIPTION:



Solar

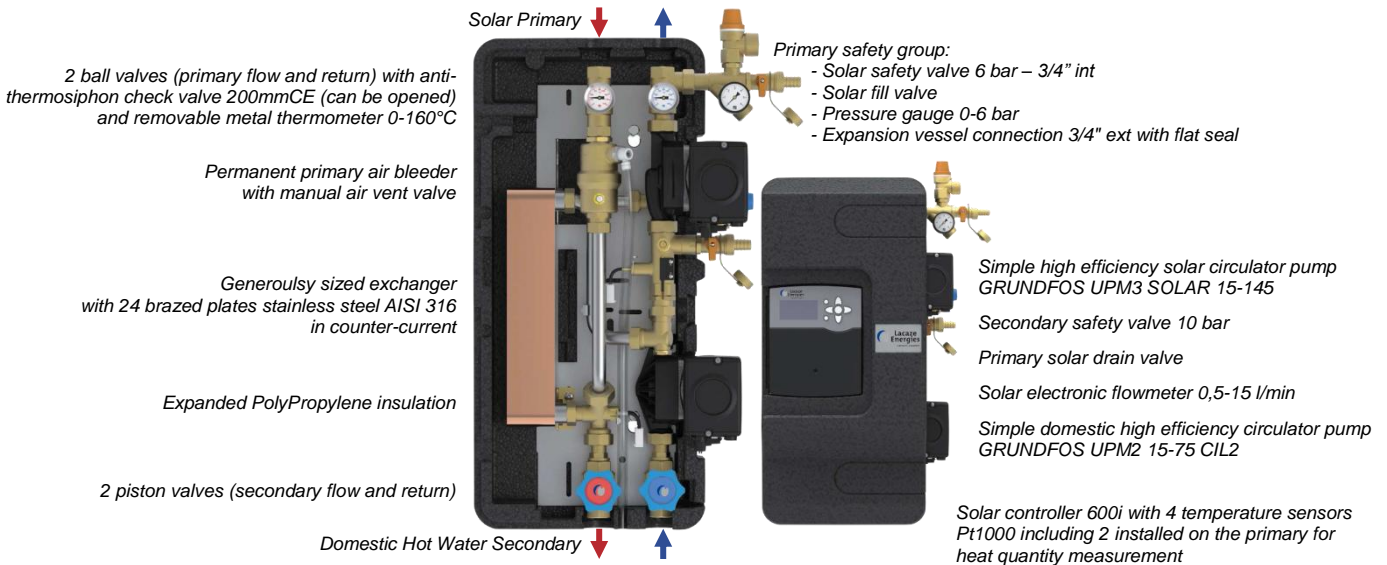


High efficiency circulator pump

The solar charging station DN15 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 25m² aperture of flat-plate collectors SUN 300 and up to 15m² 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%	-

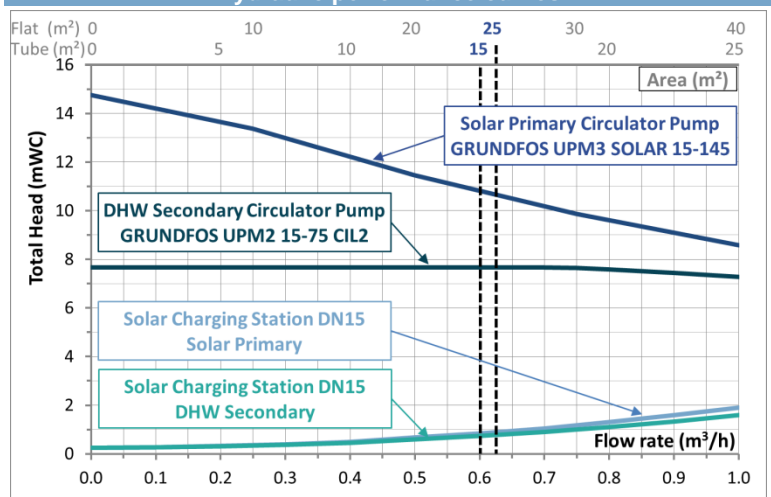
Materials

Valves and fittings	Brass
Gaskets	EPDM
Anti-thermosiphon check valves	Brass
Insulation	EPP ($\lambda=0,041W/(m.K)$)

Dimensions

Height (with solar safety valve)	679 mm
Width (with solar fill valve)	426 mm
Depth (with insulation)	250 mm
Spacing (flow-return)	82 mm
Connections for pipes	3/4"int
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
50070204007	Solar charging station DN15 with controller