

COMPACT SOLAR STATION DN25 WITHOUT CONTROLLER

Technical datasheet Nr 77

• DESCRIPTON:



Solar



High efficiency circulator pump

The compact solar station DN25 ensures the efficient circulation of the solar fluid in the solar loop. It contains all the components necessary for the proper functioning of the primary solar system.

It is entirely pre-mounted in order to facilitate the commissioning. It is designed for wall mounting. It is equipped with a high efficiency solar circulator pump which provides a high manometric head.

This station is adapted for up to 60m²_{aperture} of flat-plate collectors SUN 300 and up to 36m²_{absorber} of vacuum tube collectors SUN 400. *under conditions

2 ball valves (flow-return) with anti-thermosiphon check valve 200mmCE (can be opened) and removable metal thermometer 0-160°C

Permanent air bleeder with manual air vent valve

Expanded PolyPropylene insulation



Safety group:

- Solar safety valve 6 bar – 3/4" int
- Solar fill valve
- Pressure gauge 0-6 bar
- Expansion vessel connection 3/4" ext with flat seal

Simple high efficiency solar circulator pump GRUNDFOS SOLAR PML 25-145 MLI-C

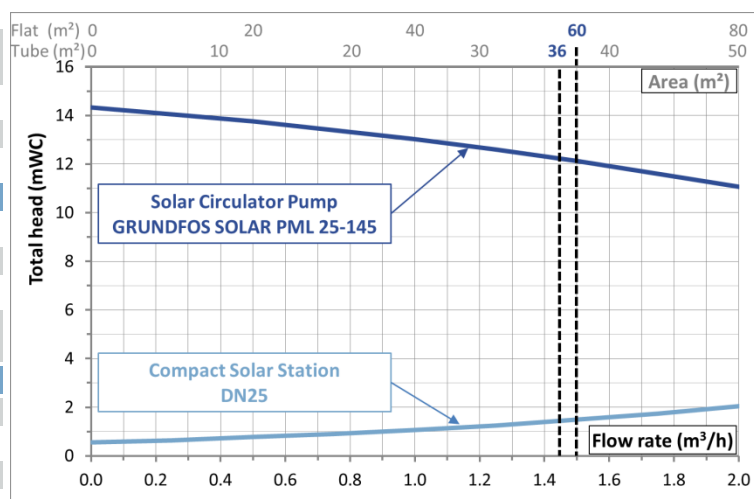
Solar drain valve

Direct readable flowmeter 5-40l/min with ball valve for flow balancing

• TECHNICAL SPECIFICATIONS:

Fonctionning range	
Maximum operating temperature	120°C
Maximum peak temperature (duration < 15 minutes)	160°C
Maximum allowed pressure	10 bar
Set pressure of the safety valve	6 bar
Maximum percentage of glycol	50%
Materials	
Valves and fittings	Laiton
Gaskets	EPDM
Anti-thermosiphon check valves	Laiton
Insulation	EPP (λ=0,041W/(m.K))
Dimensions	
Height (without controller block)	474 mm
Width (with fill valve)	334 mm
Depth (with insulation)	160 mm
Spacing (flow-return)	100 mm
Connections for pipes	1"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	1.10 A

• AVAILABLE MODEL:

Reference	Désignation
40030502002	Compact solar station DN25 without controller