



Comercializam 2 tipuri de panouri solare

### 1. Standard

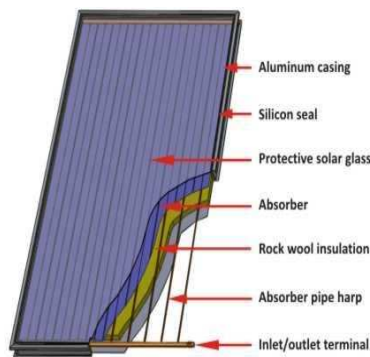
Aceste panouri sunt recomandate pentru locuri unde consumul de apa se concentreaza pe perioada Aprilie-Octombrie. In aceasta perioada panourile pot satisface necesitatea de apa calda menajera intre 80%-100%.



### 2. Selectiv

Panourile solare selective au o eficienta mai ridicata decat cele standard, de aceea se pot exploata pe toata durata anului.

Avantaje:

- Panourile se pot aseza in doua pozitii: orizontala si verticala
- Doua optiuni de racord: cu filet si racord cu inel  $\Phi 22$
- Trei dimensiuni:  $1.66m^2$ ,  $2.15m^2$ ,  $2.7m^2$
- Rezistenta hidraulica scazuta in interiorul panoului
- Sticla solara de protectie prizmatica Durasolar® P+ datorita structurii ei capteza chiar si razele solare indirecte directionandu-le direct pe absorber. Rata de absorbtie 95%, iar ce de emisie 5%. Sticla cu compozitie de fier scazut ( $FeO \leq 0.02\%$ ) are o rata de transmisie energetica mai mare decat sticla normala:  $T_{sol} = 90,7\%$
- Sticla rezistenta la intemperii.



			
Standard	Select		
Black solar coating	Selective coating "eta plus"		
1/2" male threaded sleeves	1/2" male threaded sleeves		
Standard New Line	Select New Line		
Black solar coating	Selective coating "eta plus"		
$\Phi 22$ sleeves for compression-fitting assembly	$\Phi 22$ sleeves for compression-fitting assembly		

Date tehnice:

Technical specifications:			SUNSYSTEM Standard			SUNSYSTEM Select		
			PK 1,66	PK 2,15	PK 2,7	PK 1,66	PK 2,15	PK 2,7
Overall dimensions	Width	mm	792	1000	1228	772	1000	1228
	Height	mm	2125	2125	2125	2125	2125	2125
	Depth	mm	90	90	90	90	90	90
	Frame width	mm	772	1020	1248	792	1020	1248
	Distance b/n collecting pipes	mm	2025	2025	2025	2025	2025	2025
	Overall surface	m <sup>2</sup>	1,66	2,141	2,619	1,66	2,141	2,619
	Absorber surface	m <sup>2</sup>	1,44	1,865	2,23	1,44	1,865	2,23
	Aperture surface	m <sup>2</sup>	1,41	1,897	2,34	1,41	1,897	2,34
	Volume of heat-carrier	L	1,3	1,6	2,0	1,3	1,6	2,0
	Test pressure	bar	25	25	25	25	25	25
	Max. operating pressure	bar	6	6	6	6	6	6
	Inlet / Outlet		R 1/2"	R 1/2"	R 1/2"	R 1/2"	R 1/2"	R 1/2"
	Inlet / Outlet New Line		Cu ø22	Cu ø22	Cu ø22	Cu ø22	Cu ø22	Cu ø22
	Flow rate of heat carrier	l/m <sup>2</sup> h	50	50	50	50	50	50
	Weight	kg	28	33	38	28	33	38
	Thickness of glass pane	mm	4,2	4,2	4,2	4,2	4,2	4,2
	Glass pane		Durasolar® P+			Durasolar® P+		
	Absorber pipes	pcs.	6	8	10	6	8	10
	Distance between absorber pipes	mm	114	114	114	114	114	114
	Collecting pipes	pcs.	2	2	2	2	2	2
	Case material		Powder coated Aluminum (cirs: RAL 9006/RAL 9005)			Powder coated Aluminum (cirs: RAL 9006/RAL 9005)		
	Absorber material		Copper (Cu)			Copper (Cu)		
	Absorber coating		Black solar coating			Selective coating „eta plus“		
	η <sub>p</sub> in relation to aperture	%	72,3	72,3	72,3	75	76,4	77
	Thermal loss K <sub>p</sub>	W/m <sup>2</sup> K	6,18	6,18	6,18	3,4	3,83	4,23
	Thermal loss K <sub>p</sub>	W/m <sup>2</sup> K <sup>2</sup>	0,0227	0,0227	0,0227	0,0071	0,0080	0,0035
	Insulation		Rock wool λ=0.0374 W/m.K (DIN 18165); g=30kg/m <sup>3</sup> ; δ=40mm			Rock wool λ=0.0374 W/m.K (DIN 18165); g=30kg/m <sup>3</sup> ; δ=40mm		
	Heat carrier		Propylene Glycol			Propylene Glycol		
	Stagnation temperature	°C	170	170	170	200	200	200
	Certificates		EN 12975:2006-06			EN 12975:2006-06; CEN - Keymark		

Alegerea sistemului solar pe zone geografice:

Romania se afla in zona:



Household size	Water tank	Climate	Solar panels	Solar Station	Control Unit	Accessories kit
2-3 persons	SON 150		1 x PK SL 2.15 1 x PK SL 2.7 2 x PK SL 1.66	Flow-Con RS 20/6	Delta Sol BS3	fittings: support for flat or inclined roof control unit with heat sensors expansion vessel heat carrier
3-4 persons	SON 200		1 x PK SL 2.7 2 x PK SL 1.66 2 x PK SL 2.15 3 x PK SL 2.15	Flow-Con RS 20/6	Delta Sol BS3	fittings: support for flat or inclined roof control unit with heat sensors expansion vessel heat carrier
5-6 persons	SON 300		2 x PK SL 2.15 2 x PK SL 2.7 3 x PK SL 2.15 3 x PK SL 2.7	Flow-Con RH 20/6	Delta Sol BS3	fittings: support for flat or inclined roof control unit with heat sensors expansion vessel heat carrier
6-8 persons	SON 400		3 x PK SL 2.15 3 x PK SL 2.7 4 x PK SL 2.15 4 x PK SL 2.7	Flow-Con RH 20/6	Delta Sol BS3	fittings: support for flat or inclined roof control unit with heat sensors expansion vessel heat carrier
8-11 persons	SON 500		4 x PK SL 2.15 4 x PK SL 2.7 5 x PK SL 2.15 5 x PK SL 2.7	Flow-Con RH 20/6	Delta Sol BS3	fittings: support for flat or inclined roof control unit with heat sensors expansion vessel heat carrier

