



# SISTEMA FORZATO

FF-FS-XXXL









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Model	FF 160-25	FF 200-25	FF 300-50
Solar tank	FF161-2	FF201-2	FF301-2
Collector	1x FF2504	1x FF2504	2x FF2504
Mounting stand	FF1-00NV	FF1-00NV	FF2-00NV
Solar station	S2 (2-12l/min)	S2 (2-12l/min)	S2 (2-12l/min)
Solar controller	Sherpa M43	Sherpa M43	Sherpa M43
Expansion vessel	S25	S25	S25
Installation components*	V	V	V
Electrical element	3,5kW	3,5kW	3,5kW
Thermal medium	2lt	2lt	5lt

Installation components*	FF 160-25	FF 200-25	FF 300-50
	1	1	1
	1	1	1
	1	1	1
	2	2	2
	1	1	1
	0	0	2

## SERBATOIO SOLARE



Model		FF161-2	FF201-2	FF301-2
External diameter	mm	580	580	580
Height	mm	1100	1300	1800
Spiral HE surface	m <sup>2</sup>	1,21	1,47	2,31
Spiral HE volume	L	7,63	9,25	14,55
Spiral HE connection	Inch	1"	1"	1"
Spiral HE surface	m <sup>2</sup>	0,74	1,07	1,92
Spiral HE volume	L	7,58	10,92	19,56
Spiral HE connection	Inch	3/4"	3/4"	3/4"
Sensors connection	mm	Ø10 x2	Ø10 x2	Ø10 x2
Operation pressure (max)	bar	10	10	10
Operation temperature (max)	°C	95	95	95
Electrical element		3,5kW/230V	3,5kW/230V	3,5kW/230V

## COLLETTORE SOLARE

Model		FF2504
Dimensions	mm	1240X2040X89
Gross area	m <sup>2</sup>	2.52
Aperture area	m <sup>2</sup>	2.30
Absorber area	m <sup>2</sup>	2.28
Weight	kg	45
Frame	Extruded aluminum 1,3mm thickness - painted	
Back plate	Al 0,4mm thickness	
Absorber	Al high selective ALANOD Mirotherm- 0,4mm thickness	
Absorption	%	95
Emission	%	5
Manifolds	Ø m	22
Risers	Ø mm - Nr	Ø8 - 11pcs
Connections	Blank (compression joint)	
Transparent cover	3,2mm solar glass 91,8% transmittance	
Insulation	Mineral wool 40mm thickness - 40 kg/m <sup>3</sup> density	



# CONTROLLER SOLARE

M43



Nuova generazione di **regolatori solari** per impianti solari termici di medie e grandi dimensioni.

Connettività Internet tramite WiFi per assoluta controllo del sistema.



**20 varianti idrauliche**



**PT1000 sensors**



**3 relè - 4 sensori**



**Connessione WIFI**

# STAZIONE SOLARE

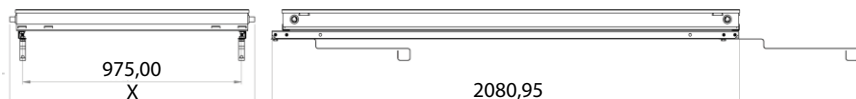
S2



**Stazioni solari** per sistemi a circolazione forzata. Disponibile come linea doppia (S2) e opzione di flusso di 2-12 l/min.

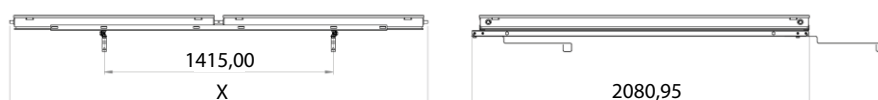
Connections	¾" male
Max pressure	6 bar
Max temperature	150C
Fluid	Water-glycol 50%
Pressure check valve opening	ΔP: 2kPa
Pump	Grundfos UPM3 Solar
Electrical	230V - 50Hz

**(FF1 -00NV) DOTAZIONE STANDARD FF160/FF200**



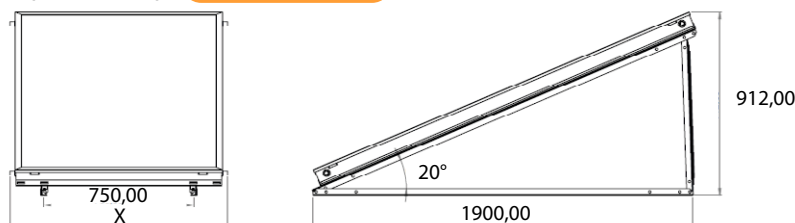
FF2004: X=1090mm  
FF2504: X=1290mm

**(FF2 -00NV) DOTAZIONE STANDARD FF300**



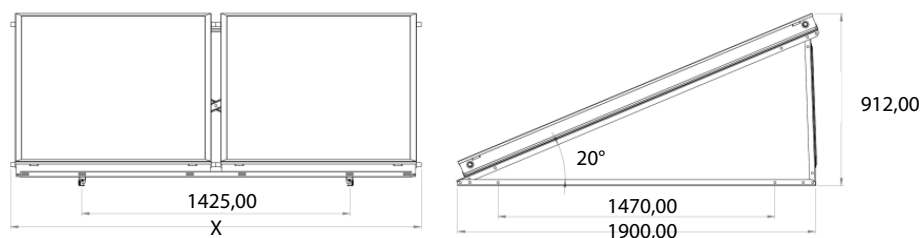
FF2004: X=2180mm  
FF2504: X=2580mm

**(FF1 -20NV) SU RICHIESTA**



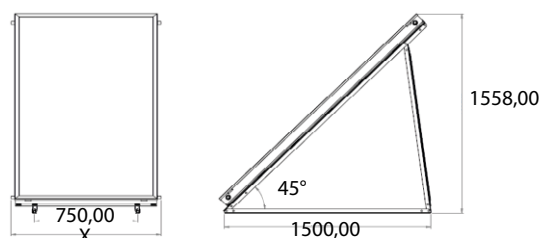
FF2004: X=1090mm  
FF2504: X=1290mm

**(FF2 -20NV) SU RICHIESTA**



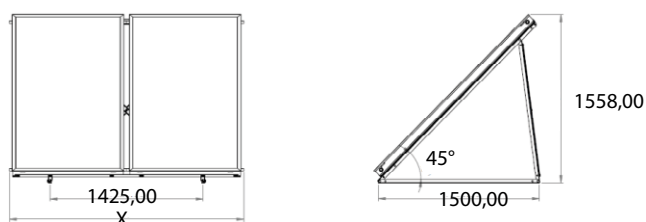
FF2004: X=2180mm  
FF2504: X=2580mm

**(FF1 -45NV) SU RICHIESTA**



FF2004: X=1090mm  
FF2504: X=1290mm

**(FF2 -45NV) SU RICHIESTA**



FF2004: X=2180mm  
FF2504: X=2580mm

Sono inclusi tutti gli accessori per il montaggio completo