

VarioSol A

The variable wide-area solar collector for on-roof-mounting

The wide-area collector **Winkler VarioSol A** is your prime solution for on-roof-mounting. Perfect design with a bolt-free surface and the choice of light or dark finish of the frame makes the use of solar energy even optical attractive.

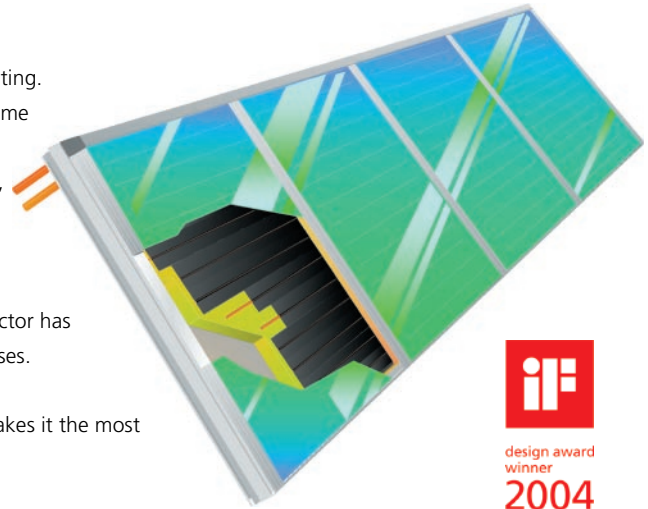
Elements built up in up to 24 m² in a single piece provide high efficiency in mounting, the position of the tube connections can freely be defined on each collector, thus the shortest possible way to the storage tank is guaranteed.

Even customised formats are available in almost any size and at reasonable prices.

Our wide-area-technique also provides high efficiency in heat output: One large collector has much less frame lengths than many small collectors, and thus much reduced heat losses.

We optionally offer the **Winkler VarioSol A** with anti-reflective solar glass, which makes it the most efficient SPF-tested wide-area collector available.

Its heat output per square meter even exceeds many vacuum-tube collectors!



design award
winner
2004



Winkler VarioSol A wide-area collectors come up with highest expectations.

Efficiency up to 84% makes the state-of-the-art concerning energy output.

The SWISS QUALITY LABEL of SPF Rapperswil proves the high quality of the **Winkler VarioSol A**, which means a neutrally tested life-expectation of more than 20 years.

And the outstanding design quality of this product is shown by the if-design award 2004, making solar energy an interesting part of modern architecture.

Accessories:

For **Winkler VarioSol A** collectors we provide any kind of mounting material and fittings you need for on-roof-mounting, free field arrangement and wall mounting. Individual production and highest quality of workmanship will convince you.

The data at a glance:

Sizes: 3,75 to 24 m² in a single piece (heights up to 3 m, lengths up to 8 m)

Weight: approx. 30 kg/m²

Frame: aluminium-hollow-profil, anodized (light) or dark varnished
backside alu-stucco

Covering : Solar glass 4 mm, tempered, structured, optional anti-refelctiv surface

Absorber: SKYTECH SC, selective surface, copper

Insulation: rock wool 55 mm, additional insulation of the frame

Tube connections: copper ø22 mm

Pressure: approx. 3,5 bar (recommended)

Efficiency: Report-No. C566 (SPF Rapperswil), $\eta_0=0,84$, $a_1=3,20$ W/m²K, $a_2=0,0155$ W/m²K² (VarioSol A-antireflex)

Report-No. C567 (SPF Rapperswil), $\eta_0=0,81$, $a_1=3,40$ W/m²K, $a_2=0,0131$ W/m²K² (VarioSol A)

VarioSol A made for:

- on roof-mounting
- free-field arrange
- balcony mounting
- wall mounting