

EDS[®] Evacuated Tube Solar Collector

8046648 (46530-10)

FESTO

LabVolt Series

Datasheet



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General Description

Ideal for indoor demonstrations of the working principle of direct-flow evacuated tubes. This model allows students to heat water that circulates through the tubes using a powerful lamp and observe the effect on the water temperature. Water can be easily drained from the tubes by tilting the assembly around its central axis.

Specifications

Parameter	Value
General parameters	
Number of Tubes	6
Average Efficiency	65%
Temperature Range	-40°C to 60°C (-40°F to 140°F)
Max. Operating Pressure	600 kPa (87 psi or 6 bar)
Tilt Angle	45°
Inlet and Outlet Diameters	1.3 cm (0.5 in)
Manifold	
Outer Material	Aluminum alloy
Insulation	PUF and rock wool
U Pipe	
Material	Copper
Diameter	8 mm (0.31 in)
Thickness	1 mm (0.04 in)
Vacuum Tube	
Size	47/1500 mm (1.85/59.05 in)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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