

DATA SHEET RSBOX9000



1. Spray Booth Construction

Spray booth on a base, designed for water and conventional varnishes, compliant with European directives (with CE mark)

External dimensions: length 7.00m x width 5.45m x 3.48m

Internal dimensions: length 6.9m x width 3.9m x height 2.7m

The cabin is made of panel with self-extinguishing rock wool insulation.
Thickness of wall panels 50mm - joined with tongue and groove.
Plenum with a six- section design, allowing easy filter replacement.
Construction made of aluminum and galvanized steel profiles.
Top filter of filtration class F5, self-extinguishing material of F1 class.

Galvanized metal base, 300 mm high.

The floor is fully grated, with air filters on a wire mesh floor the Glass Paint Stop type, filtration class G3, self-extinguishing material of F1 class

1.1 Door

Three-part door, division 2/3 and 1/3, equipped with reinforced external hinges 3mx2.65m in the clear. The two-part part is equipped with two deadbolt locks mechanically blocking the door in the closed position. Single leaf with safety ball latches (opening when overpressure inside the cabin is exceeded), also serves as a service and emergency entrance (opening from the inside by pushing).

Each door is equipped with thermal panes made of safety glass.

Side door - service, mounted on the side of the cabin: 0.8mx2m in the clear

1.2 Lighting

Top lighting:

32 LED bulbs 16W, enhanced type. Day color.

Distributed evenly on both sides of the cabin at an angle of 45°, under the air supply plenum.

Bottom lighting:

(8 lamps, 4 per side) 32 fluorescent lamps x LED16W bulbs

IP 54 safety glass luminaires.

Total lighting power 1100 LUX.

1.3 Ventilation and heating unit

MONOBLOCK - a warm air ventilation generator equipped with a two-stage oil burner, along with an exhaust module.

In the standard version, during the painting phase, the unit works with complete air exchange and partial recirculation during the drying phase of 85%.

- Casing structure made of galvanized steel sheet
- Two turbines (blowing and exhaust) with direct drive.
- Automatic damper COATING/DRYING
- Manual shutter for pressure regulation
 - Inlet pre-filter(white pocket filter)
 - Exhaust pre-filter(active carbon pocket filter)
- Air circulation system 1x7.5kW supply, 1x7.5kW exhaust.
- Two-phase oil burner RIELLO RG5D 160-309kW max.
- Heating system:
 - Four-pass heat exchanger 220kW
 - 4-pole, 3-phase asynchronous motor, insulation class F, IP54 (7.5kW - 400V - 50Hz inlet, 7.5kW - 400V - 50Hz outlet).
- Installed electric power - 17kW
- Type of electrical installation 3Ph+N 400V 50Hz

1.4 Control Panel

AUTOMATIC CONTROL PANEL - external, with VARNISHING and DRYING functions.

Professionally designed using Schneider electrical components.

Electrical device compliant with EU directives equipped with:

