

# SPRAY BOOTH PICASSO

***SPANESI***



**Operating and Service Manual**

**GB**



 **SPANESI**<sup>®</sup>  
BODY SHOP TECHNOLOGY

---

Carefully read the instructions in this Manual before using the equipment

THE COMPANY



RESERVES OWNERSHIP OF THIS MANUAL, FORBIDS REPRODUCTION OR  
COMMUNICATION THEREOF TO THIRD PARTIES WITHOUT  
THE AUTHORISATION OF THE OWNER AND RESERVES THE POWER TO SAFEGUARD ITS  
RIGHTS BY PROSECUTING ALL TRANSGRESSORS IN ACCORDANCE WITH THE LAW.

This manual forms an integral part of the product and must be carefully kept and consulted  
throughout the life of the machine.

Further copies can be obtained upon request from:

**Spanesi S.p.A.**  
**Via Praarie 56/II, Loc. Cavino**  
**35010 S.S. delle Pertiche (PD)**  
**Servizio Assistenza Tecnica**  
**Tel.: (+39) 049 9333211**  
**Fax.: (+39) 049 5741295**  
**e-mail: [spanesi@spanesi.it](mailto:spanesi@spanesi.it)**  
**web: [www.spanesi.com](http://www.spanesi.com)**

## Contents

|                                                    |           |                                                    |           |
|----------------------------------------------------|-----------|----------------------------------------------------|-----------|
| <b>1. PREFACE .....</b>                            | <b>6</b>  | <b>4.4 REGULAR STOP PROCEDURE .....</b>            | <b>12</b> |
| <b>1.1 FOREWORD.....</b>                           | <b>6</b>  | <b>4.5 POWER CUT-OFF .....</b>                     | <b>12</b> |
| <b>1.2 HOW TO CONSULT THIS MANUAL .....</b>        | <b>6</b>  | <b>4.6 TESTING .....</b>                           | <b>12</b> |
| <b>1.3 NOTES ON MARKINGS.....</b>                  | <b>7</b>  | <b>4.7 ADJUSTMENTS AND CHECKS PRIOR TO USING</b>   |           |
| <b>1.4 USE OF THE BOOTH .....</b>                  | <b>7</b>  | <b>THE BOOTH .....</b>                             | <b>12</b> |
| <b>1.5 TECHNICAL SPECIFICATIONS .....</b>          | <b>8</b>  | <b>4.8 STARTING.....</b>                           | <b>13</b> |
| <b>1.6 SAFETY SYMBOLS .....</b>                    | <b>8</b>  | <b>4.9 TROUBLESHOOTING .....</b>                   | <b>13</b> |
| <b>2. GENERAL INFORMATIONS .....</b>               | <b>9</b>  | <b>5. MAINTENANCE AND REPAIRS .....</b>            | <b>14</b> |
| <b>2.1 WARRANTY .....</b>                          | <b>9</b>  | <b>5.1 SCHEDULED MAINTENANCE .....</b>             | <b>14</b> |
| <b>2.2 SAFETY RULES .....</b>                      | <b>9</b>  | <b>5.2 NON-ROUTINE MAINTENANCE .....</b>           | <b>14</b> |
| <b>2.3 EMERGENCY SITUATIONS .....</b>              | <b>9</b>  | <b>5.3 CLEANING FILTERS/CHANGING FILTERS .....</b> | <b>15</b> |
| <b>3. HANDLING AND TRANSPORTATION .....</b>        | <b>10</b> | <b>5.4 ADJUSTING TENSION/CHANGING THE DRIVE</b>    |           |
| <b>3.1 TRANSPORTING THE BOOTH .....</b>            | <b>10</b> | <b>BELTS .....</b>                                 | <b>16</b> |
| <b>3.2 INSTALLATION .....</b>                      | <b>10</b> | <b>5.5 REPLACING THE LIGHT BULB.....</b>           | <b>17</b> |
| <b>3.3 ENVIRONMENTAL OPERATING CONDITIONS ..</b>   | <b>10</b> | <b>6. MOTHBALLING .....</b>                        | <b>18</b> |
| <b>3.4 MINIMUM WORKING CLEARANCES .....</b>        | <b>10</b> | <b>6.1 PREPARING FOR A PERIOD OF DISUSE.....</b>   | <b>18</b> |
| <b>3.5 CONNECTION TO ENERGY SOURCES.....</b>       | <b>10</b> | <b>6.2 PUTTING BACK INTO OPERATION .....</b>       | <b>18</b> |
| 3.5.1 Mains supply connection.....                 | 10        | <b>7. DISMANTLING AND DISPOSAL .....</b>           | <b>18</b> |
| 3.5.2 Compressed air hookup.....                   | 10        | <b>8. WIRING DIAGRAM .....</b>                     | <b>22</b> |
| <b>4. HOW TO USE THE BOOTH.....</b>                | <b>11</b> | <b>9. PNEUMATIC DIAGRAM.....</b>                   | <b>23</b> |
| <b>4.1 CHECKS AND ADVICE BEFORE STARTING .....</b> | <b>11</b> | <b>10. SPARE PARTS .....</b>                       | <b>23</b> |
| <b>4.2 THE BOOTH'S SAFETY SYSTEMS .....</b>        | <b>11</b> |                                                    |           |
| <b>4.3 BOOTH CONTROLS.....</b>                     | <b>11</b> |                                                    |           |

**Machine:** **SPRAY BOOTH**

**Model:** ☐ “Picasso 2m” ☐ “Picasso 3m” ☐ “Picasso 4m”

**Serial n°:** \_\_\_\_\_



**Delivery and/or  
installation date:** \_\_\_\_\_

**Owner:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**User:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**NB: This part of the Manual must be filled out on delivery or installation. It is important that you quote the above numbers whenever you contact your dealer.**

## EC DECLARATION OF CONFORMITY

The Firm: **Spanesi S.p.A.**  
Via Praarie 56/II, Loc. Cavino  
35010 S.S. delle Pertiche (PD)  
Tel.: (+39) 049 9333211  
Fax.: (+39) 049 5741295

hereby declares under its sole responsibility that  
the "Spray Booth":  
Model ☐ "Picasso 2m" ☐ "Picasso 3m" ☐ "Picasso 4m"  
Serial n. \_\_\_\_\_  
Manufactured in the year: \_\_\_\_\_

to which this declaration refers, complies with the essential safety requirements laid down in the following European Directives:

- 98/37/EC (which replaces 89/392/EEC - implemented in Italy by presidential decree (DPR) 459/96)
- 89/336/EEC (implemented in Italy by legislative decree (D.Lgs) 615/96)
- 73/23/EEC (implemented in Italy by law (L.) 791/77)

and later amendments 92/31/EEC, 93/44/EEC, 93/68/EEC.

