



Automatic Panel Sprayers

The TQC Sheen Automatic Panel Sprayers have been designed to remove inconsistencies in the application of wet sprayed coating materials even when applied by experienced operators using a handheld gun.

The machines are equipped with a range of adjustments to enable the operator to determine the optimum settings for consistency in the application of a wide range of liquid coating materials. Subsequent sample batches can be applied using the same settings.

Consistency in coating application is absolutely essential for subsequent evaluation of visual properties including color, gloss, opacity and general appearance, also for the physical properties including thickness, sagging, leveling and adhesion.

Evaluation of these parameters is particularly important when applying high performance coatings such as metallic, pearlescent paints and specialist effect coatings.

The elimination of variables at the application stage enables any discrepancies in the applied coatings to be attributable to differences in formulation or processing before the application of the coating material.



Features:

- By just using just air and no electronics it's perfectly safe to use in areas with atomized paints and aerosols
- Easy to operate controls
- All functions and movements are operated by compressed air
- Adjustable gun to panel distance, gun travel speed and spray pressure
- Adjustable panel lift 40 and 50mm settings to assists overspray of the previous pass of the spray gun
- Upon request the SH0582 model offers specified panel lift increments, from 10 to 500 mm
 - Smaller increments produce more overspray of previous passes of the spray gun
 - Lift increments to be specified at the time of ordering
- Standard flash off timer, to enable optimum setting of rest period between each coating
 - Dwell and traverse timers available as specials
- Framework and panels are constructed from stainless steel, for rigidity and easy cleaning
- Magnetic Panel holders
 - Vacuum holders for non-metallic panels available at the time or ordering
- Suitable for use in all spray booths
- Lockable castors are fitted to aid easy maneuverability
- Emergency and Reset button
- Easy access to internal parts/mechanism for simplified service and cleaning
- Fitted with integral air filters and regulators
- Compressed air connection by 12 mm diameter hose line, speed fit connectors or 1/2" BSP connection

SH0586 – 4500N Panel Sprayer

This single gun sprayer has maximum panel holding capacity of 4 standard panels (100x150 mm) with a maximum spray area of 350x500 mm. The operator is able to program spray pressure, number of coats, traverse speed, lift increment and flash-off timer.

SH0590 – 4700N Panel Sprayer

The intermediate model accommodates twin gun operation, capacity for 9 standard 100x150 mm panels and a maximum spray area of 500x500 mm (when using a single gun). The operator is able to program spray pressure, number of coats, traverse speed, lift increment and flash-off timer.

International standards

ASTM D823



Technical Specification:

Panel Sprayer – Standard Specifications

Model	SH0586 – 4500N Panel Sprayer	SH0590 – 4700N Panel Sprayer
Spray gun(s) facility	1	2
Spray gun selector switch	1	2
Spray gun to panel distance adjustable	✓	✓
Spray stroke length (mm)	400 fixed	250 and 500
Spray pressure	0,5-5 bar	0,5-5 bar
Spray area (max with 1 gun)	350x500 mm	500x500 mm
Traverse speed	20–800 mm/sec	20–800 mm/sec
Standard panel lift between coats (mm) (alternatives available)	40 and 50	40 and 50
1 flash-off timer (Minutes between coats)	0–10	0–10
Coats counter (adjustable 1-9999 coats)	1	2
Passes counter (adjustable 1-9999 coats)	1	2
Manual control	Spray on/off, traverse lift	Spray on/off, traverse lift
Magnetic panel holder	✓	✓
Number of sample panels (100x150 mm)	4	8
Air supply	Pneumatic, 10 bar (150 psi)	Pneumatic, 10 bar (150 psi)
Dimensions (without optional equipment) W x D x H	70x72x160cm (Panels at full height)	90x72x160cm (Panels at full height)
Weight	70 kg	90 kg



Ordering Information:

Catalog Number Article Description

SH0586	4500N Small Automatic Panel Sprayer, single gun
SH0590	4700N Medium Automatic Panel Sprayer, twin guns

Optional equipment for the 4500N

SH1706	4500N Vacuum panel holder, possible at initial ordering only
---------------	--

Optional equipment for the 4700N

SH1704	4700N Vacuum panel holder, possible at initial ordering only
---------------	--

On special request

Dwell timer	Providing delay between each pass (adjustable 10s -10min)
Digital traverse time delay	For stroke speed calculation (inch or mm)

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com