

Technical Specifications – 8 tube direct flow

This high efficiency collector is evacuated direct flow which utilises thermo-compression sealing technology to prevent heat losses and to provide protection from corrosion. The collector uses an aluminum nitride absorber plate ensuring exceptionally high solar performance.

The collector's unique design allows for each tube to be individually turned to optimum position (30 degrees) allowing the system to achieve maximum efficiency throughout the year. This feature allows for integration into balconies, facades or horizontal installations on flat roofs. This not only delivers high efficiency but allows for the best integration into building design.

Key Benefits

- High Performance
- Flexible installation angle
- Direct Flow heat transfer
- Aesthetically pleasing
- Cost effective
- High reliability
- Advanced technology
- Durable construction
- Low maintenance
- 15 years guarantee

Model:

Household size
No of tubes
Certifications

Seido 2-8

2-4 persons
8
BS, CE, ISO 9001: 2000, Solar
Keymark, EN12975, Din Certo
Independent Testing
160 Litres (twin coil)

Hot water tank requirement

Domestic hot water
(assuming south east location @ 72% efficiency)

Technology
Total length (mm)
Total width (mm)
Total height (mm)
Total Weight (Kg)
Gross absorb Area (m²)
Absorber area (m²)
Pressure drop
Fluid content per module
Flow and Return entry size (mm)

960Kwh/annum
Direct flow vacuum tube
2126
960
150
50Kg
2.04
1.4
>7 mbar (100L/h)
1.3L
22

Tubes:

Glass quality
Wall thickness (mm)
Glass tube diameter (mm)
Transmittance
High vacuum, long-term stability
Absorber Material
Selective coating
Absorption
Emittance

Borosilicate
2.5
100
>0.90
<10 \pm mbar
Aluminium
Aluminium nitride
>0.92
>0.08

Manifold (Header Box)

Material
Box size (mm)
Insulation
Max operating pressure
Stagnation temperature, module
Stagnation temperature, tube
Connection

Aluminium
958 x 108 x 126
Polyurethane foam
6 bar
190 degrees C
276 degrees C
Compression fitting

