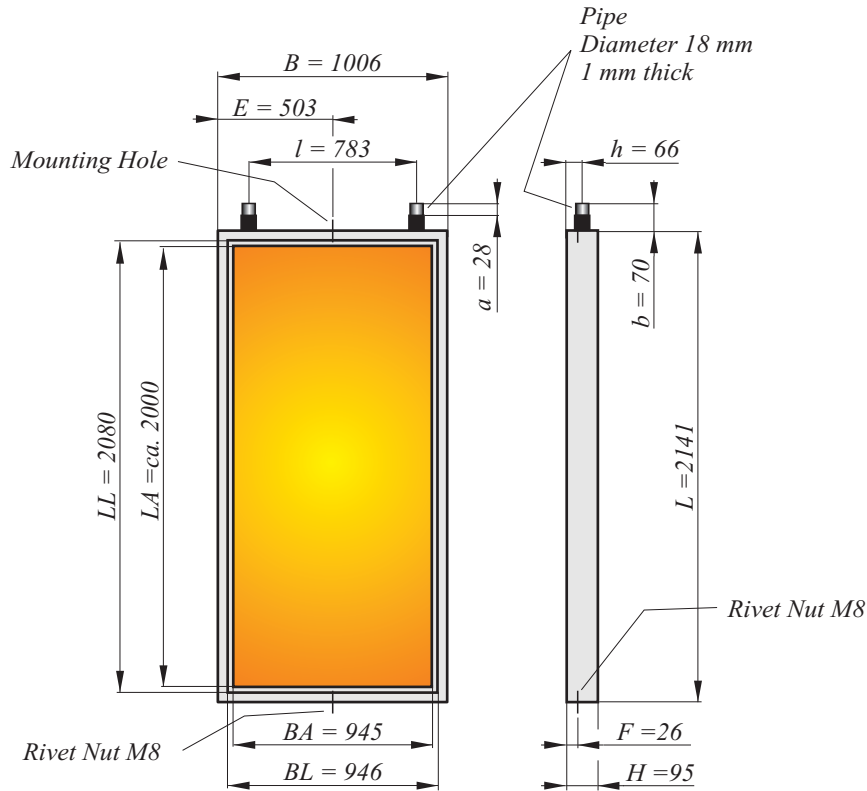
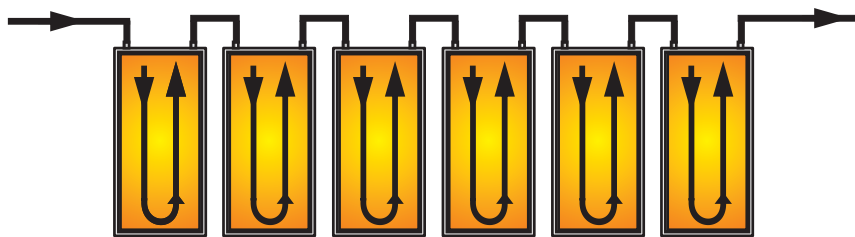


# Datasheet - FERNETT Solar Collector Type F3000



Installed for serial connection  
With a maximum of 30 collectors



<b>Casing</b> 1,5 mm thick Aluminium sheet, edged, continous weld	Length	L	2 141	mm	2,15 m <sup>2</sup>
	Width	B	1 006	mm	
	Height	H	95	mm	
<b>Area of Light Entry</b> High-Transparent, impact resistant, 4 mm thick security glass (2095 x 960 mm)	Length	LL	2 080	mm	1,97 m <sup>2</sup>
	Width	BL	946	mm	
<b>Absorbing Surface</b> Highpower Heat Exchanger made of flat pressed Stainless Steel Pipes	Length	LA	2 000	mm	1,88 m <sup>2</sup>
	Width	BA	945	mm	
<b>Mounting</b> one Aluminium Form Pipe on each side Mounting with Rivet Nut M8	Rivet Nut		M8	mm	
	Width	E	503	mm	
	Height	F	26	mm	
<b>Connections</b>	2 Pipes $\varnothing$ 18 x 1 mm				
	Length of conn.	a	28	mm	
	Connection Pipe	b	70	mm	
	Height	h	66	mm	
	Distance	l	783	mm	
<b>Total Weight without Liquid</b>		ca.	66	kg	
<b>Content</b>		ca.	5,5	l	
<b>max. Safe Pressure</b>			6	bar	
<b>max. Temperature of Non Operation</b>			136	°C	
<b>Recommended Heat Carrier Fluid</b>		1/3 Antifrogen, 2/3 Water			

## Calculating Flow for Serial Connection:

Operation in Winter :  $D = N \cdot 7$

D .... Flow in l / h

Operation in Spring, Autumn :  $D = N \cdot 16$

N .... Number of Collectors

Operation in Summer :  $D = N \cdot 30$

## Example for 10 Collectors:

Winter :  $D = 10 \cdot 7 = 70$  l/h

Spring, Autumn :  $D = 10 \cdot 16 = 160$  l/h

Summer :  $D = 10 \cdot 30 = 300$  l/h