

Opportunities of application



Power: ca. 6 kWp
 Number of tubes: 60 direct ?ow (Power tubes)
 Storage: 800 l
 Place: single family home in Kekava, Latvia
 Application: heating support an domestic water heating
 Type of mounting:Facade



Power: ca. 6 kWp
 Number of tubes: 4 x 15 direct ?ow (Power tubes)
 Storage: 500 l
 Place: single family home in Laichingen
 Application: domestic water heating heating
 Type of mounting: balcony



Power: ca 6 kWp
 Number of tubes: 60 heat pipe (Power tubes)
 Place: single family home Meppen
 Storage: 750 l combi storage
 Application: domestic water heating and heating support
 Type of mounting:roof mounting



Power: ca. 310 kWp
 Number of tubes: 3100 direct ?ow (Power tubes)
 Place: Deutsche Telekom AG, Rottweil
 Application: solar cooling (computer center)
 Type of mounting:rack with horizontal tubes



Power: 84 kWp
 Number of tubes: 840 direct ?ow (Power tubes)
 Place: Meppen
 Application: painter´s shop in Meppen, Germany
 Type of mounting:roof assembling

Make use of our full service!

- free consulting
- planning of the solar system
- development of energy concepts
- all system components from a single source
- delivery directly to your place

How to use our service?

- Please contact us: info@akotec.eu
- Either you download our planning sheet on our homepage or we send it to you.
- Please send us back the filled out planning sheet.
- You receive an offer with all essential system elements.



„Finally, a collector does not have to hide anymore because of its symmetrical design. We save time and money and our clients are totally satisfied. All tests and the manufacturing take place in Germany. This convinces me!“

Installer for Heaters and Sanitary
 Michael Felgentreu

handed out from:

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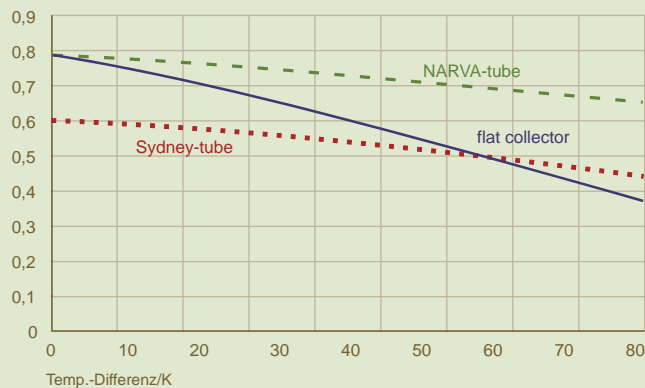
Process Heat



Quality „Made in Germany“ - more than 25 years stable energy yields

- 100 % Made in Germany: collector and full vacuum tube produced in Germany
- 20 year warranty
- collectors are TÜV-tested and they have the Solar Keymark
- overheating protection - physical shut down function of the heat pipe tube at 100 °C
- perfect alignment to the sun and flat roof mounting without elevation possible because of 360 ° rotability of the tubes
- flat facade assembling possible - perfect for areas with snow
- 4 times higher efficiency than photovoltaic
- only at AkoTec: double-coated Power tubes - useful on a white wall or tin roof, because of reflection up to 40% more performance
- distance between tubes are always the same - many collectors can be connected gapless
- collector top- and footcase are available in 213 RAL colors - perfect adaption to roof or wall
- easy, quick and nearly toolfree one-man assembly because of Quick-Clip connections

efficiency of different collectors/tubes



Set Optimal Energy Standards

heat pipe



peak performance of OEM Vario 3000 – 30 hp: 3014 W_{peak}

in tube integrated overheating protection at 100 °C

dry connection of the tube with the manifold - easy exchange of tubes

possibilities of assembling
assembling angle 5° - 75°
roof
rack
collector needs to get assembled vertical



direct flow

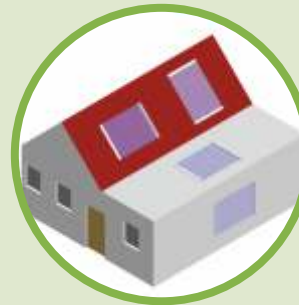


peak performance of OEM Vario 3000 df: 3312 W_{peak}

self-supporting construction - no need for an expensive rack

easy assembling and exchange of the tubes through plug-in-connections

possibilities of assembling
flat roof
pitched roof
facade
balcony
rack

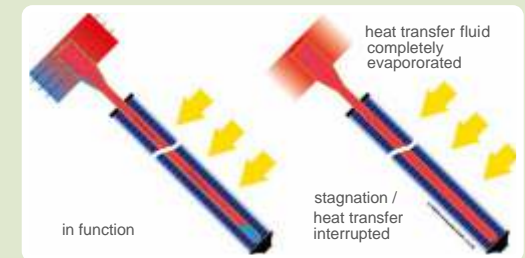


Unique and Overheating-protected

100 °C heat pipe Full-Vacuum Tube

Product Advantages:

- inherently safe: no stagnation management necessary
- purely physical cut-off: no deterioration of building elements
- temperature limit avoids dangerous steam strokes (cavitation)
- cut-off temperature 100 °C
- size of expansion vessel 60% smaller than at collector systems with high stagnation temperatures
- auxiliary vessel is not necessary
- absorber and heat transfer tube are protected by vacuum
- patented glass-to-metal connection enables 20 years stable vacuum
- Power tubes available (absorber coated both sides)
- high efficiency factor
- weather-resistant nano coating for high hail resistance (hail Impact test EN12975-2 TÜV Rheinland)



Cut-off on the principle of NARVA functioning

Area of Application

- heating support and domestic water heating
- Process heat
- 100 % solar heating and hot water preparation