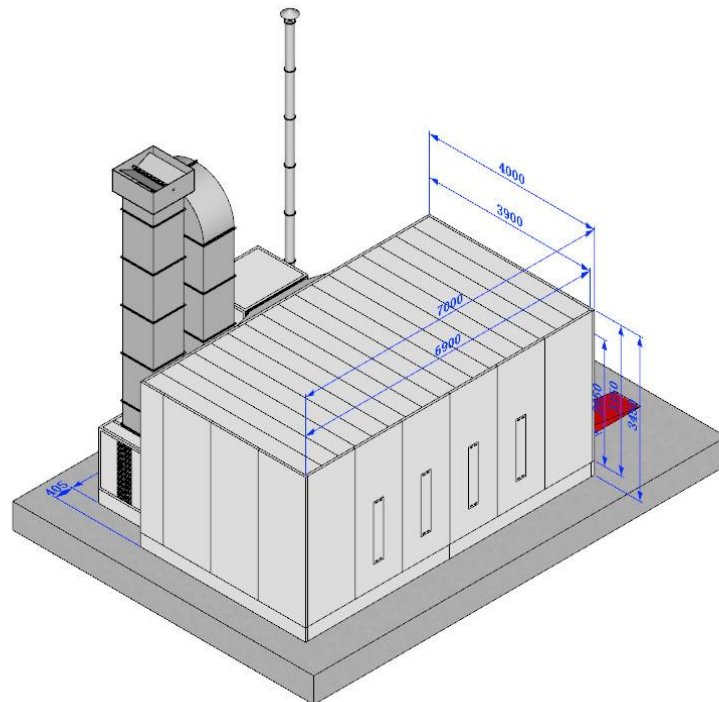
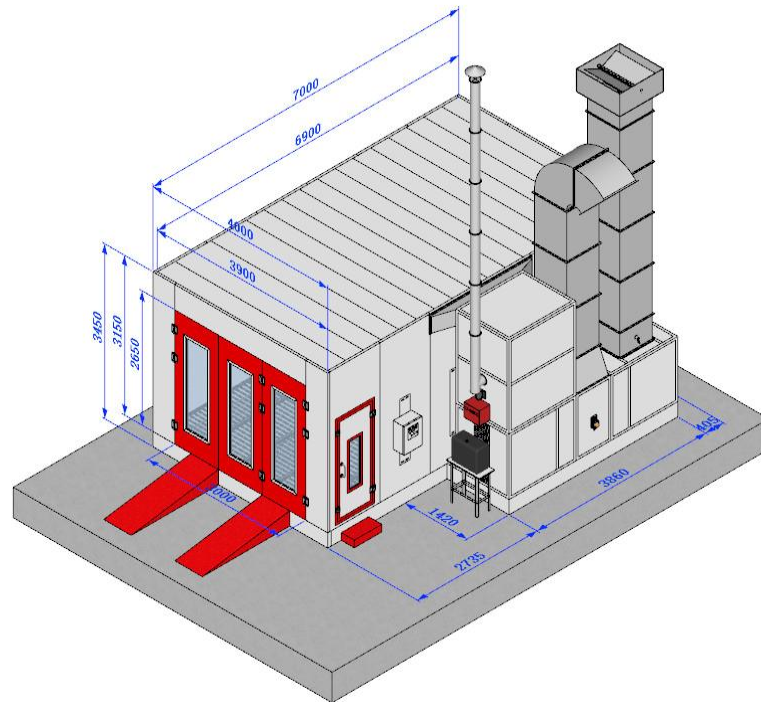
- Main switch
- Motor power switches
- Torch switch
- Cab lighting switch
- Process status lights
- Varnishing/drying temperature controller
- Drying timer
- Cab timer

2. Security systems

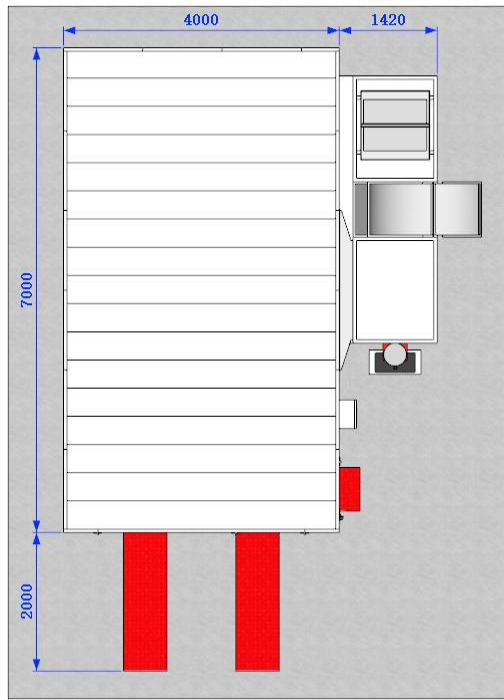
- Safety thermostat - cuts off the burner in case of excessive temperature increase
- Low pressure switch - in the event of a negative pressure in the cabin, the system is stopped
- Entrance door - equipped with ball latches, they open automatically when the air pressure in the cabin is too high.

- Side service/emergency doors – the standard cabin is equipped with an additional side door.
- Control cabinet transformer - low voltage power supply. 24V power supply for electrical connections in the control panel for operator safety.
- Pressure gauge - informing about the pressure in the cabin - for pressure control and regulation.

