

<b>Oventrop Solar Technical Data</b>	<b>OVSOL 5-8</b>	<b>OVSOL 5-16</b>
Design	Evacuated Tube with Heat Pipe	Evacuated Tube with Heat Pipe
Dimensions (LxWxH)	2160 x 960 x 180 mm	2160 x 1920 x 180 mm
	85 x 38 x 7 inches	85 x 76 x 7 inches
No of Tubes	8	16
Vacuum Tube Glass Material	high quality borosilicate	high quality borosilicate
Wall Thickness	0.098 inches (2.5mm)	0.098 inches (2.5mm)
Tube Outside Diameter	4 inches (100 mm)	4 inches (100 mm)
Tube Length	78.74 inches (2000 mm)	78.74 inches (2000 mm)
Tube Weight	10.14 lbs (4.6 kg)	10.36 lbs (4.7 kg)
Hailstone Resistant to	1.378 in (35mm) dia	1.378 in (35mm) dia
Vacuum	< 75 <sup>-7</sup> torr (10 <sup>-5</sup> mbar)	< 75 <sup>-7</sup> torr (10 <sup>-5</sup> mbar)
Collector Surface Area	22.28 ft <sup>2</sup> (2.07 m <sup>2</sup> )	44.67 ft <sup>2</sup> (4.15 m <sup>2</sup> )
Absorber Surface Area	15 ft <sup>2</sup> (1.4 m <sup>2</sup> )	30.14 ft <sup>2</sup> (2.8 m <sup>2</sup> )
Angle of Inclination	15-90°	15-90°
Module Weight	110 lbs (50 kg)	220 lbs (100 kg)
Pressure drop per module @ 0.44 gpm (100 L/h)	0.17 ft H <sub>2</sub> O (5 mbar)	0.34 ft H <sub>2</sub> O (10 mbar)
Test Pressure	145 psi (10 bar)	145 psi (10 bar)
Operating Pressure to	87 psi (6 bar)	87 psi (6 bar)
Fluid Content	0.13 gal (0.48 L)	0.25 gal (0.96 L)
Absorber Material	Aluminum	Aluminum
Coating	Aluminumnitride	Aluminumnitride
Absorption Coefficient	> 92%	> 92%
Emission Coefficient	< 8%	< 8%
Max Temperature (module)	374 F (190 °C)	374 F (190 °C)
Typical Operating Temperature	158-248 °F (70-120 °C)	158-248 °F (70-120 °C)
Stagnation Temperature (pipe)	477 F (247 °C)	477 F (247 °C)



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