elioTeknology .ltd

FLAT SENSORS

○ WARRANTY
10 YEARS

SENSORS	**FPC1200A**	**FPC1200D**
Total surface	2 m^2	2 m^2
Opening surface	1,86 m^2	1,853 m^2
Absorber surface	1,86 m^2	1,853 m^2
Empty weight in total	32 kg	32 kg
DIMENSIONS	2005*1003*80	2000*1000*80
Capacity of absorber	1,8L	1,66L
Working pressure	12 bars	8 bars - 12 bars max
Debit	50-300 lh	50-300 lh
Working angle	0 à 90°	0 à 90°
Circulation liquid	Glycol or Water	Glycol or Water
ABSORBER		
Matenal	Aluminium	Bluetec/Titane
Absorbtivity	95% ± 2%	95% ± 2%
Emissivity	8% ± 2%	8% ± 2%
Soldenng type	Ultrason	Laser
Surface treatment	Without treatment	Bluetec/Titane
Connection	G 3/4''	G 3/4''
GLASS	Tempered glass/ pnsm	Tempered glass/ pnsm
Thickness	4 mm	3.2 k,mm
Transmission	0,95	0,95
FRAME		
Material	Anodized aluminium	Anodized aluminium
Avaibale colors	Grey, Brown	Grey, Brown
ISOLATION		
Material	Rockwool	Glass wool
Dimensions and density	Bottom 50 mm, Border 20 mm, 35Kg/m3	δ=35mm, 35Kg/m3
Joint	EPDM	EPDM
PERFORMANCES		
a1 (W/m^2K)	5,084	4,81
a2 (W/m^2K^2)	0,0135	0,025
n0	0,718	0,76
Stagnation temp	153 C°	160.5 C°

Conception - Design - Quality

DOM Specialties:
Mechanical load test of the solar sollector according to NF EN 12975-2
article 5.9 DOM : Pfmax 5650 26Pa
Test of resistance to choc according to NF EN 12975-2
article 5.3 : maximum height : 2m no damage

DIN Geprüft

10 YEARS WARRANTY*

* Anti piercing