

## Freezing Point of Aqueous Antifreeze Solution (manual)

ASTM D 1177, NF T78-102

**Product group(s):** Cold Behaviour, Fuel

**User group(s):** Airports & Aviation, Jet Fuel, Petroleum

**Scope:** This test method covers the determination of the freezing point of an aqueous engine coolant solution in the laboratory.



### Freezing Point Test Equipment

More details are mentioned in the "Order Number" section

### Main Unit

<b>13-2460</b>	<b>Freezing Point Apparatus for engine antifreeze</b> ASTM D 1177 - NF T78-102
	<p><u>Consisting of:</u></p> <ul style="list-style-type: none"> <li>1 cooling bath</li> <li>1 freezing-tube</li> <li>1 electrical stirring mechanism</li> <li>1 spiral stirrer</li> <li>1 stand</li> <li>1 each of thermometers ASTM 75 F and ASTM 76 F</li> </ul> <p>Power supply: 230 V, 50 Hz</p>

### Spare Parts

<b>90-0176</b>	<b>Thermometer ASTM 75F</b> Range: -35 to +35 : 0.5 °F Length: 408 mm, Immersion: 100 mm, Ø 6.5 mm
<b>90-1176</b>	<b>Thermometer ASTM 75F</b> Range: -35 to +35 : 0.5 °F (officially certified)
<b>90-0177</b>	<b>Thermometer ASTM 76F</b> Range: -65 to +5 : 0.5 °F Length: 408 mm, Immersion: 100 mm, Ø 6.5 mm
<b>90-1177</b>	<b>Thermometer ASTM 76F</b> Range: -65 to +5 : 0.5 °F (officially certified)
<b>13-2462</b>	<b>Dewar Freezing-Tube</b> 200 ml, unevacuated and unsilvered
<b>13-2463</b>	<b>Cooling Bath</b>

**Order Guideline**

Minimum equipment:

1x 13-2460

Spares (approx. 1 year):

13-2462, Thermometer

Additional requirements: