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presidio tecnologico

BY **VEMEC SRL**

# **SPRAY GUN CLEANERS**

**MODEL: 213**

**TRADE NAME: Eco Light**

## **USER MANUAL AND MAINTENANCE**

MANUAL EDITION:	2.1
MANUAL DATE:	25 October 2021
SERIAL NUMBER:	0338
YEAR:	2021

## INTRODUCTION

This manual explains how install this spray gun cleaners, its use, its cleaning and the periodic maintenance operation.

This manual has been written in way very easy to understand especially for those have never worked with this spray gun cleaners.

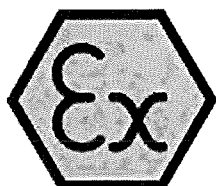
This manual is an integral part of the spray gun cleaners and it must be kept intact during the whole life of this machine.

The relevant technical documentation also includes the Technical File prepared in accordance with Directive 2014/34/EU and Directive 2006/42/EC.

**Before using the machine, carefully read the instructions next to the keyword:**

**VERY IMPORTANT:**

**CAUTION!**



Hexagon EX - ATEX 2014/34/EU Directive

The symbol EX is placed in this user manual at the side of safety instructions related to the risk of explosion.

The smooth operation of this equipment depends on the respect and observance of the instructions in this manual. **You must follow the instructions in this manual.**

VEMEC SRL disclaims any liability for accidents or malfunctions occurred due to the negligence or failure to follow the instructions in this manual.



**CAUTION!**

**Only the routine maintenance is reserved to the user.**

### ATEX MARKING CAPTION



: HEXAGON EX indicates the compliance with ATEX 2014/34/EU DIRECTIVE;

II : GROUP II represents surface equipment;

3G : Category 3G for Zone 2;

IIB : Gas group (i.e. ether, etc.);

T4 : Maximum Surface Temperature = 135°C;

TAMB : Environment temperature.

It is not expressly indicated and it must be between -20°C and +40°C.

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### Chapter 12 - Documentation

## 1. GENERALITY

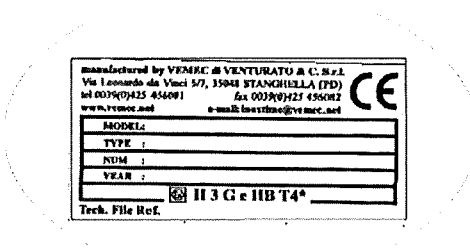
### 1.1 Technical assistance

For technical support information please refer to the company that supplied the equipment.

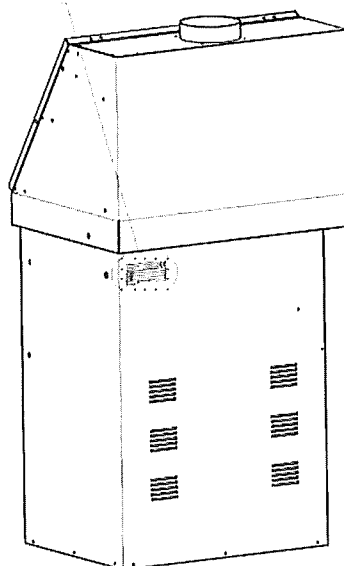
### 1.2 EC Name Plate

Picture 1.2

manufactured by		<b>VEMEC</b>		<b>CE</b>
Via Leonardo da Vinci 5/7, 35048 STANGHELLA (PD)		fax 0039(0)425 456082		
tel 0039(0)425 456081		e-mail <a href="mailto:inoxtime@vemec.net">inoxtime@vemec.net</a>		
www.vemec.net		p-mail <a href="mailto:inoxtime@vemec.net">inoxtime@vemec.net</a>		
<b>MODEL :</b>				
<b>(4.0)</b>	<b>TYPE :</b>			<b>(4.0)</b>
<b>NUM :</b>				
<b>YEAR :</b>				
<b>II 3G IIB T4</b>				



Picture 1.3



## 2. MACHINE DESCRIPTION

### 2.1 General

This model is a piece of equipment for manual or automatic cleaning of spray-guns or parts.

This machine is supplied with a double-membrane pneumatic pump for the automatic cleaning with dirty liquid and the rinsing with clean liquid. Cleaning and rinsing take place inside the basin. If equipped with its working box, the manual cleaning is done through three VENTURI system that bring the liquid to 3 devices: BRUSH, NEBULIZING JET and CLEAN LIQUID TAP. These three devices extract the clean liquid from the drum located in the lower part of the machine.

