

## Technical Specifications – 16 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 2-16

4-6 persons  
16  
BS, CE, ISO 9001: 2000, Solar  
Keymark, EN12975, Din Certo  
Independent Testing  
300 Litres (twin coil)

Hot water tank requirement

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

1920Kwh/annum  
Direct flow vacuum tube

Technology

2126

Total length (mm)

Total width (mm)

1920

Total height (mm)

150

Total Weight (Kg)

100Kg

Gross absorb Area (m<sup>2</sup>)

4.08

Absorber area (m<sup>2</sup>)

2.8

Pressure drop

>20 mbar (200L/h)

Fluid content per module

2.6L

Flow and Return entry size (mm)

22

### Tubes:

Glass quality

Borosilicate

Wall thickness (mm)

2.5

Glass tube diameter (mm)

100

Transmittance

>0.90

High vacuum, long-term stability

<10  $\pm$  mbar

Absorber Material

Aluminium

Selective coating

Aluminium nitride

Absorption

>0.92

Emittance

>0.08

### Manifold (Header Box)

Material

Aluminium

Box size (mm)

1918 x 108 x 126

Insulation

Polyurethane foam

Max operating pressure

6 bar

Stagnation temperature, module

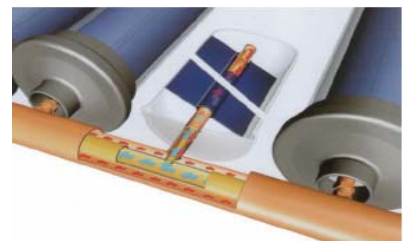
190 degrees C

Stagnation temperature, tube

276 degrees C

Connection

Compression fitting



Model pictured above: Seido 2-8

