

## NIBE™ SOLAR FOR COIL FP215 P / PL

NIBE premium solar packages for storage tanks & water heaters with internal solar coil

NEW



### Features of NIBE Solar for COIL FP215 P / PL

**Solar system tailored for optimum performance with almost every storage tank/water heater with an internal solar coil.**

**Lightweight, high-efficiency panels.**

**Easy-to-handle panels with quick connections.**

### NIBE Solar for COIL FP215 P / PL

The P (Premium) panel is mounted vertically.

The PL (Premium Landscape) is mounted horizontally.

The solar pump station has a low-energy solar pump, de-aerator, thermometers, adjusting valve, safety valve, pressure gauge, isolating valves and double check valves.

Also included are a solar expansion vessel and a wall bracket with a two-way check valve for easy servicing.

All necessary sensors are included.

This system will enable you to enjoy free energy from the sun for many years.

We wish you a sunny future!

# Technical specifications

## NIBE™ FP215 P / PL Solar panel

Solar panel		FP215 P	FP215 PL
Article number		057001	057002
Dimensions	mm	2088 x 1030 x 81	
Gross area	m <sup>2</sup>	2.15	
Aperture area	m <sup>2</sup>	1.91	
Glass thickness	mm	3.2	
Glass structure		Low-iron, tempered solar safety glass	
Collecting pipe diameter	mm	22	
Serpentine tube diameter	mm	10	
Weight	kg	32.5	33
Collector frame		black anodized	
Absorber type		serpentine pipe, Blue highly selective absorber coating	
Optical efficiency	%	80.6	82,3
Top insulation		20 mm mineral wool	
Bottom insulation		20 mm PIR sandwich insulation	
Filling volume	litres	1.65	2.32
Heat transfer medium		Propylene glycol or water in drain-back applications	
Maximum operating pressure	bar/MPa	10	
Maximum stagnation temperature	°C <sup>1)</sup>	191.2	

1) At an irradiation of 1000 W/m<sup>2</sup> and 30 °C ambient temperature

### Recommended accessories, not included

- \*\* Roof fixing details for different types of roofs
- \*\* Preinsulated flexible solar pipes, easy to split and including sensor cable, 10, 15, 20 or 25 metres
- \*\* Roof penetration unit

### \* Main Solar components included in the solar package



NIBE Solar Panels  
NIBE Solar FP215 P / PL  
\* Art no 057001 (P)  
\* Art no 057002 (PL)  
(2 - 6 pcs)



NIBE Solar pump station  
SPS10  
\* Art no 057027  
(1 Pcs)



NIBE Solar Controller unit  
SCU10  
\* Art no 518467  
(1 Pcs)

**Other components included in this solar package are:**  
Expansion vessel, quick fittings / compensators, solar glycol.

### NIBE Solar packages:

NIBE Solar for COIL FP215 P2 package	art no 06075
NIBE Solar for COIL FP215 P3 package	art no 069073
NIBE Solar for COIL FP215 P4 package	art no 057158
NIBE Solar for COIL FP215 P5 package	art no 057159
NIBE Solar for COIL FP215 P6 package	art no 057160
NIBE Solar for COIL FP215 PL2 package	art no 057161
NIBE Solar for COIL FP215 PL3 package	art no 057162
NIBE Solar for COIL FP215 PL4 package	art no 057163
NIBE Solar for COIL FP215 PL5 package	art no 057164
NIBE Solar for COIL FP215 PL6 package	art no 057165

Our guidance for this system is:

At 2 m<sup>2</sup> collector/person = 175 l tank/person

At 1 m<sup>2</sup> collector/person = about 75 l tank/person

For more detailed information go to the installers solar guide at [www.nibe.eu](http://www.nibe.eu)

### Example of hydraulic principle