And is in conformity with the following harmonized standards:

- UNI EN 12100-1 April 2005
- UNI EN 12100-2 April 2005
- UNI EN 294 July 1993
- CEI EN 60204-1 Third Ed. 1998

**GB**

(name and signature or equivalent stamp of authorized person)

The form used for this declaration is in conformity with Standard EN 45014

# 1. PREFACE

## 1.1 FOREWORD

The purpose of this manual is to provide all the information required to allow personnel given the task of operating the booth, or performing routine maintenance on the booth, to work safely.

This Operator Manual is an integral part of the booth and contains the information required to operate and perform maintenance on said booth.

The user is required to read it carefully before commencing installation and starting the equipment.

The Operator Manual must be kept for the duration of the service life of the booth to which it refers and must be passed on to any other user or later owner.

We also advise you to contact the Manufacturer if you need any additional information, spare parts or accessories. Whatever the case, no operations must be commenced unless the exact procedures are clear to you.

The booklet, or a copy thereof, must be kept near the booth at all times for the operator to refer to. It must be kept in a place where it will be safe from heat, damp and corrosive agents (oil, lubricants, corrosive products).

Care must be taken when consulting the manual not to damage it in any way. Do not remove pages, replace or erase information, or otherwise alter its contents.

Updates and sheets illustrating accessories must be treated as additions to this manual and, as such, must be attached thereto.

## 1.2 HOW TO CONSULT THIS MANUAL



**WARNING! Look out for this symbol - it indicates operations or situations of a more dangerous nature.**



**ATTENTION! This symbol is meant to draw your attention to a very important note or piece of advice.**

Furthermore, pay particular attention to any writing in bold print or which is in a larger font or is underlined, as it refers to particularly important operations or information all the same.

All safety rules given are important and, as such, must be strictly complied with.

The wiring diagrams attached are meant only for use by specialized technical personnel who are authorized by Spanesi S.p.A. to carry out repairs and non-routine checks. It is severely prohibited to use said diagrams to make changes to the machine.

From hereon in, when the term “in front of” is used in relation to the booth, it means the part of the booth where the painting operations take place, whilst the term “behind” is used to indicate the rear. The terms “right” and “left” refer to the operator standing at the front of the booth and facing it.

For all work to be performed on the booth, you must refer to the qualification levels described below to determine which personnel are qualified to do the job.

### Ordinary operator:

personnel with no specific skills who are able to perform simple tasks only, namely operate the booth using the controls set on the control panel as well as load and unload materials used during production, while all safety devices and guards are installed and enabled.

### Specialized operator:

personnel able to perform the tasks specified for the above qualification level and, in addition, to work with the booth's safety devices disabled for the purpose of performing simple adjustments and starting or resuming production following a shutdown triggered by safety devices.

### Maintenance mechanic:

specialized technical personnel who can operate the booth under normal conditions, make it work with the safety devices disabled, and perform work on mechanical parts for all necessary adjustment, maintenance and repair purposes. This person is not qualified to carry out work on electrical systems.

### Maintenance electrician:

specialized technical personnel who can operate the booth under normal conditions, make it work with the safety devices disabled, and perform work on electrical parts for all necessary adjustment, maintenance and repair purposes. This person can carry out work with power to the cabinets and junction boxes switched on.

### Manufacturer's engineer:

specialized technical personnel available on request from the Manufacturer to perform operations of a complex nature in unusual situations or whatever work is required according to arrangements made with the user.

Operations described herein, relating to each stage of the booth's lifecycle, have been carefully analysed by Spanesi S.p.A.. Consequently, the number of operators indicated for each of them, and the required qualification, are those most suitable for work to be carried out in the best possible way.

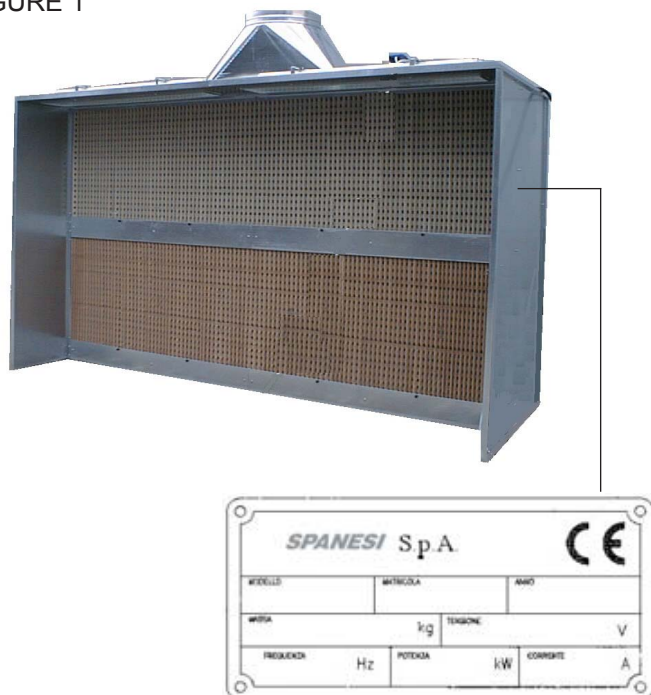


**WARNING! Using a different number of operators, or personnel with a lower qualification than required, might endanger personnel involved in the work or standing near the booth.**

### 1.3 NOTES ON MARKINGS

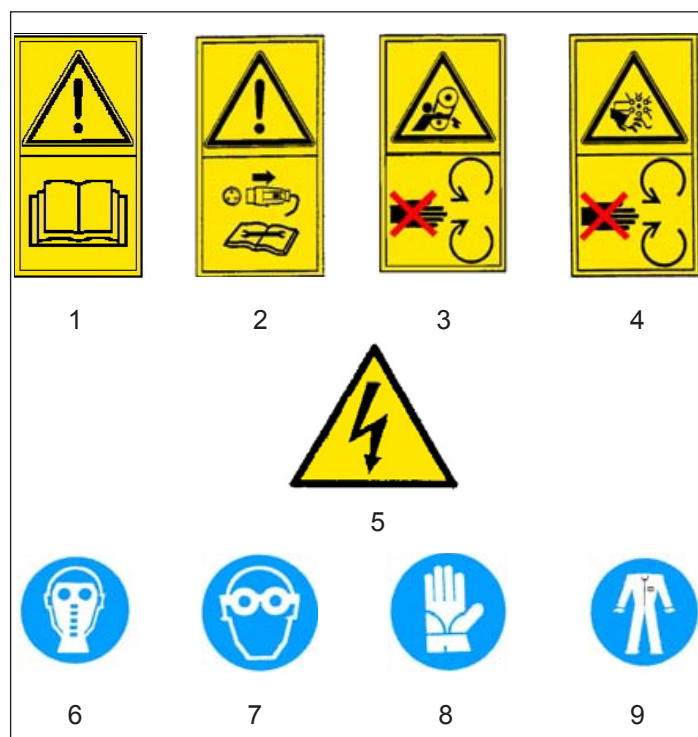
The booth's nameplate featuring all its data is located on the right-hand part of the booth (see fig. 1).

