

## Fluidity of Lubricating Oils - U-Tube Method (manual)

DIN 51568

**Product group(s):** Oil

**User group(s):** Lubricating Oil

**Scope:** The test by the U-tube method shows the temperature, at which a lubricating oil will still flow under the defined conditions. There is no correlation between the pour point and the fluidity.

The fluidity is characterized under constant overpressure rate and in dependence on the temperature by the rising rate of the lubricating oil.



### Fluidity Test Equipment

More details are mentioned in the "Order Number" section

### Main Unit

<b>16-0252</b>	<b>Fluidity Testing Assembly</b> DIN 51 568
	<u>Consisting of:</u> dewar flask with metal base, 4 liters capacity, four-place insulating cover, 4 supporting lids for U-tubes, filling pipette, thermometer DIN 12 775 (-30 ... +50 : 0.5 °C)
	<u>Overpressure Device:</u> Consisting of: glass jar with funnel and load weight, manometer tube, hose connector with three cocks, stand with clamp and bosshead
	Power supply: 230 V, 50/60 Hz

### Spare Parts

<b>16-0260</b>	<b>Lid for dewar flask</b>
<b>16-0261</b>	<b>U-Tube, graduated 0 ... 50 mm</b>
<b>16-0262</b>	<b>U-Tube, graduated 0 ... 50 mm, pack of 10</b>
<b>16-0263</b>	<b>Supporting Lid for U-tube</b>
<b>16-0267</b>	<b>Manometer Tube, graduated 0 ... 100 mm</b>
<b>16-0268</b>	<b>Funnel for the overpressure device, Ø 120 mm</b>
<b>16-0269</b>	<b>Load Weight for funnel</b>
<b>16-0270</b>	<b>Container with lid, Ø 150 mm, made of borosilicate for overpressure device</b>

16-0271	Hose Connector with 3 cocks
16-0272	Pipette, 5 ml
16-0273	Indicator Ball, Ø 5.5 mm
20-0118	Dewar Cooling Bath with metal base, 4 liters capacity
16-0264	Thermometer DIN 12 775 Range: -30 to +50 : 0.5 °C
16-0265	Thermometer DIN 12 775 Range: -30 to +50 : 0.5 °C (officially certified)

### Order Guideline

Minimum equipment: 1x 16-0252  
Spares (approx. 1 year): 16-0270, Thermometer  
Additional requirements: