

COLLECTOR
ISOTHERM V
TUBES

TYPE	Harper grid
MANIFOLD TUBES	Copper 22 x 0.8 mm (UNE-EN 1057, UNE-EN 12165)
RISER TUBES	Copper 8 x 0.5 mm (UNE-EN 1057, UNE-EN 12165)
NUMBER OF RISER TUBES	8
DISTANCE BETWEEN RISER TUBES	125 mm
WELDING	Capillarity welding using copper, phosphorus and silver

SELECTIVE COATING

MATERIAL	Aluminium with selective coating using titanium oxide
DIMENSIONS	2000 x 1000 x 0.5 mm
ABSORPTANCE	0.95 ± 2%
EMITTANCE	0.05 ± 2%

ABSORBER

PLATE – TUBE JOINT	Laser welding
USEFUL ABSORBER AREA	2 m ²
CAPACITY	1.3 l
MAX. OPERATING PRESSURE	8 Kg / cm ²
TEST PRESSURE	16 Kg / cm ²
OPERATION WEIGHT	6.7 Kg
EMPTY WEIGHT	5.4 Kg

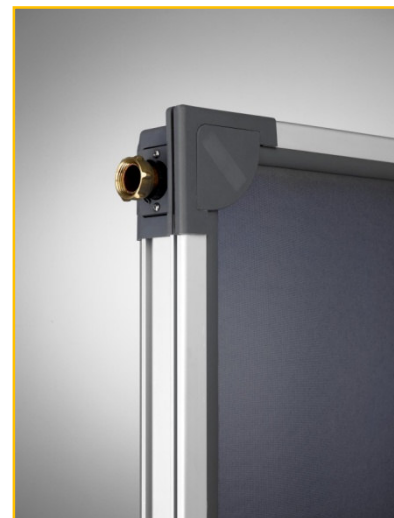


SOLAR GLASS

TYPE	Solar tempered
THICKNESS	3.17 mm
IRON OXIDE CONTENT	< 0.05 %
DIMENSIONS	2024 x 1024 mm
TRANSMITTANCE	91 %
SEALING	Silicone and Thermoplastic rubber

INSULATION

MATERIAL	Solar mineral wool
BACK THICKNESS	30 mm
CONDUCTIVITY	0.036 W / mK
BEHAVIOUR WITH WATER	Not absorbent (standard BS-2972)



CASING

MATERIAL	Anodized Aluminium
DIMENSIONS	2079 x 1081 x 80 mm
GROSS AREA	2.25 m ²

WEIGHT

OPERATION WEIGHT	39.8 Kg
EMPTY WEIGHT	38.5 Kg

OTHERS

COLLECTOR EFFICIENCY EN 12975 (based on aperture area)	η_0 : 0.75; k_1 : 3.668 W / m ² K k_2 : 0.010 W / m ² K ²
NOMINAL THERMAL POWER	1515 W
GUARANTEE	10 years
PACKAGING, N° COLLECTOR / PALLET	15 pcs.



REMARKS

- Recommended option: connection kit is composed of interconnection fittings, plugs and connection M3/4 for inlet/outlet.
- All specifications are subject to change without prior notice. For further details, please visit www.isofoton.com