FIGURE 1



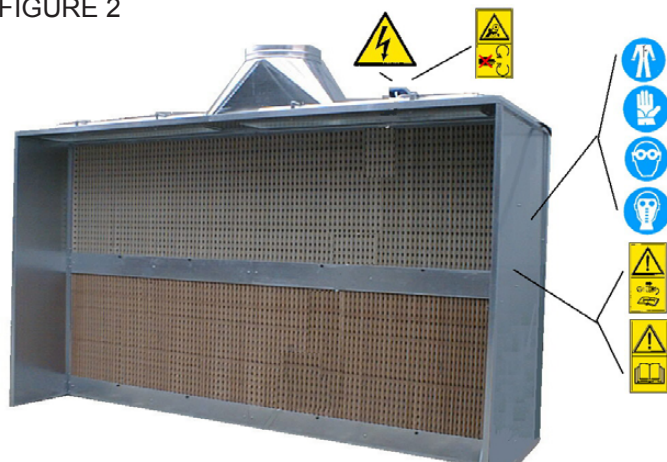
More specifically, the plate gives the mains supply values, which must be checked when testing or reinstalling the equipment: connecting the booth to a power supply outside the ranges specified on the rating plate is prohibited. Make sure both the nameplate and the hazard warning symbols (see fig. 3) are kept clean and in good condition at all times. Where necessary, replace them with originals, which can be ordered from the Manufacturer.

FIGURE 3



The new symbols must be applied in the same place as the ones they are replacing (see fig. 2).

FIGURE 2



### 1.4 USE OF THE BOOTH

This booth has been designed only for painting with water-based paints and/or sanding and/or blowing of mechanical and/or sheet metal and/or wood parts. The use of solvent-based paints and washing with solvents is allowed only for a maximal use of 1.5 kg./hour for 2m. Picasso booth, 2 kg./hour for 3m. Picasso booth, 2.7 kg./hour for 4m. Picasso booth. The values have been calculated according to the EN 12215:2004 regulations.

When treating parts over a metre high, you must use a safety ladder.

**Any other form of use is understood to be contrary to its designated purpose.**

The equipment must be operated only by personnel who are familiar with its special features and who are aware of the main safety procedures and are aged 18 years or over.

Accident-prevention rules and any other occupational health and safety requirement must be complied with at all times.

Any arbitrary alteration made to the booth, or failure to perform scheduled maintenance at the given intervals, shall relieve the manufacturer of all liability for any resulting damage.

Changes required must be submitted to Spanesi S.p.A. for approval, quoting all the booth's specifications and specifying your reasons. If changes are approved, they must be made only by personnel authorized by Spanesi S.p.A. and following the precise instructions issued thereby.

The booth's continuous A-weighted sound pressure level at the workstations when the booth is working under full load conditions is less than 79.5 dB (A).

## 1.5 TECHNICAL SPECIFICATIONS

The following table features the booth's main specifications. Before making connections or handling the booth, consult this table to be sure that said operations are carried out properly.

| MODEL           |      | PICASSO 2M            | PICASSO 3M           | PICASSO 4M           |
|-----------------|------|-----------------------|----------------------|----------------------|
| Voltage         | V    | 230/400 3ph +T+N      | 230/400 3ph +T+N     | 230/400 3ph +T+N     |
| Current         | A    | 6,4 $\Delta$<br>3,7 Y | 15,5 $\Delta$<br>9 Y | 15,5 $\Delta$<br>9 Y |
| Frequency       | Hz   | 50/60                 | 50/60                | 50/60                |
| Installed power | kW   | 1,5/1,75              | 4/4,8                | 4/4,8                |
| Total weight    | kg   | 191                   | 243                  | 304                  |
| Dimensions      | m    | 2082 x 1432 x 2589    | 3082 x 1432 x 2650   | 4082 x 1432 x 2650   |
| Light bulbs     |      | 2x58 W                | 2x58 W               | 4x58 W               |
| Extraction rate | mc/h | 8800                  | 13700                | 18000                |

## 1.6 SAFETY SYMBOLS

The symbols described below (see fig. 3) are featured on the booth (see fig. 2). You must read them carefully and commit their meaning to memory.

1. Read the operator manual before starting the booth.
2. Disconnect the power supply and consult the operator manual before performing maintenance or repair work.
3. Belt drive, do not remove guard while booth is running.
4. Moving parts, do not remove guard while booth is running (applied on fan housing inside booth).
5. Electrocution hazard.
6. Respiratory system protection (mask) must be worn.
7. Eye protection must be worn.
8. Hand protection must be worn.
9. Overalls must be worn.

The label for symbol n°4 must be applied inside the booth on the fan housing.

FIGURE 3

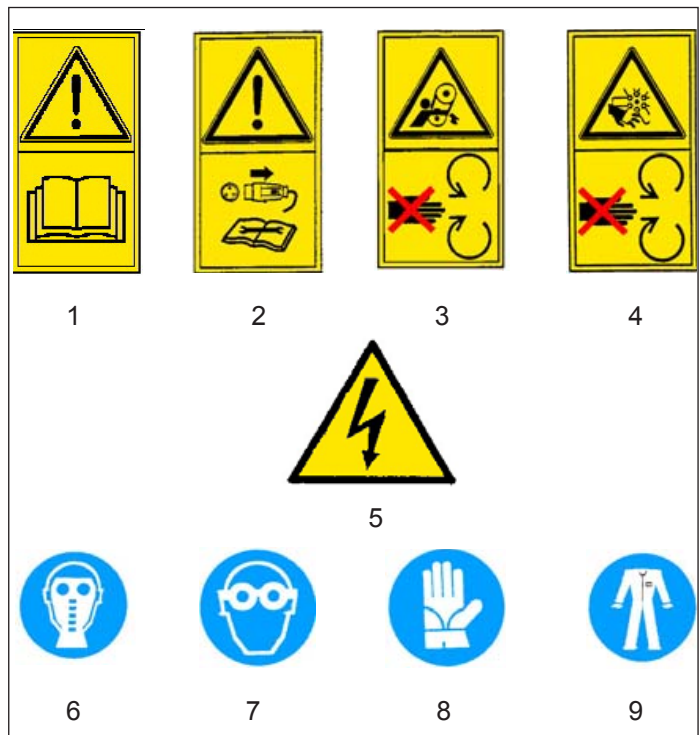
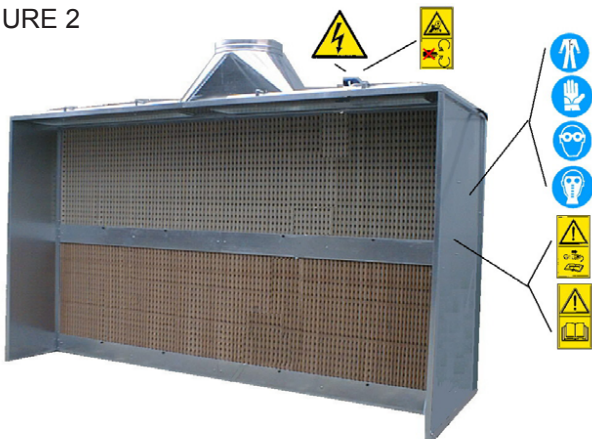


FIGURE 2



## 2. GENERAL INFORMATIONS

### 2.1 WARRANTY

Check the booth on delivery for any damage incurred during transit.

Complaints must be sent to the Firm Spanesi S.p.A. in writing within 8 days of receipt.

The warranty is valid for 12 months from the date of purchase.

Remedy under warranty is limited to the replacement or repair of parts that are acknowledged as defective once they have been thoroughly examination by Spanesi S.p.A.

Whatever the case, the purchaser shall be required to pay transport costs and VAT. Furthermore, the warranty shall not entitle you to claim for damages, whether direct or indirect, or to terminate the agreement, nor shall it entitle you to a reduction in price or to stop payments, in which case the warranty shall cease with immediate effect.

Under no circumstances shall the replacement or repair of the parts under warranty cause the warranty period to be extended.

No returns will be accepted without the Manufacturer's written permission.

The warranty shall be void if:

- the purchaser is not up to date with payments;
- the instructions herein are not complied with;
- changes are made without the prior permission of Spanesi S.p.A.;
- repairs are carried out by unauthorized personnel;
- the booth is used in any way other than that prescribed;
- original parts are replaced with parts from a different manufacturer.

All electrical components are excluded from the warranty.

The warranty shall not be applicable if, in the opinion of Spanesi S.p.A., the part to be replaced has been damaged either accidentally or due to incorrect use of the booth.

For any dispute, the court of competent jurisdiction shall be the court of Padua, Italy.

### 2.2 SAFETY RULES

- The booth is to be used only by the appointed personnel, who must first read and assimilate the contents of this manual.
- Before starting the booth, check safety devices for damage and make sure they are in perfect working order.
- Before commencing work, you must familiarize yourself with the booth's controls, paying special attention to emergency procedures and pushbuttons, following the instructions given herein.
- Before performing any operation, make sure there is nobody (especially children) inside the work zone.
- Do not operate the booth outside its stated performance range.
- Before starting the motor, make sure all controls are set to their neutral positions.

- You must wear suitable clothing as prescribed in this manual and by the laws in force in the country where the booth is used. Whatever the case, do not wear baggy clothing likely to flap about, belts, rings, bracelets or necklaces.
- Under no circumstances should the booth be used until it has been earthed.
- Make sure the workstation is clean and tidy and that tools, accessories and keys are put away in the right place.
- Do not perform any cleaning or maintenance work, or leave the booth unattended, while the motor is running.
- Do not, under any circumstances, operate the booth with the fixed and/or movable guards removed or with the safety devices disabled.
- Removing or tampering with safety devices is strictly prohibited.
- Do not perform any maintenance or adjustment on the booth until you have read and assimilated the contents of this manual.
- Do not perform any maintenance or adjustment on the booth until you have switched off the motor, disconnected the power supply and padlocked the switch on the control panel that locks the door.
- Adjustment operations with some of the safety devices neutralized or partially disabled must be carried out by just one person and, while they are being carried out, no unauthorized persons must be allowed near the booth.
- Where possible, keep just one guard open at a time. Once an adjustment or maintenance operation has been completed with some of the safety devices neutralized, the booth must be restored to its safe condition, with all protection devices enabled, as soon as possible.
- Strict compliance with routine maintenance procedures indicated herein is required in order to work safely as well as to keep the booth running efficiently.
- Make sure the safety labels are in good condition and make sure you know what each means: they are necessary to avoid accidents. If they have deteriorated, been lost or belong to components that have been replaced, new original labels must be ordered from the Manufacturer to replace the old ones and must be positioned as indicated herein.
- It is worth remembering that a careful operator in good physical and mental health is the best protection against accidents.

### 2.3 EMERGENCY SITUATIONS

In case of fire, use dry chemical extinguishing media.

Do not aim jets of water at the booth: they could cause short-circuits.

### 3. HANDLING AND TRANSPORTATION

#### 3.1 TRANSPORTING THE BOOTH

This operation must be carried out by a specialized operator.

Given its weight and size (see technical specifications), the booth has to be disassembled for transport.

Make sure the hoisting means and slings or cables attached to it are strong enough to take the weight to be lifted.

#### 3.2 INSTALLATION

This operation must be carried out by a maintenance mechanic.

Floor load capacity must be suitable to withstand the weight of the system and the stress exerted under the worst-case operating conditions. The system must be positioned so that it is perfectly level.

#### 3.3 ENVIRONMENTAL OPERATING CONDITIONS

The booth is designed to work with the environmental conditions indicated below:

|             | Minimum | Maximum | Recommended |
|-------------|---------|---------|-------------|
| Temperature | 5°C     | 40°C    | 16°C        |
| Humidity    |         | 95%     | 70%         |

#### 3.4 MINIMUM WORKING CLEARANCES

A clearance of at least 1.5 m must be left around the booth and is needed for handling materials and for carrying out maintenance. On the right-hand side, enough room must be left for maintenance purposes and for opening the control panel.

#### 3.5 CONNECTION TO ENERGY SOURCES

##### 3.5.1 Mains supply connection

Connection to the mains supply must be made by an electrician in conformity with the law provisions in the user's country.

The connection point is marked on the wiring diagram.

To connect the phase wires and the earth wire, feed them inside the junction box on top of the booth and connect them to the relevant terminal board (see fig. 4).

FIGURE 4



Make sure the mains supply values match the booth's rated frequency and voltage values (see nameplate). It is advisable to fit a mains isolator upstream from the control panel. Choose one with specifications suited to the load it is required to withstand.

##### 3.5.2 Compressed air hookup

If the booth comes with a compressed air filter-reducer unit, connection must be made to the main line.

Connection to the line must be made by specialized technical personnel.

