

Collector-Questionnaire

Dear Customer

We ask you for some of your valuable time for filling this questionnaire. It provides us with data of your product. We need this data to carry out the tests and generate test reports that fulfill the requirements of the standards. Furthermore, the data are fed into our collector database that is used by a large number of your present and future clients.

All data are considered confidential until we have your agreement for the publication.

Contract Party (invoice recipient, contact person)

Contract party	
Contact person	
Address line 1	
Address line 2	
Country, ZIP, City	
Phone	
Mobile	
Fax	
E-Mail	

Distributor / "manufacturer" (Contact for end-user)

Company name	
Contact person	
Address line 1	
Address line 2	
Country, ZIP, City	
Phone	
Fax	
E-Mail	
www	

Producer (Real manufacturer of the product)

Company name	
Contact person	
Address line 1	
Address line 2	
Country, ZIP, City	
Phone	
Fax	
E-Mail	
www	

Product information

Model name		
Serial product (y/n)		
Price in CH	CHF per collector	price when ordering appx.10m ² of gross area
Price in D	EUR per collector	
Price in A	EUR per collector	
Marketed in whole EU?		
Other distribution regions (Macro geographical regions according to United Nations Statistics Division)*	<input type="checkbox"/> Northern Europe <input type="checkbox"/> Eastern Europe <input type="checkbox"/> Southern Europe <input type="checkbox"/> Western Europe <input type="checkbox"/> Northern Africa <input type="checkbox"/> Eastern Africa <input type="checkbox"/> Middle Africa <input type="checkbox"/> Southern Africa <input type="checkbox"/> Western Africa <input type="checkbox"/> Northern America <input type="checkbox"/> Central America <input type="checkbox"/> Southern America <input type="checkbox"/> Carribean <input type="checkbox"/> Eastern Asia <input type="checkbox"/> Central Asia <input type="checkbox"/> Southern Asia <input type="checkbox"/> South-Eastern Asia <input type="checkbox"/> Wesern Asia <input type="checkbox"/> Australia / New Zealand <input type="checkbox"/> Melanesia/Micronesia/Polynesia	
Absorber area approx.		
Date of manufacture (DD.MM.JJ)		

 *) <http://millenniumindicators.un.org/unsd/methods/m49/m49regin.htm>
Module

Hydraulic connections	
Gross size L x W x H	
Weight empty	
Fluid volume	
Other available module sizes	
Glazing demountable?	

Mounting

On flat roof with support	
On tilted roof	
Tilted roof integration	
Façade mounting	
Other	
Possible module orientation	<input type="checkbox"/> vert. <input type="checkbox"/> hor.

Operating data

Min. volume flowrate per collector	liter / hour
Rated volume flowrate per coll.	liter / hour
Max. volume flowrate per collector	liter / hour
Volume flowrate for testing per collector	liter / hour Defined by SPF when not declared
Collector orientation for test	<input type="checkbox"/> vert. <input type="checkbox"/> hor.
Maximum operation pressure	bar
Test pressure	bar (at least 1.5 x maximum operating pressure)
Heat transfer fluid	
Max. working temperature	
Other limitations	

Construction / Materials

Absorber (Flat plate collector / Evacuated tube collector with absorber fins)	
Manufacturer	
Type of absorber	<input type="checkbox"/> Fin <input type="checkbox"/> Plane <input type="checkbox"/> Cushion – Absorber, Other:
Flow type	<input type="checkbox"/> Parallel <input type="checkbox"/> Meander/serial <input type="checkbox"/> Heatpipe <input type="checkbox"/> Other:
Material	
Weight empty (absorber)	
Sheet thickness	
Absorber tube dimensions	Outer diameter: mm x Wall thickness: mm
Bonding Technique	<input type="checkbox"/> Soldered <input type="checkbox"/> Ultrasonic welding <input type="checkbox"/> Laser welding <input type="checkbox"/> Plasma welding <input type="checkbox"/> Other:

Absorber (Evacuated tube collector with double glass tubes)	
Manufacturer	
Flow type	<input type="checkbox"/> Heatpipe <input type="checkbox"/> Direct flow
Tube diameters	Inner Tube: / mm Outer tube: / mm
Reflector / CPC?	

Coating of Absorber	
Manufacturer	
Coating	$\alpha =$ $\varepsilon =$

Hydraulic scheme and connection diagram	
Internal pipeworking scheme of the collector. Hydraulic connection of the collector (In- and Outlet)? (Description or sketch)	

Glazing (Flat plate collectors)	
Manufacturer	
Material	
Product name	
Thickness	

Insulation and box	
Insulation on rear side (Flat plate collector) / Insulation in manifold casing (Evacuated tube collector)	
Material	
Thickness	
Density in kg/m ³	
Insulation on sidewalls	
Material	
Thickness	
Density in kg/m ³	
Frame (Flat plate collector) / Casing (Evacuated tube collector)	
Material	
Thickness	
Surface finish	<input type="checkbox"/> Anodised <input type="checkbox"/> Lacquered <input type="checkbox"/> Powder coated Other:
Sealing Materials	

Ventilation concept	
Where are the ventilation openings? (Description or sketch)	

Comments on the collector construction / Comments on the installation / Other comments

Important: Please send us the installation manual for your collector.
(if possible as pdf-file to collectors@solarenergy.ch)

With my signature I confirm the correctness of the above data.

DateSignature.....