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| SOLAR-RIPP® Materials | header tube and gasket: UV/chlorine-/salt-resistant special plastic <i>PROPYSOL</i> solar tube: UV/chlorine-/salt-resistant special plastic <i>PROPYSOL</i> spacer: UV/chlorine-/salt-resistant special plastic <i>PROPYSOL</i> |
| Available sizes | 5 m ² to 2000 m ² , rectangular and irregular shapes |
| Collector efficiency factor η_{0a} | 0,917* |
| Therm. collector capacity C_{eff} | 4250 (Ws/m ² K) |
| Collector efficiency factor b_{ua} | 0,082 (s/m)* |
| Collector efficiency factor b_{1a} | 38,305 (W/m ² K)* |
| Incident angle modifiers IAM | 0,96 |
| Incident angle modifiers | 1,22 at 50° \angle * |
| Peak capacity W_{peak} | 917 W/m ² (En=1000 W/m ²)* |
| Solar tube surface | 3.2 m ² /m ² (rib design) |
| Flow rate | 100 to 250 l/(m ² h) |
| Pressure loss | 4,8 Pa/m at 100kg/h* |
| Weight | empty 2,5 kg/m ² filled 14 kg/m ² |
| Therm. linear extension factor | 0,00016 K ⁻¹ |
| Pressure resistance, outside | 15000 N/m ² (step proof) |
| Pressure resistance, inside | 250 kPa at +40°C, 400 kPa at +20°C |
| Header outside diameters | Ø 50, 63, 75, 90, 110mm ... |
| Solar tube diameters | Ø 25 mm outside (parallel middle axis distance 35mm) |
| Header - System connections | private pools: Ø 50 mm tube hose connection hotel/public pools: Ø 63, 75, 90, 110mm ... |
| Heat resistance | -35° to +120°C (before the frost period please empty the system) |
| Stagnation temperature | +55° to +60°C (near equator) |
| Mounting options | ground, wall, fence, flat roof, sloping roof (always without shadow) |
| Certified in 2008 | * DIN EN 12975-1,2 at approved DIN CERTCO testing laboratory TZSB / izes (DE) |
| Special features | rodent bite resistant materials, high wind resistance, step proof easy assembly - no tools required |



Technical Specifications