The connection point is marked on the pneumatic diagram referring to the individual unit (inside the right side, see fig. 5). Delivery pipes must be  $\frac{1}{2}$ " in diameter and connection pipes must be flexible and no less than 13 mm in diameter. Check that the minimum supply pressure value is in the range 5-7 bar.

FIGURE 5



## 4. HOW TO USE THE BOOTH

### 4.1 CHECKS AND ADVICE BEFORE STARTING

This operation must be carried out by the booth's operator.

Check the booth for damage of any kind, make sure safety devices are correctly positioned and in proper working order, and make sure all controls are set to their neutral positions.

Make sure the filters are properly fitted and clean.

Make sure the extractor turns the right way, as indicated by the relevant arrow applied near the motor.

Become perfectly familiar with the meaning and use of the various controls as illustrated below.

### 4.2 THE BOOTH'S SAFETY SYSTEMS

There are special devices that can be used to stop the booth immediately and thus avoid the danger of injury, damage to the booth or compromised treatments when such risks arise, and protect the operator and other people in the vicinity from the booth's dangerous parts or dangerous parts being treated in the booth.

When said protection devices are triggered, the booth goes into emergency stop condition and consequently, before it can be restarted, the safety system that caused the booth to stop must be reset.

#### Master switch

Red switch on a yellow background used to stop all booth movements, when danger arises, by cutting off power to the controls and motors.

#### Fixed guards

Guards that prevent contact with moving parts, or other parts of the booth that are dangerous (belt drive, fan impeller etc.), and that can only be removed with the aid of tools.

#### Extraction detection sensor

Positioned in the extractor's delivery line, it checks for air flow and triggers the clogged filters alarm, i.e. when no air is being expelled.

### 4.3 BOOTH CONTROLS

List of controls and indicator lights located on the control panel (see fig. 6 - 7):

1. LIGHTING: permanent two-position selector, switches on work zone lighting;
2. LOCKOUT: red light indicating that motor's thermal cutout has tripped;
3. START EXTRACTOR: black button for turning on the extractor;
4. ALARM: filters clogged alarm buzzer;
5. STOP: red button used to stop the system operating;
6. MASTER SWITCH: it switches on control panel power.

FIGURE 6



FIGURE 7



GB

4.4 REGULAR STOP PROCEDURE

Under normal conditions, you would stop the booth by pressing button 6 on the control panel. This action causes the extractor to stop.

FIGURE 6



4.5 POWER CUT-OFF

This action stops all booth functions and its electrically operated parts. This result is achieved using the booth’s master switch, located on the control panel, or with the disconnecter located by the mains supply connection (if one is installed). This operation should be performed only when the booth is due for maintenance or when there are hazards of an electrical nature.

4.6 TESTING

All booths produced by Spanesi S.p.A. are factory tested mechanically and electrically.

4.7 ADJUSTMENTS AND CHECKS PRIOR TO USING THE BOOTH

 WARNINGS

Before gaining access to the booth for any checking, maintenance or adjustment work, make sure the extractor’s power supply circuit is isolated and that any appointed operators are aware of the operation.

Comply strictly with the procedures given herein.

Before starting the booth, make sure all safety devices are intact and in perfect working order.

Below (see Tab.1) is a list of the main operations to be performed before starting the booth.

Tab. 1

| OPERATION                                                                                                                                       | NATURE OF DANGER                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Make sure the booth’s delivery line has been connected correctly to the extraction system by means of a flexible coupling to reduce vibrations. | <b>Danger of falling from height, cutting hazard.</b><br>This operation must be carried out by a maintenance mechanic. |
| Make sure the filters are properly fitted.                                                                                                      | <b>Cutting hazard</b><br>This operation must be carried out by the system’s operator.                                  |
| Make sure the extractor turns the right way, as indicated by the arrow.                                                                         |                                                                                                                        |
| Check for loose nuts.                                                                                                                           |                                                                                                                        |
|  <b>WARNING! Make sure the booth has been earthed.</b>       | <b>Electrocution hazard</b><br>This operation must be carried out by a maintenance electrician.                        |

## 4.8 STARTING

When starting the booth for the first time, it is important to follow the procedure given below to the letter.

Once you have carried out the checks as specified in the section above and made sure that the electrical system has been earthed, go to the controls on the control panel. Make sure the panel is connected to the power source and that the supplied voltage matches the rated value on the nameplate.

Turn the master switch (6 - Fig. 6) from 0 to 1.

Press the control buttons in the order given below:

- button work lights (1 - Fig. 6)
- button start extractor (3 - Fig. 6)

FIGURE 6



Make sure the motor turns the right way, as indicated by the relevant arrow located on the extractor housing or motor housing.

Place the part to be painted and/or sanded on a work surface or hook it onto a support and begin treatment.

Use personal protective equipment suitable for the job in question.

## 4.9 TROUBLESHOOTING

Below (see Tab. 2) are some of the simplest types of faults you are most likely to encounter that may compromise safety and the proper operation of the booth.

Should the problems persist or reoccur after you have followed the instructions given below, you must contact specialized technical personnel.

When performing work on the booth, take all possible precautions and make sure you have switched off the motor and disconnected the power supply.

Take particular note of the level of danger involved in the work indicated.

If you encounter any kind of fault not contemplated below, you must call in technical personnel authorized by Spanesi S.p.A.

Tab. 2

| Problem                                                     | Cause                                  | Remedy                     | Nature of danger                                                                                 |
|-------------------------------------------------------------|----------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------|
| Particles suspended in the air not being extracted properly | Filters clogged                        | Replace or clean filters   | <b>Cutting hazard</b><br>Operations of this kind can be carried out by the maintenance mechanic. |
|                                                             | Extraction ducts clogged               | Clean central system ducts |                                                                                                  |
|                                                             | Extractor motor thermal cutout tripped | Reset thermal cutout       | <b>Electrocution hazard</b><br>This operation must be carried out by a maintenance electrician.  |
|                                                             | Detection sensor faulty                | Replace sensor             |                                                                                                  |

## 5. MAINTENANCE AND REPAIRS

All maintenance must be carried out by skilled personnel in strict compliance with the instructions herein.



**WARNING!** Before performing any maintenance work, take all possible precautions, switch off the motor and disconnect the power supply.



**ATTENTION!** Attach a sign on the booth indicating its status: "Booth out of service for maintenance: no unauthorized personnel are allowed to approach or start the booth".

Before performing any maintenance or checks, always clean the work zone and use suitable tools in a good state of repair.

*The work intervals (see tab. 3) indicated below refer to normal operating conditions. Consequently, if the booth has had to handle a heavy workload, said intervals will need to be stepped up accordingly.*

Washing operations should be performed with the disconnecting means isolating the electrical circuits.