This machine is equipped with a blowing air gun which allows the drying of the pieces. The flow of harmful vapors to the chimney tube of the machine is allowed thanks to an extraction /expulsion system. VEMEC SRL doesn't provide the flexible tube that connects to the extraction system of the company.

This machine has a stainless steel structure and it is divided in three areas.

The first area is the lower part and this is the place intended for the jerrycans containing the liquid used for the cleaning and rinsing operations. In this area is also located the pump.



**CAUTION! In this area it is absolutely forbidden to deposit any type of material.**

In the second area are made the washing operations in manual mode (on the left side) and the automatic mode (on the right side). The controls are located outside the machine in this area.

In the third area finally there is the extraction hood.

PICTURE 2.1 IS SHOWN THE STRUCTURE OF THIS MACHINE.

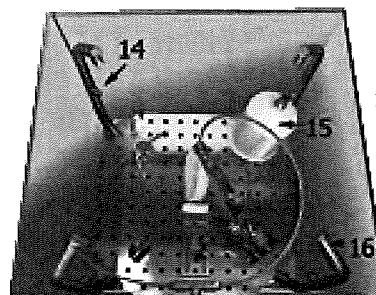
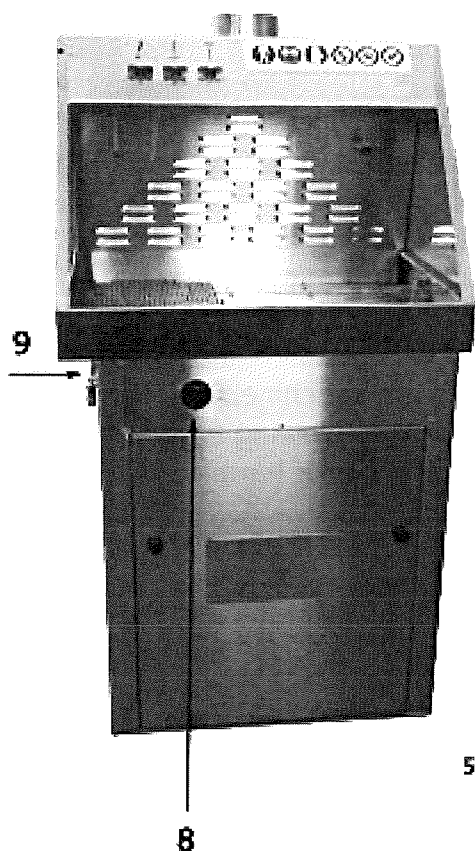
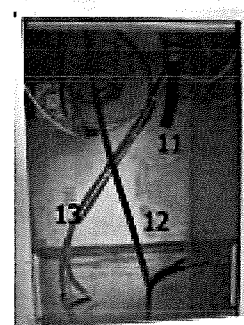
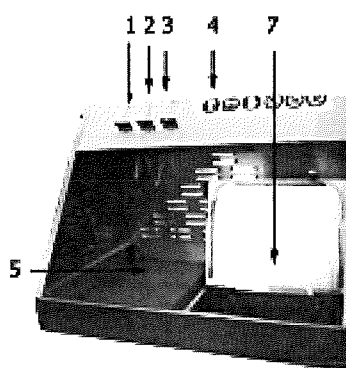


figura - image A



cod 213-1

dim. mm	600x800x1460h
vasca-basin mm	400x400x350h
tubo di evacuazione-extraction chimney	150mm
peso-weight Kg	67
pressione aria - air pressure	4 - 8
fusti utilizzati - tins	n° 2



**DANGER!!! BEFORE USE BE SURE TO SELECT THE RIGHT LIQUID FOR THE WASHING OPERATION**  
**ATTENZIONE!!! PRIMA DELL'USO ASSICURARSI DI AVER SELEZIONATO IL LIQUIDO APPROPRIATO PER LE OPERAZIONI DI LAVAGGIO**

### 2.1.1 – COMPONENT EXPLANATIONS

1. Valve on/off drip "CYclone"
2. pipe for nebulized jet
3. valve on/off air to the machine
4. extraction chimney (10)
5. manual working plain
- 6.
7. lid for basin
8. timer for automatic wash
9. air connection
10. extraction chimney
11. draining part from basin to the can of waste liquid
12. pipe with filter for waste liquid
13. pipe for cleaning liquid
14. nozzles
15. cap washing nozzle
16. "spider" washing system

## 2.2 Technical Data

Size and Weight (Chart 2.2.a). (Chart. 2.2.a).

Chart. 2.2.a

Weight[kg]	70
Width [mm]	800
Depth [mm]	600
Height [mm]	1630
Working plan width [mm]	740
Working plain depth [mm]	460
Working Plan height [mm]	430
Basin width [mm]	380
Basin depth [mm]	380
Basin height [mm]	340
Utilisable tin number	2
Working plan bearable weight [kg]	30
Diameter of the chimney tube [mm]	180

Data supply equipment (Chart 2.2.b).

Chart. 2.2.b

Operating pressure [bar]	max 6
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**FOR REASONS OF RENOVATION AND/OR  
IMPROVEMENT OF THIS MACHINE, VEMEC SRL  
RESERVES THE RIGHT TO MAKE WITHOUT NOTICE  
AND ANYTIME THE DATA AND INFORMATION  
CONTAINED IN THIS MANUAL.**

### 3. INTENDED USE

This machine has been made in stainless steel and it is intended exclusively for the automatic and manual cleaning of spray guns and/or small objects, and/or small parts, smeared of paint.

This machine **MUST NOT** be used for the cleaning or the degreasing of parts intended to get in touch with food substances.

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This machine MUST be used only for the use that the manufacturer conceive for and with the limitations set forth in this Manual.  
Any other use different than specified in this Manual is improper therefore unreasonable.



**Caution!**

**The manufacturer cannot be held responsible for any damage caused by improper use of this machine.**

**In this cases the warranty cannot be claimed for the restarting of the machine.**



Before every shift start or new cycle, it is essential and necessary to check if the liquid used is corrosive.

If you see any corrosion signs on worktop, it is recommended to stop immediately the functioning of the machine and replace the liquid used.



Avoid strenuous efforts during the operations of loading/unloading of the workpieces.

Any handling of heavy parts must be made through the use of appropriate means, such as forklifts, whatever.

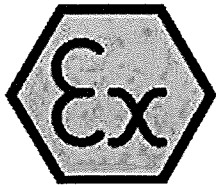
**Note:**

*In Italy this aspect concerning the handling of loads (lifting, pushing or pulling weights with manual force) is regulated by Legislative Decree n° 9 April 2008, 81 - see the section on manual handling of loads and movements repeated all 'interior of Title VI and Annex XXXIII.*

*It is the duty of Managers or Supervisors of the company where it is inserted and used this machine, establish an appropriate DRA (Document of the Risk Assessment of the Worker).*



### 3. INTENDED USE (FOLLOW)

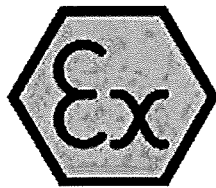


The equipment can be used in dangerous areas (where there can be a potentially explosive atmosphere) classified as ZONE 1 or ZONE 2 according to the following definition:

ZONE 1: a place where an explosive atmosphere (caused by gas or vapors mixed to air) is probable to occur occasionally during the normal operation.

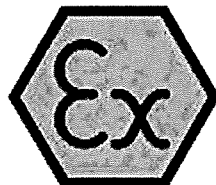
ZONE 2: a place where an explosive atmosphere (caused by gas or vapors mixed to air) is no probable to occur during the normal operation, but, if it occurs, it will persist for only a short period.

It is absolutely forbidden to use the equipment in areas classified differently (ZONE 0, ZONE 20, ZONE 21 or ZONE 22).



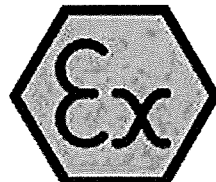
The equipment is suitable for operating with flammable liquids of Group IIB and with a flashpoint of 200°C. .

It is therefore forbidden the use of the equipment with flammable liquids of other type not compatible.



Terms of use:

- The operating temperature should be between  $-20^{\circ}\text{C} \leq T(^{\circ}\text{C}) \leq +40^{\circ}\text{C}$ .
- Atmospheric pressure.



On the following page it is provided (as example) a drawing machine in which are highlighted the different areas.

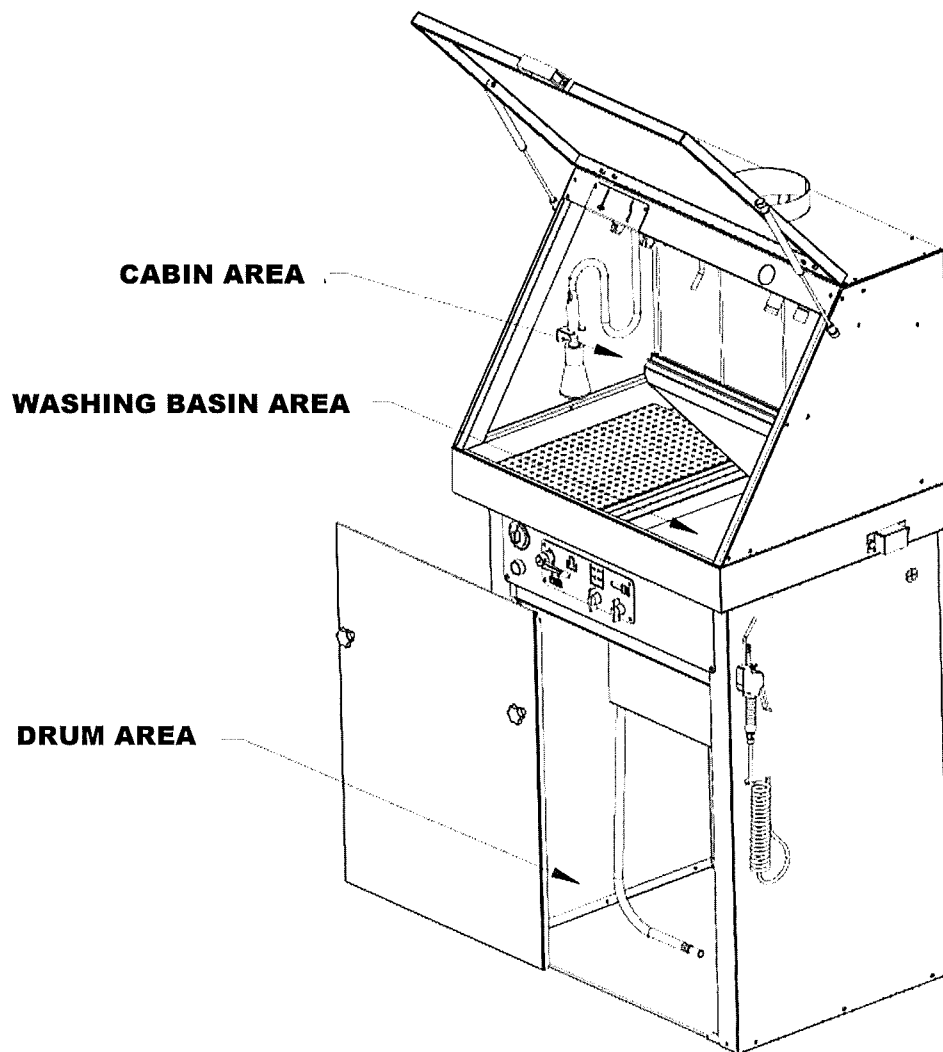
In the equipment there can be a ZONE 0 (WASHING BASIN) defined as follow:  
A PLACE WHERE AN EXPLOSIVE ATMOSPHERE (CAUSED BY GAS OR VAPORS MIXED TO AIR) IS PRESENT CONTINUOUSLY, OR FOR LONG PERIODS OR FREQUENTLY.

**Within the ZONE 0 there are no source of ignition own, excluding electrostatic charges (which were duly considered), therefore, the part of the equipment (WASHING BASIN) with the presence of the Zone 0 falls outside the scope of the ATEX 94/9/CE DIRECTIVE, so that, the equipment is not marked for Category 1.**

### 3. INTENDED USE (FOLLOW)

**Note to the drawing:**

- The washing basin is suitable for ZONE 0 or ZONE 1 or ZONE 2.
- The cabin is suitable for ZONE 1 or ZONE 2.
- The drum area is suitable for ZONE 0 or ZONE 1 or ZONE 2.



## 4. SAFETY INFORMATION

In designing and building this machine there have been adopted policies and actions to meet the essential safety requirements expected by the following directives:

<b>4.1 Legal Regulations</b>	Lgs. Decree 9 April 2008, n° 81	Law on Health and Safety at Work
	Lgs. Decree 27 January 2010, n° 17	Legislative Decree for the implementation of Directives 2006/42/EC relating to Machines.
	European Parliament Directive 26 February 2014, n° 34	Regulations for the implementation of Directive 2014/34EU concerning equipment and protective systems intended for the use in potentially explosive atmospheres.
<b>4.2 Technical rules</b>	EN 60204-1 (2006)+A1	Safety of machinery. Electrical equipment of machines. Part 1: General.
	UNI EN ISO 12100 (2010)	Safety of machinery - General principles for design - Risk assessment and risk reduction.
	UNI EN 1127-1 (2011)	Explosive atmospheres - explosion prevention and explosion protection - Part 1: Basic concepts and methodology.
	UNI EN 13463-1 (2009)	Non-electrical equipment intended for the use in potentially explosive atmospheres - Part 1: Method and basic requirements.

