

Potter Precision Laboratory Spray Tower

A laboratory spraying apparatus designed to give an even deposit of spray over a circular area 9cm in diameter



Suitable for studying the biological effects of chemicals both when applied as a direct spray on the organism or as a residual film.

This design incorporates more recent developments from Rothamstead Experimental Station, Harpenden, Herts, England, including the following: quickly detachable atomizers, pneumatically operated spray table and all air controls mounted on attached instrument panels. A 0-2kg/cm² pressure gauge is fitted as standard equipment.

Construction and Equipment Details

Frame Manufactured from extruded Aluminium Alloy section in pleasing self colour finish of light and durable construction.

Spray Table Precision made Alluminium Alloy spinning with high finish internally and matt external surfaces, positioned centrally by three screws mounted on the intermediate platform.

Nozzles Units supplied in pairs as standard equipment for Intermediate and Final spraying. Manufactured to close tolerance giving an accurate spray formation, with stainless steel jet and pick-up tube. Fully adjustable assembly for level and centralising over the spray tube.

Spray Table Adjustable for height within the piston of the air cylinder and fitted with eccentrics to the test platform for positioning the specimen dish beneath the spray tube.

Air Pressure Constant supply of 1.5-2kg/cm² through the input connection controlled by an on/off switch and exhaust valve.

Fine adjustment is made by a sensitive needle valve on the left hand side of the instrument giving direct reading on the pressure gauge, or manometer (which is supplied as an extra). This pressure operates the air jack and nozzle head simultaneously.

Manometer Provision is made at the rear of the instrument to accommodate the use of a manometer if required.

Level Four screwed feet in the base of the instrument provides easy levelling in conjunction with the spirit level on the intermediate platform.

General Specification

Height	122cm
Width and depth	36cm
Diameter of spray tube:	
Top Flange	15.7cm
Bottom Flange	11.9cm
Max. diameter of specimen dish on table	11cm
Max. working pressure	2kg/cm ²
Capacity of reservoir	24cc
Shipping weights:	
Nett	21kg
Gross	32kg
Volume Metric	52kilos

Extra Equipment

Manometer
Portable Air Compressor complete with couplings and pressure valves



**Sole Manufacturers
and Exporters**

**Burkard
Manufacturing
Company
Limited**

UK and Export Sales Division
Woodcock Hill Industrial Estate
Rickmansworth
Hertfordshire WD3 1PJ
England

Telephone: +44 (0)1923 773134/5
Fax: +44 (0)1923 774790
E-mail: sales@burkard.co.uk
Website: www.burkard.co.uk