Clean the booth with a power washer and non-aggressive detergents, possibly with hot water, making sure all electrical parts are completely isolated.

Once maintenance is done, make sure all safety devices are intact and in perfect working order.

### 5.1 SCHEDULED MAINTENANCE

See Tab. 3

### 5.2 NON-ROUTINE MAINTENANCE

Below (see table 4) are some of the non-routine operations to remedy problems that could affect both the treatments being carried out in the booth and the actual operation of the booth.

FIGURE 8

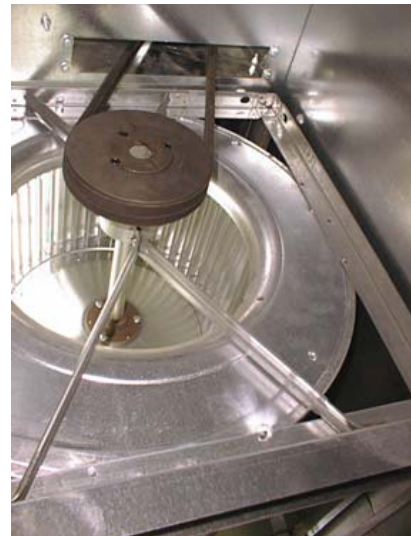


FIGURE 9



Tab. 3 - SCHEDULED MAINTENANCE

| FREQUENCY       | WORK                                                       | NATURE OF DANGER                                                                                                                                       |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Every 200 hours | Clean filters and/or replace them (see chap. 5.3)          | <b>Cutting hazard.</b><br>Operations of this kind can be carried out by the system's operator - use safety gloves and tools in a good state of repair. |
| Every 500 hours | Check belt tension (see chap. 5.4)                         |                                                                                                                                                        |
| Every 6 months  | Tighten all connections inside the control panel securely. | <b>Electrocution hazard.</b><br>This operation must be carried out by a maintenance electrician.                                                       |

Tab. 4

| WORK               | PROCEDURE                                                                                                                                                                                                               | NATURE OF DANGER                                                                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extractor cleaning | See fig. 8 - 9, remove the filter as described in the chapter entitled "cleaning filters/ changing filters". Gain access to the booth's internal compartment and clean, where necessary removing the fan from its slot. | <b>Cutting hazard and danger of falling.</b><br>This operation must be performed first by a maintenance electrician, who must disconnect the motor, then by the maintenance mechanic for the disassembly and cleaning part. A regulation platform ladder must be used. |

### 5.3 CLEANING FILTERS/CHANGING FILTERS



**WARNING!** Before cleaning or changing filters, take all possible precautions, switch off the motor, disconnect the power supply and have suitable tools at the ready in a good state of repair.

This operation must be carried out by a maintenance mechanic.

To change the filters or clean them, proceed as described below:

- loosen the screws securing the upper panels (see fig. 10 - 11) with a wrench with a 10mm star socket and take the panels out;

FIGURE 10



FIGURE 11



- loosen the screws securing the intermediate panels (see fig. 12), again with a wrench with a 10mm star socket;

FIGURE 12

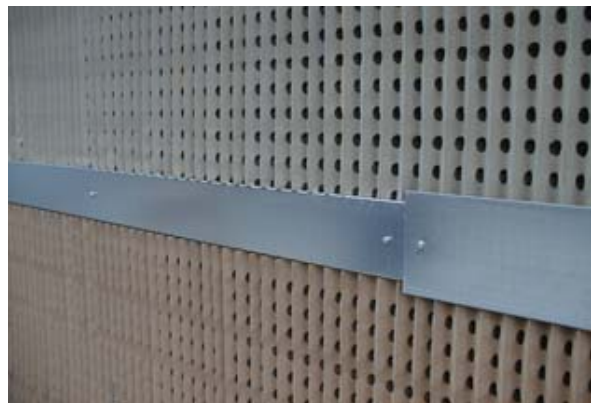


- Lift and remove the central panels, holding them by the two knobs (see fig. 13 - 14);

FIGURE 13

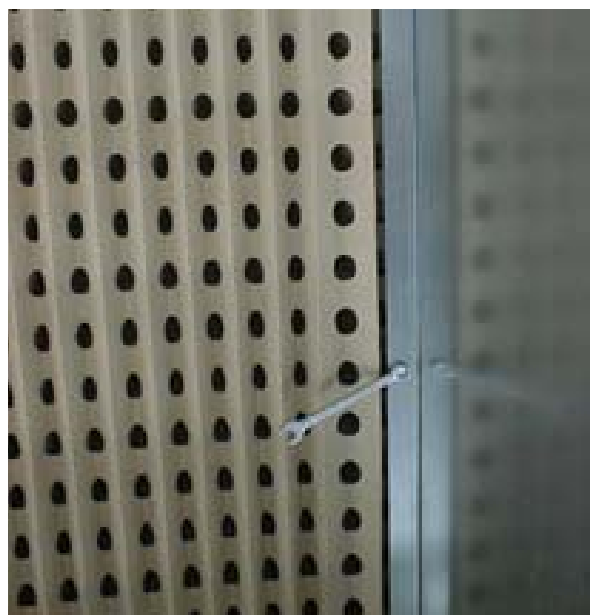


FIGURE 14



- Loosen the side screws at the top and bottom on both sides to release the filters (see fig. 15);

FIGURE 15



- remove the top and bottom filter;
- replace the two filters with the same number of new ones or blow air over them to clean them;
- repeat the procedure described above in reverse order.

#### 5.4 ADJUSTING TENSION/CHANGING THE DRIVE BELTS



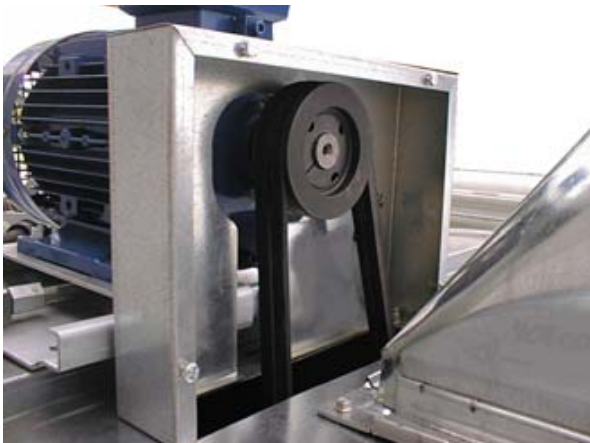
**WARNING!** Before performing any maintenance work, take all possible precautions, switch off the motor and disconnect the power supply.

This operation must be carried out by a maintenance mechanic.

