

SEETAL SPRAY BOOTH P/L. ABN NO 53 005 268 600

56 JERSEY ROAD, BAYSWATER, VICTORIA, 3153.

TELEPHONE: (03) 9729-8733 FACSIMILE: (03) 9720-5684

DESCRIPTION OF THE SEETAL

EUROCABIN TRUCK SPRAY BOOTH OVEN

MODEL: DDSE

The SEETAL DDSE is a Full Down Draught pressurized Truck and Bus Spray Booth Oven:

The standard model is provided with concertina vehicle access doors, incorporating a personal access door built into one wing of concertina door arrangement and four laminated viewing windows. Extra escape door with viewing window is provided and fitted at a suitable location.

The SEETAL DDSE is designed to be constructed on a level concrete floor. The fans and direct fired heat machinery (if equipped) is arranged at the roof of the Booth Construction. Assembled according to a factory-tested unit for easy assembly or relocation if necessary.

IF EQUIPPED WITH HEAT, BOOTH HAS:

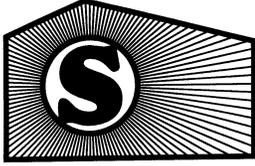
- (a) Heated Temperature controlled fresh air during the spray painting cycle, and
- (b) Direct fired heated air during the bake cycle.

The Seetal DDSE Spray Booth Oven is manufactured to comply with all relevant regulations, both local and national.

Electrical AS 3000 & AS 1825.

Gas Code AG 501 - 601.

AS. NZ. 4114



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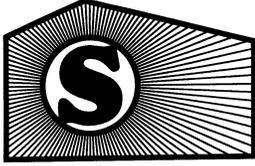
In the "spray" position, the fresh air is brought in from outside through a duct system into the heat chamber for warming up (if necessary) to approx. 25°C or more. It will then be delivered via centrifugal fans, to a plenum chamber over the top of the booth section. The supplied air is then passed 'down draught' through filters in the ceiling to the working area. From here air is moved in direction of side wall mounted exhaust plenum chambers and filtered through fiberglass exhaust filters. The "non-sparking" tube axial fan pushes the cleaned air through the duct system out into the open, outside of the building.

The Booth airflow and heating (if equipped) in spray or bake is a Patent once through system and suitable for all types of Automotive Painting including Water Based Undercoats and Paints.

After the completion of the spray painting job, the operator sets the baking temperature and timer then presses the "bake" button.

The control system of the spray booth will now automatically change the air flow to bake mode, and the direct fired heat unit will take air up to the required temperature (max 65° C) within approx. 5 mins.

After the preset time for baking has elapsed, automatically change the airflow is once again switched the same way as in "spray" position, and with the heater switched off, the whole plant is cooled down to a set cooling temperature.



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SEETAL DDSE:

FRONT DOOR ARRANGEMENT:

Front door construction is concertina type, with galvanized RHS steel frame covered with 0.75mm steel sheet, hinged on full length piano hinges. Each wing will have center locking device to activate top and bottom pins, built into door shell. Upper door track and weight carrier arranged with C section and ball bearing runners. 6mm laminated glass window in each of the four door wings will be provided, one door wing will have built in service door (Escape door).

ESCAPE DOOR AND SERVICE DOOR:

Galvanized steel sheet construction with full length piano hinges, positive locking device (push/pull) and built in laminated glass panel.

POWER REQUIREMENTS:

3 Phase – Load to be specified
1 Neutral.
1 Earth.

INLET FAN:

Inlet air handling unit with 7.5 KW 3 phase electric motor, direct driven centrifugal backwards-curved aluminium air foiled fan. This fan impeller can save up to 25% of the electricity used by an ordinary centrifugal impeller. Creates Less noise, a longer life and is statically and dynamically balanced to eliminate vibrations. Delivers 14000 Lps of air per machine.

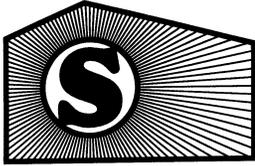
EXHAUST FAN:

Tube axial, direct driven by 2.2 KW 3 phase electric motor. 7000 Lps each.

HEATING SYSTEM: (if equipped)

Approved direct fired Gas L.P. or Natural with flame detection and supervision, as per Standard AG 501.
Fired with Seetal DF850 MJ Burner.
Firing rate at 500 MJ per Hour.

NOTE: Multiple air handling machines and heating systems may be required depending on the size of Booth.



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TEMPERATURE: (if equipped)

During spray painting - adjustable to 20°-25°C
During baking - adjustable to 35°C - 65°C. Input Air Temperature.

BAKING TIME: (if equipped)

Adjustable from 6 minutes to 60 hours.

AIR FOR SPRAY GUN:

Only available if the inlet fans and exhaust fan are working and interlocked by solenoid valve.

ELECTRICAL CONTROLS:

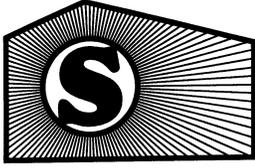
Control of all functions is affected from a master control panel.

It includes the following:

- (a) Main switch for power.
 - (b) Light switch.
 - (c) Timer circuit for baking time.
 - (d) Hour meter.
 - (e) Stop button.
 - (f) Button to select "spray" or "bake" cycles.
 - (g) Temperature setting controls over spray and baking.
 - (h) Temperature gauge with digital readout.
 - (i) Burner control and fault lights.
 - (j) Fan motor protection.
 - (k) Fault detection and trouble shooting lights.
- } If equipped

ILLUMINATION:

Pressurized light system equipped with twin 36 watt fluorescent light tubes fitted in steel light banks located between ceiling and roof and all corners of the interior of booth. Light system is a certified type. Certification No: EX 1392 .



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INLET FILTERS:

Full length and width of ceiling, approved knife edge sealing system.

EXHAUST AIR FILTER:

Easily replaceable dry Fiberglass filter located in side wall.

DUCTS:

All galvanized construction, includes bird screen and weather hood. Height to E.P.A. requirements.

ILLUMINATION AND DOOR GLASS:

6.3mm Laminated and metal sashed glass panels.
6mm Wire reinforced glass framed in metal sash.

BOOTH FINISH INSIDE AND OUTSIDE:

75mm sandwich panel white. Front doors, escape door Plenums Chamber etc. In galvanized finished.

MACHINE PLANT:

Full galvanized and painted blue.