

Automatic Ring And Ball Apparatus

Make: LabTek

Model: SUN-BT-024

Origin: India

Standards: EN 1427; ASTM D36; AASHTO T53

Specification: The Automatic Ring and Ball Apparatus is an innovative microprocessor controlled automatic tester which is used to determine the softening point of bituminous materials using water or glycerol as the heating fluid. The softening point determines a disk of the sample held within a horizontal ring is forced downward a distance of 25.4 mm under the mass of a steel ball as the sample is heated at a prescribed rate in a water or glycerine bath.

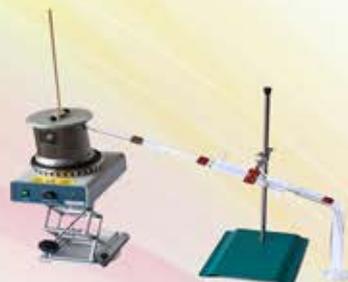
The softening point is taken by two suitably positioned light barriers and the temperature is measured by a PT100 sensor. A uniform temperature distribution in the vessel is maintained by a magnetic stirrer, equipped with an adjustable speed control system and the temperature gradient is strictly maintained during the test by the electronic system conforming to the relevant standards.

The apparatus consists of a heater, cooling system, electric lifting system, and magnetic stirrer with speed control, temperature probe, glass beaker, ring and ball support, brass ring with steel ball and ball centering guides (2 pcs. each), light barrier system, microprocessor system and large graphic display with touch screen, RS 232 C port for PC or printer.

Dimensions: 530x300x280 mm

Weight (approx.): 16 kg

Power: 750 W



Cut Back Bitumen Distillation Equipment

Make: LabTek

Model: SUN-BT-025

Origin: India

Standards: ASTM D402; AASHTO T78

Specification: The apparatus consists of a heavy gauge shield, lagged with asbestos cover in two parts and wire gauge. The shield is supported on a platform with chimney arranged for fitting to stand. Complete with one distillation flask of 500 ml and one 100 ml crow receiver but without thermometer. Electric hot plate heated with energy regulator. Thermometer ASTM 8°C – 2 to +400°C SUBD. 1°C.

Dean and Stark Apparatus

Make: LabTek

Model: SUN-BT-026

Origin: India

Standards: ASTM D95, ASTM D244, EN 1428, IP 74,

The simple, smart design of Analytical Instruments' Dean & Stark distillation system ensures compliance with ASTM D95, ASTM D244, EN 1428, and IP74, for determining the water content up to 25% of petroleum products, tars, emulsified asphalts, and other bituminous materials via distillation method. This labor-reducing apparatus works to easily extract vaporized water and oil from the test solvent for later condensation, collection, and measurement.

Unparalleled in performance, the durable distillation unit contains an electric mantle heater with steel rod and clamp for increased stability during the quick and safe boiling of liquids, a 500 ml graduated flask for accurate measurement of collected fluids, a 400mm Liebig condenser for the quick cooling and condensing of liquids, and a graduated 5 ml receiver with conical type A" graduated bottom tube (0- 1.0:0.1) with standard 29/32 tapered joints. Additional accessories are available in various measurements to suit all your testing needs.

Dean & Stark distillation unit in standard single, double, or triple-position models, providing an ideal solution for both demanding and routine sampling applications.