To change the drive belts or adjust them, proceed as described below:

- loosen the screws securing the drive belt guard and remove the enclosure panel (see fig. 16) using a wrench with a 10mm star socket;

FIGURE 16



- using the wrench with a 22mm star socket, adjust belt tension by turning the slide screw (see fig. 17). Tension is correct when the belts flex in the middle by about 4 mm. When replacing the belts, first loosen the belts so that they are completely slack - you must always replace both at the same time;

FIGURE 17



- when adjusting and/or changing the belts, check that the keys holding the pulleys to the shafts are properly secured and lined up with each other.

FIGURE 18



Once you have finished adjustment, refit the drive belt guard cover.

## 5.5 REPLACING THE LIGHT BULB



**WARNING!** Before performing any maintenance work, take all possible precautions, switch off the motor and disconnect the power supply.

This operation must be carried out by a maintenance electrician.

To change the light bulbs, proceed as described below:

- using a platform ladder, climb up so that you can reach the top part of the booth;
- loosen the nuts securing the light fixture(s) (see fig. 19 - 20);
- remove the whole light fixture and turn it over;

FIGURE 19

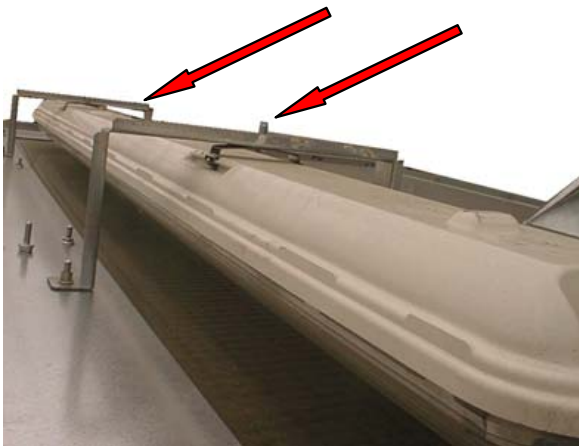


FIGURE 20



- open the clear part of the fixture and replace the fluorescent light bulb with an identical new one;
- repeat the procedure described above in reverse order.

---

## 6. MOTHBALLING

### 6.1 PREPARING FOR A PERIOD OF DISUSE

When the booth is due to be left unused for a lengthy period, you must take suitable precautions to avoid dangerous situations arising when it is started up again (by lengthy period of disuse we mean that the booth is not due to be used for a total of at least one month):

- wash the booth thoroughly with disinfectant detergents and dry it;
- inspect it carefully and replace any damaged or worn parts;
- check filters for wear and, where necessary, replace or clean them;
- check screws and bolts for wear;
- cover the booth to keep foreign matter out.

Finding the booth in a perfect state of repair when work is resumed is entirely to the user's advantage.

### 6.2 PUTTING BACK INTO OPERATION

If the booth has not been operated for 2-3 years, it will require a complete overhaul. If the booth has not been used for just a few months, all you need to do is:

- perform the scheduled maintenance as indicated in section 5.1;
- check the filters for wear.

Whatever the case, make sure the booth's safety devices are in perfect working order and check the booth's general condition.

---

## 7. DISMANTLING AND DISPOSAL

The booth does not contain substances or components that are harmful to human health or to the environment since it is produced with materials that are either fully recyclable or can be disposed of normally.



**WARNING! Contact specialized firms to handle dismantling or use particularly well trained personnel who are aware of the possible risks, who are familiar with the contents of this manual and comply strictly with the instructions therein, and who are well acquainted with how the booth works and with its features.**

Consequently, when the booth reaches the end of its service life, proceed as followed for its dismantling, exercising extreme care and complying with all safety rules indicated in chapter 2:

- disconnect the booth from its energy sources (mains supply, compressed air)
- remove the electric cables and deliver them to a specialized collection centre for disposal, acting in accordance with the specific provisions on the matter in force in the country of use
- remove all rubber parts, the control panel and any other plastic components and deliver them to a specialized collection centre for disposal, acting in accordance with the specific provisions on the matter in force in the country of use
- deliver the remaining parts of the booth, once you have removed the parts specified above, to a firm specialized in the disposal of scrap iron, acting in accordance with the specific provisions on the matter in force in the country of use.

In all cases, make sure all parts of the booth are disposed of in accordance with the laws in force in the country of use.

**GB DEFECT OR FAULT REPORT FORM**

**COMPANY IDENTIFICATION DATA**

COMPANY: \_\_\_\_\_

\_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

\_\_\_\_\_

TECHNICIAN IN CHARGE: \_\_\_\_\_

\_\_\_\_\_

**MACHINE IDENTIFICATION DATA**

SERIAL NO.: \_\_\_\_\_

\_\_\_\_\_

NAME OF MACHINE: \_\_\_\_\_

\_\_\_\_\_

DATE: \_\_\_\_\_

OTHER: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**DESCRIPTION OF DEFECT OR FAULT:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**REFERENCE DRAWING IF NECESSARY:**

**GB** SPARE PART ORDER FORM

**CLIENT IDENTIFICATION DATA**

CLIENT: \_\_\_\_\_

\_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

\_\_\_\_\_

TECHNICIAN IN CHARGE: \_\_\_\_\_

\_\_\_\_\_

**SHIPMENT DATA**

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

SHIPPING METHOD: \_\_\_\_\_

BY: \_\_\_\_\_

PORT OF: \_\_\_\_\_

**MACHINE IDENTIFICATION DATA**

SERIAL NO.: \_\_\_\_\_

\_\_\_\_\_

NAME OF MACHINE: \_\_\_\_\_

\_\_\_\_\_

PURCHASE DATE: \_\_\_\_\_

OTHER: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TECHNICIAN IDENTIFICATION DATA**

MR.: \_\_\_\_\_

\_\_\_\_\_

CONTACT AT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| CODE  | DESCRIPTION | QUANTITY |
|-------|-------------|----------|
| _____ | _____       | _____    |
| _____ | _____       | _____    |
| _____ | _____       | _____    |
| _____ | _____       | _____    |
| _____ | _____       | _____    |
| _____ | _____       | _____    |

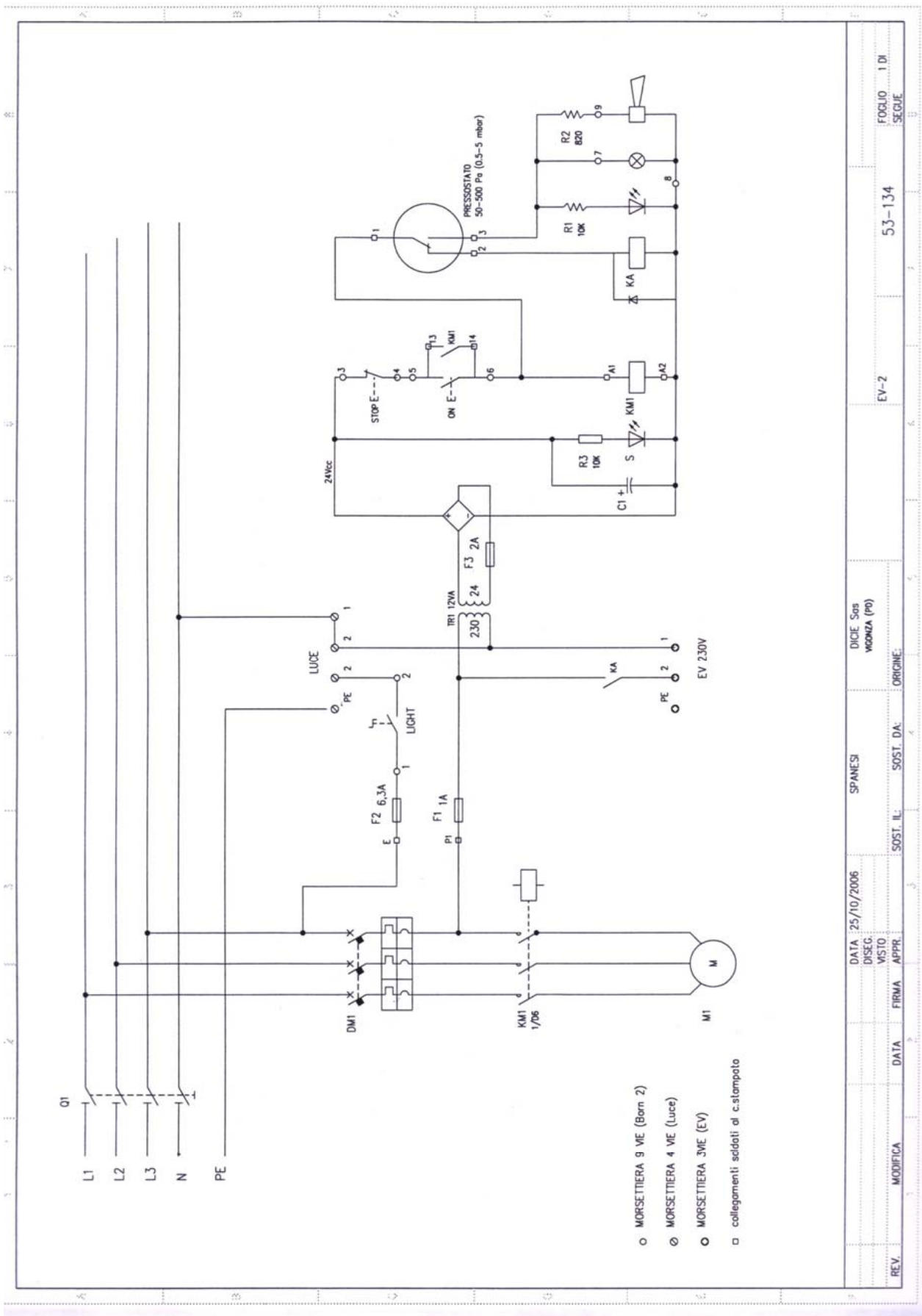
PLACE AND DATE OF APPLICATION: \_\_\_\_\_

APPLICANT: \_\_\_\_\_

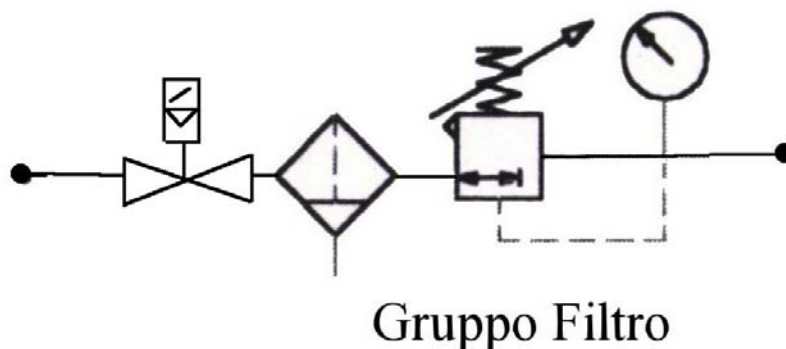
(COMPANY SEALAND SIGNATURE): \_\_\_\_\_

**THIS PART OF THE MANUAL IS MEANT FOR SPECIALIZED PERSONNEL ONLY AND PROVIDES INFORMATION REQUIRED FOR REPAIRS AND/OR TECHNICAL ASSISTANCE.**

8. WIRING DIAGRAM



## 9. PNEUMATIC DIAGRAM



Utilizzo

## 10. SPARE PARTS

"Picasso 2 m" booth

| Pos. | Description                 | Qty. | Item n°    |
|------|-----------------------------|------|------------|
|      | Pleated filter              | 2    | 10SP000443 |
|      | Drive kit                   | 1    | 10057010   |
|      | Asynchronous electric motor | 1    | 10057008   |
|      | Centrifugal extractor       | 1    | 10057012   |
|      | Fluorescent light bulbs     | 2    | 2 x 58 W   |
|      |                             |      |            |
|      |                             |      |            |

"Picasso 3 m" booth

| Pos. | Description                 | Qty. | Item n°    |
|------|-----------------------------|------|------------|
|      | Pleated filter              | 2    | 10SP000443 |
|      | Drive kit                   | 1    | 10057011   |
|      | Asynchronous electric motor | 1    | 10057009   |
|      | Centrifugal extractor       | 1    | 10057012   |
|      | Fluorescent light bulbs     | 2    | 2 x 58 W   |
|      |                             |      |            |
|      |                             |      |            |

"Picasso 4 m" booth

| Pos. | Description                 | Qty. | Item n°    |
|------|-----------------------------|------|------------|
|      | Pleated filter              | 2    | 10SP000443 |
|      | Drive belts                 | 1    | 10057011   |
|      | Asynchronous electric motor | 1    | 10057009   |
|      | Centrifugal extractor       | 1    | 10057013   |
|      | Fluorescent light bulbs     | 2    | 2 x 58 W   |
|      |                             |      |            |
|      |                             |      |            |

GB

**Spanesi S.p.A.**

Via Praarie 56/II, Loc. Cavino  
35010 S.G. delle Pertiche (PD)

**Servizio Assistenza Tecnica**

tel.: (+39) 049 9333211

Fax: (+39) 049 5741295

e-mail: [spanesi@spanesi.it](mailto:spanesi@spanesi.it)

web: <http://www.spanesi.com>