

## Colectores solares planos selectivos Insuatherm AP AL SI

**Colectores solares de ultima geração. Fabricados de excelentes materiais com tecnologia de topo.**

Elevados rendimentos devido à sua placa absorvora em alumínio revestida a óxido de titânio. Baixas perdas térmicas resultado do elevado isolamento térmico 0,035W/m grd (DIN 56612, medição a 0°C).

### Carcaça em alumínio de peça única em forma de banheira

Fabricada em alumínio naval rico em magnésio, estampado a 400 ton. Estrutura resistente e compacta. Garantia de total impermeabilidade do colector.

### Isolamento térmico ecológico de alta densidade

Isolamento com lã de rocha pré-prensada de 60mm no fundo, recoberta de tela de vidro preta para reduzir ao máximo as perdas de temperatura. Condutividade térmica do isolamento de lã de rocha: 0,035W/m grd (DIN 56612, medição a 0°C).

### Tubagens em cobre

Os "Headers" (tubos horizontais) com diâmetro 22x0,8mm e os "manifolds" (tubos verticais) com diâmetro 8x0,5mm, soldadura a prata através do método laser. Distância entre tubos = 93mm (EN 1652).

### Absorvitor selectivo

Fabricado a partir de uma única lamina de cobre com 0,2mm de espessura, recobrimento especial em oxido de titânio realizado a vácuo. Alta absorção e baixa emissividade.

### Peças em plástico especialmente desenhadas

Garantem a hermeticidade entre o colector de tubos e a carcaça de alumínio, assim como a correcta ventilação.

### Vidro solar

Temperado com baixo teor em oxido de ferro, com coeficiente estável de dilatação. Alta penetração de luz (>92%) Resistente a condições climáticas adversas ( por ex. granizos, mudanças bruscas de temperatura, etc.) ANSI Z 97-1 (EEUU), DIN 52337 (Alemanha).

### Borracha isolante do painel em EPDM

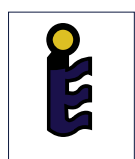
Com protecção contra raios UV.

### Elevados rendimentos

Rendimento óptico: 78%



Summary of EN 12975 Test Results, annex to Solar KEYMARK Certificate		Registration No. 8801.19/4																																																																					
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Address / Straße / Rua	15, Thessaloniki str.	Website	www.insuath.gr																																																																				
Postal Code, Place / PLZ, Ort / Code postal, Lugar	53071 Thessaloniki, Athens	E-Mail	info@insuath.gr																																																																				
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**SOLAR KEYMARK**

CARACTERÍSTICAS TÉCNICAS	AP 2000 AL SI	AP 2600 AL SI
ÁREA TOTAL (m <sup>2</sup> )	2,02	2,53
NUMERO DE TUBOS	10	13
MEIO TRANSFERENCIA CALOR:	PROPYLENO GLYCOL	PROPYLENO GLYCOL
CAPACIDADE (L)	1,75	2,12
AREA DO ABSORSOR (m <sup>2</sup> )	1,81	2,30
DIMENSÕES (mm)	2010x1010x110	2010x1260x110
PESO DO COLECTOR (sem liquido) (kg)	38	45,4
ABSORSOR	SUN - SELECTIVE	
COEFICIENTE ABSORSOR	95% +/-2%	
COEFICIENTE DE RADIAÇÃO	5% +/-2%	
PRESSÃO MAXIMA DE TESTE (bar)	15	
PRESSÃO MAXIMA DE SERVIÇO (bar)	10	
RENDIMENTO ÓPTICO (%)	78%	