

Ageing Stability according to Baader

DIN 51554-1, DIN 51554-2

Product group(s): Oil

User group(s): Oil, Power Plant

Scope: The ageing test according to Baader is a short test to make a prediction concerning the presumable operating characteristics of petroleum oils.



Baader Test Equipment

to be composed of:

- Baader Ageing Apparatus, 6-place
- Circulation Air Oven

Main Unit

16-0750 Baader Ageing Apparatus, 6-place
DIN 51 554-1 + 2

Consisting of:

well-insulated metal housing and heating ingot of light-metal with 6 openings and well for a control thermometer, electronic temperature control within the range of 90 ... 120 °C, stroke device with counter, operated by a geared motor making 25 strokes/min and including 6 sets of glass test vessels.

Power supply: 230 V, 50 Hz

16-0749 Baader Ageing Apparatus, 6-place
Like 16-0750 but:

Power supply: 115 V, 60 Hz

17-0802 Circulation Air Oven



Consisting of:

thermostatically-controlled, includes of 2-hours & permanent time switch, thermometer for temperature inspection and perforated intermediate bottom.

Important: Not explosion protected!

Technical Data:

Temperature range: +60 to +200 °C

Temperature constancy: +/- 2-3 K

Capacity: 14 l

Inner dimensions (W x H x D): 19 x 20 x 36 cm

Outer dimensions (W x H x D): 31 x 38.5 x 47 cm

Weight: 17 kg

Power supply: 230 V, 50/60 Hz

17-0804 **Circulation Air Oven**
 Like 17-0802 but:
 Power supply: 115 V, 50/60 Hz

Options & Accessories

16-0761 **Thermometer**
 Range: +90 ... +150 : 0.2 °C (officially certified)

16-0762 **Thermometer**
 Range: +48 ... +102 : 0.1 °C

16-0763 **Thermometer**
 Range: +98 ... +152 : 0.1 °C

50-4008 **Sand Paper, 180 grit**

Spare Parts

16-0755 **Glass Test Vessels**
 Consisting of:
 Liebig condenser, test tube and catalyst coil holder

16-0756 **Liebig Condenser with standard taper joint**

16-0757 **Catalyst Coil Holder**

16-0758 **Test Tube with standard taper outer joint**

16-0760 **Thermometer**
 Range: +90 ... +150 : 0.2 °C

16-0764 **Winding Device for preparation of catalyst coils**

16-0765 **Metal Test Specimens
 for Baader Oil Ageing Stability**
 DIN 51 554

Material/Composition: Copper electrolytic
 E-Cu 20-2
 Dimension: Ø 2 mm x 300 mm
 Pack/Set: 30

Order Guideline

Minimum equipment: 1x 16-0750, 1x 17-0802
 Spares (approx. 1 year): 1x 50-4008, 3x 16-0755, 3x 16-0756, 3x 16-0758,
 1x 16-0765

Additional requirements: