

NIBE™ SOLAR FP215 P /PL  
NIBE premium thermal collectors

NEW



## Features for NIBE Solar FP215-series

**High solar absorption rate**

**Blue high selective coating absorber (PVD)**

**40 mm thick heat insulation system that is equal to 57 mm thick rock wool insulation**

**Self discharging in stagnation mode with no air pockets like register absorbers**

**In-roof or on-roof installation**

**Up to 12 collectors can be tied up in a row with a 6 m solar pump**

**Quick joint connections**

**Light weight**

**10 year guarantee**

**MCS Approved**

## NIBE Solar FP215-series collectors

The solar thermal collector FP215 is a high class collector with a serpentine laser welded selective absorber and innovative lightweight design.

The collector has a empty weight of only 32,5 kg and high thermal efficienci due to an exceptional insulation solution. The combination of high temperature resistant PIR-Plate and rock wool insulation allows a flat collector height of only 81 mm.

# Technical specifications

## NIBE™ SOLAR FP215 P /PL

Solar panel	FP215 P	FP215 PL
Item number	057001	057002
Frame	Anodised black	
Dimensions	mm	2088 × 1030 × 81
Total 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	
Collection tube	mm	22
Flow tube	mm	10
Empty weight	kg	32.5
Absorber type	Blue high selective	
Optical efficiency	%	80.6
Upper insulation	20 mm rock wool	
Lower insulation	20 mm PIR-ALU sandwich insulation	
Fluid content	litres	1.65
Heat transfer fluid	Propylenglykol or water in drain back applications	Propylenglykol
Max. working pressure bar/MPa	10	
Stagnation temperature °C *	191.2	

\* at irradiation of 1000 W/m<sup>2</sup> and 30 °C outdoor temperature

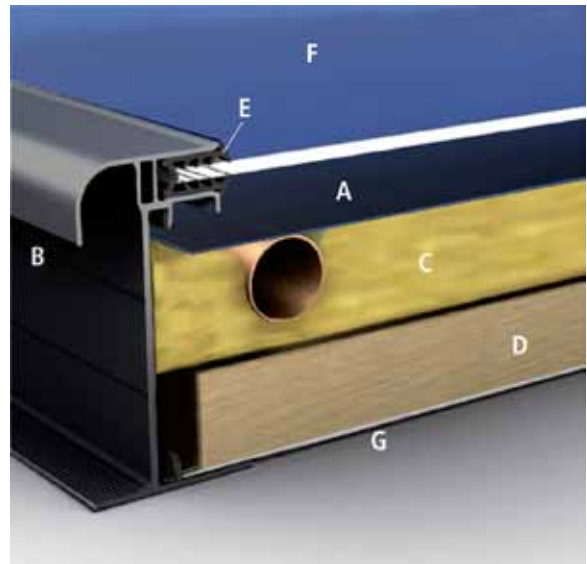
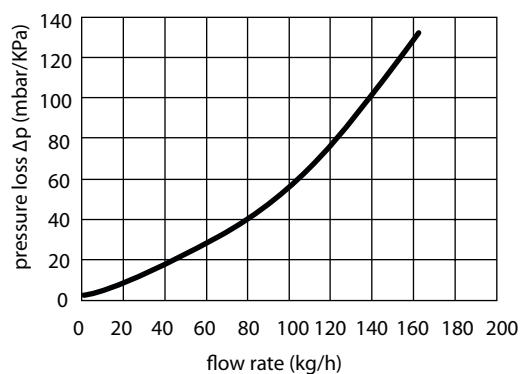
### Wide range of applications:

- Suitable for hot water, heating support and process energy systems
- Suitable for high-flow and low-flow operation

### Guarantees and certification:

- Complies with European Standards
- Solar Keymark certified
- MCS approved

### Pressure loss curve:



### Structural overview:

- A Blue selective absorber
- B Collector frame
- C Upper insulation from rock wool
- D Lower insulation from high temperature resistant PIR-Sandwich plate
- E Silicon glass seal
- F Glass panel
- G Robust aluminium backside



### Installation friendly system:

- Easy to transport with carry-friendly circulating handle bar and easy weight design
- Easy to install on the predesigned mounting system
- Easy to install due to quick connection design