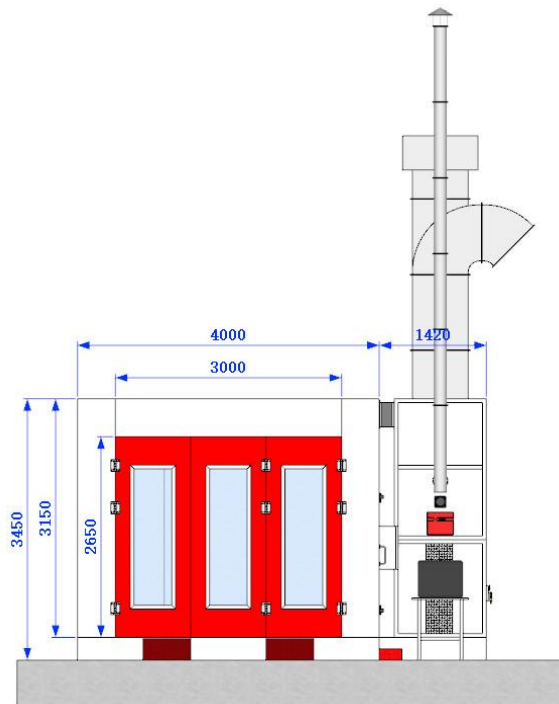
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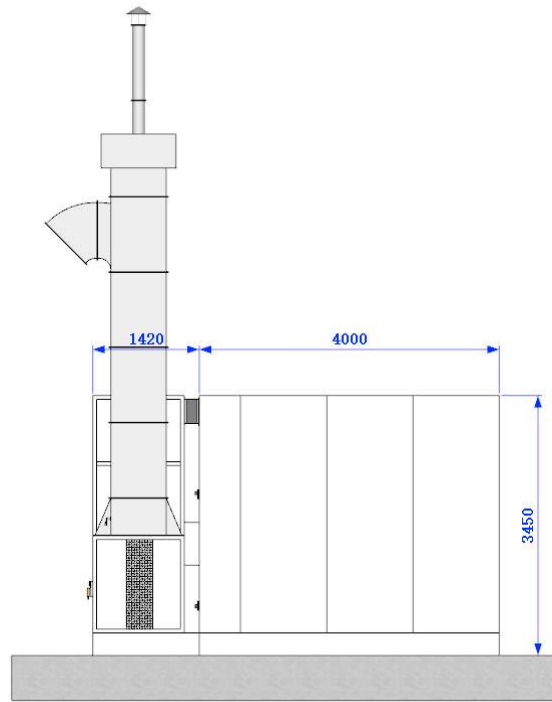
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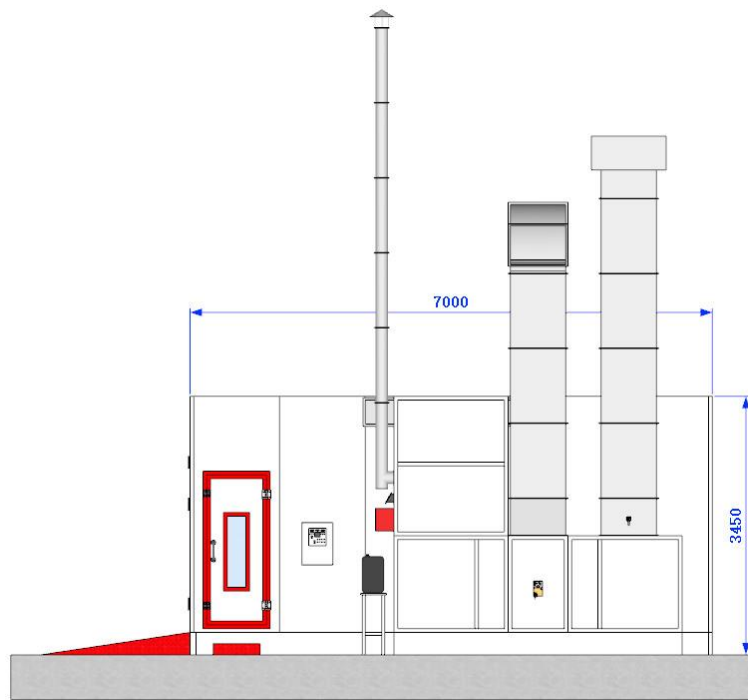
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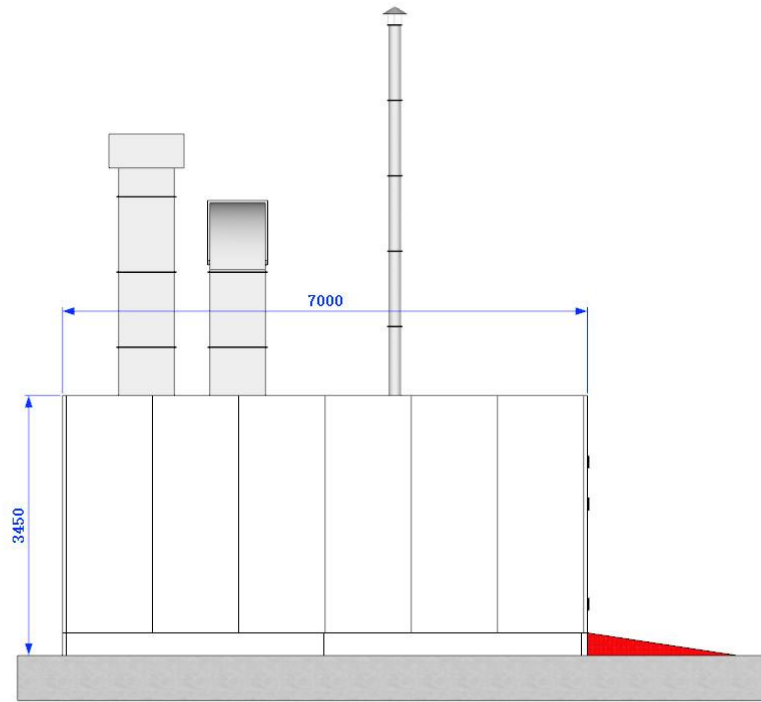
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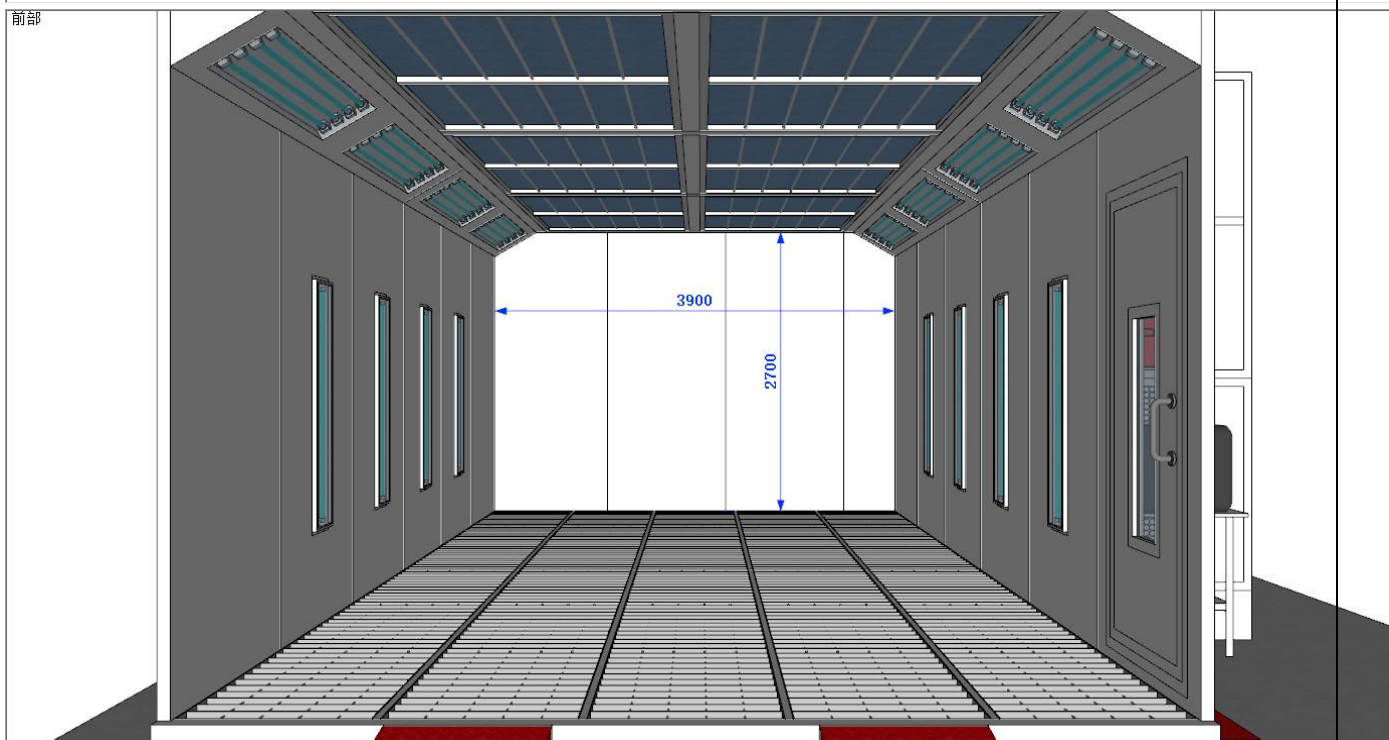
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4. Warranty scope

We provide warranty and post-warranty service.

The devices are covered by a 24-month warranty.

The condition for maintaining the warranty is the use of the spray booth in accordance with the operating instructions, performing maintenance activities and regular replacement of filters with a frequency that does not allow for hindering or blocking proper air circulation.

