POTTER PRECISION LABORATORY SPRAY TOWER
AUTOMATIC & MANUAL LOAD VERSIONS

Laboratory apparatus for applying direct sprays and residual films

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The Potter Tower is internationally recognised as the standard of reference for chemical spraying techniques in the laboratory. This type of apparatus is required for studying the biological effects of contact poisons on organisms.

Benefits include:

- Proven Reliability
- Increased Safety
- Smooth Pneumatic Cycle
- Easy Clean Construction

Two models are manufactured by Burkard Agronomics, at Uxbridge, the standard version and more recently, a model with a safety automatic load/unload facility. Each instrument has similar spray performance characteristics and is designed to apply precise and uniform deposits of spray over a circular area of 9cm (3.54") diameter.

The Tower incorporates developments from the Rothamsted Experimental Station (AFRC - Harpenden, Herts, England) and includes quickly detachable atomizers and a pneumatically operated spray table, with all controls mounted conveniently at the front.

A 0-2.5 BAR 10cm/4in.dia. 0-30 lb/sq in, pressure gauge is fitted as standard. A laboratory scale compressor unit and a manometer are also offered as optional equipment.

Safety auto-load option

Throughout industry and research there are ever tighter controls on the handling and use of pesticides both in the field and the laboratory. Mindful of this trend and the potential for operator exposure and contamination in Potter Tower tests for pesticides Burkard Agronomics have introduced an auto-load system.

The load-unload pneumatic option for the Potter Tower eliminates the need for operators to manually place petri dishes on the spray table immediately beneath the spray tube and therefore avoids the risk of contamination. With an automatic operating cycle and the pneumatic on/off switch mounted outside of the fume cupboard loading and unloading of petri dishes can now be made well clear of harmful pesticides. This new design offers a smoother elevation of the table and prevents the air from passing to the atomizer until the table is finally positioned. The new tower is manufactured at Uxbridge, England, from an attractively finished high grade of stainless steel.

Specification

	Standard	Auto-load
Spray Tube		
Spray Tube diameter (Top)	15.7	15.7
Spray Tube diameter (Bottom)	11.9	11.9
Tube length	69cm	69cm
Max. diameter of specimen dish	11cm	11cm
Max working pressure supply	2.1 bar (30lbs/sq.in.)	2.1 bar (30lbs/sq.in.)
Operating pressure	15lb/sq.in.	15lb/sq.in.
Standard sample reservoir capacity	12cc	12cc
Tower overall dimensions		
Height	120cm	120cm
Width	36cm	36cm
Depth	36cm	36cm
Ship weight		
Net	21.4Kg	28Kg
Gross	43Kg	49.5Kg
Crate size	51X51x153cm	51x51x153cm

Ordering Information

Product Code	Description
BS00282	Potter Spray Tower (Standard Model)
BS00281	Potter Spray Tower (Auto-load Model)
BS00616	Compressor
BS01094	Manometer (0-15psi)

The company reserves the right to make changes to the specification without notice.

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