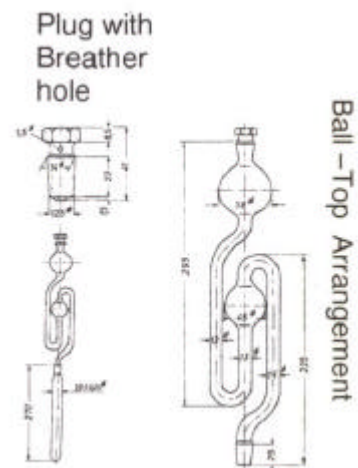
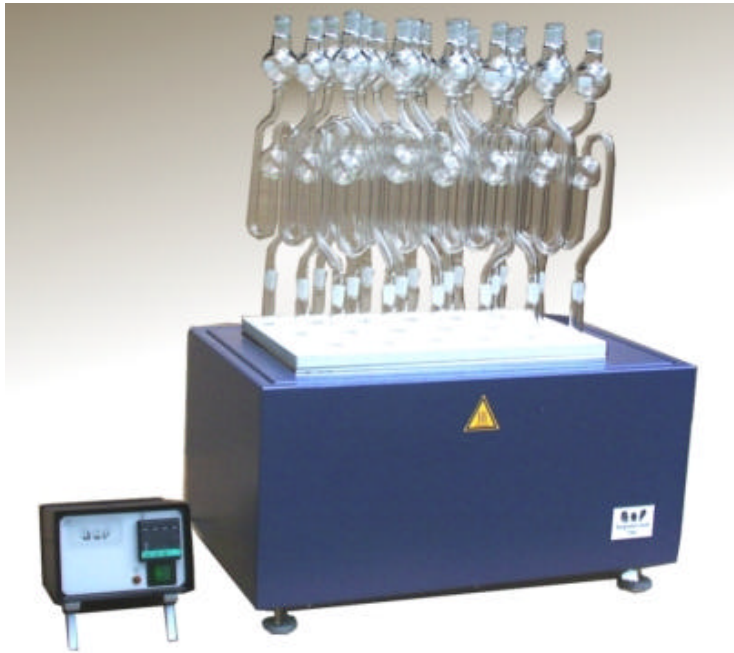


## Bergmann-Junk Test

Apparatus for determining the thermal stability of nitro-cellulose and other nitrocompounds, single and double base propellants to the Bergmann-Junk Test at 120 or 130°C.



### The equipment is consisting of:

- Heavy aluminium heating block, electrical heated; ISO insulation plate 18 holes 20mm diam., depth 200 mm; temperature sensor: PT 100 probe; excess temperature safety device
- Programmable heating controller (PID) in a separate control box, length of the power cable: appr. 2m; digital display for actual and set temperature; control accuracy  $\pm 0.1^\circ\text{C}$ ; adjustable temperature range:  $60^\circ\text{C} \dots 140^\circ\text{C}$
- Set of 18 test tubes consisting of the cylindrical test tube with ground-in neck and ball-top arrangement; dimensions of test tubes: diam.  $19.0 \pm 0.5 \text{ mm}$  x  $270 \pm 2 \text{ mm}$
- Special rack for handling the test tube during filling, attachment of the ball-top or intermediate storage before titration
- Special daylight lamp for better detection of nitrous vapours; special fluorescent lamp providing non-dazzling illumination; solid support stand for exact positioning of the lamp

Main connections: 230 V / 50 – 60 Hz

Optional Accessory: 250 ml Tashiro indicator for a volumetric determination of the total acids separated