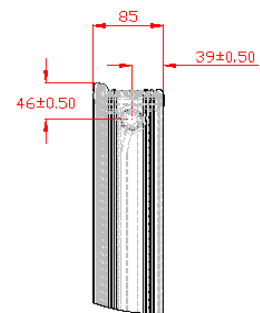


NON SELECTIVE FLAT PLATE COLLECTOR

Type	NS 1.75	NS 2.00	NS 2.50	NS 2.70
Collector Surface	1.76m ²	1.91m ²	2.31m ²	2.68m ²
Aperture Surface	1.59m ²	1.73m ²	2.12m ²	2.46m ²
Absorber Surface	1.57m ²	1.71m ²	2.09m ²	2.42m ²
Dimensions	1760x1000x86mm	1970x970x86mm	1970x1175x86mm	2145x1248x86mm
Weight	38 kg	41kg	49kg	55kg
Fluid content	1.30 lit	1,36lit	1,64lit	1,86lit

Technical Specifications

Frame	Aluminum profile powder coated. Free of screws and rivets.		
Cover	Tempered low iron prismatic glass 4 mm. 88,5 transmission		
Sealing	EPDM Rubber - Silicon		
Insulation	Rockwool 40mm (50kg/m ³) back and Glass wool 20 mm (30kg/m ³) sides		
Absorber Material	Aluminum full face sheet 0,40 mm thickness Welded to copper pipe with laser welding.		
Absorber coating	Black paint Non Selective Surface		
Absorption (α)	90% (± 0.02)		
Emissivity (ϵ)	86% (± 0.02)		
Efficiency	$\eta_0 = 72.6 \%$		
Max. working pressure	600kPa		
Max. working temperature	150°C		



A (1 : 5)