

Heating Block Thermostat Vacuum Test

Apparatus for determining the thermal stability of nitro-cellulose and other nitro-compounds, single and double base propellants according to the MIL-STD -286C method 403.1.3 and STANAG 4556, Procedure 1, Vacuum Stability Test. (manometer method)

The equipment consists of:



- Heavy aluminium heating block, electrical heated; 15 holes 15.75 mm \varnothing , depth 125 mm; temperature sensor: PT100 probe; excess temperature safety device 150°C
 - Programmable heating controller (PID) in a separate control box, length of the power cable: appr. 2 m; digital display for actual and set temperature; control accuracy: $\pm 0.1^\circ\text{C}$; max. adjustable temperature: 135°C
 - Set of 15 test tubes consisting of the cylindrical test tube with mercury collar, capillary tube with mercury cup; dimensions of test tube: $\varnothing 15\text{ mm} \times 155\text{ mm}$
 - Rack for filling glass assembly with mercury
- Mains connections: 230 V / 50 Hz 1800 VA



- Vacuum pump IP44
4 stage diaphragm pump
max. vacuum : 0.6 mbar
max. suction capacity:
13l/min