The full documentation of actions taken to guarantee the safety is in the machines technical file and it is stored at the manufacturer.

[TECHNICAL FILE RECEIPT N° **35157445** STORED AT TÜV NORD].

#### 4. SAFETY INFORMATION (FOLLOW)

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**CAUTION!** It is strictly forbidden the use of this machine by not qualified staff or not properly trained.



**CAUTION!** It is absolutely forbidden to use the water to extinguish a fire. Use CO2/dust/sand fire extinguisher.



**CAUTION!** In case of contact of the skin or eyes, with products used for cleaning, follow the safety instructions of the manufacturer of the product.



**CAUTION!** It is forbidden to remove the prohibition and danger signs applied to the machine. In the event of damage or non-readability is required the immediate replacement.

#### 4.3 Safe use



1. The local must be prepared by all means (windows, security doors, adequate lighting, etc.) required by the Legislative Decree 81/2008 Consolidated Law concerning the health and safety of workers at the workplace.
2. The machine must be positioned in a well-ventilated and covered area with a temperature above + 10 °C.
3. The machine must be positioned on a floor with a collection tank of suitable capacity, for the recovery of any liquid leaked.
4. Only use cleaning products and cold detergents intended to washing machines by sprinkling.



5. We recommend to acquaint yourself with the controls and their functions before starting work.
6. Before using the machine it is essential to check the integrity of all safety devices.



7. It is forbidden to store objects of a not suitable size, or with a weight exceeding 30 kg on the worktop or on the basin.

#### 4. SAFETY INFORMATION (FOLLOW)



8. The disposal of the products used for the washing of the pieces must be performed in compliance with the laws and regulations in force.
9. The machine employs fixed guards and protections appropriate for protecting workers from the dangers that can be reasonably eliminated or sufficiently limited by design.



10. Despite the measures adopted, there are other risks that are independent of the manufacturer and, therefore, in the front of the machine there are the prohibitions and warnings to follow to operate in safe both during normal use and in the case of maintenance.

Inter alia:

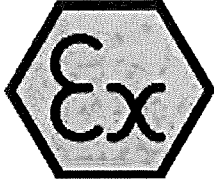
- The worker must use rubber gloves resistant to abrasion of the solvent (EN 374) to avoid the hand contact with the product used in the washing.
- The worker must always use protective goggles to prevent that any spray product may get in touch with the eyes.
- The worker must use a chemical agent resistant overalls to avoid the contact with the product used in the washing.



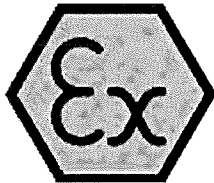
The measures of the noise level produced by this machine were carried out according the provisions of Directive 2006/42/EC and of the Law 81/2008: the level of weighted equivalent continuous sound pressure A, at a distance of 1 meter from the surface of the machine and 1.60 meter height from the ground and is less than 80 dB (A).

Only in the event that the Manager or the person in charge of the company where the machine is installed has defined on the DVR the use of personal protection equipment for hearing (such as headphones or earplugs moldable silicone, rubber or plastic or other material meets the standards for PPE - Personal Protection Equipment), then that provision shall prevail over the instructions of this Manual.

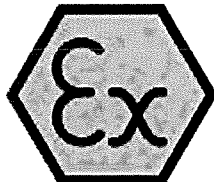
#### 4. SAFETY INFORMATION (FOLLOW)



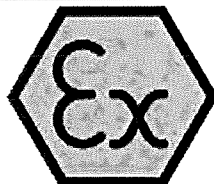
All the staff involved in installation use and maintenance of the machine and all components, should receive technical training appropriate to the tasks to be performed in particular for the use in areas with potentially explosive atmosphere.  
Any changes made to the machine may void the safety requirements.  
Always follow the manufacturer's instructions.



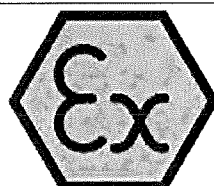
The user must make sure that the appliance which will be installed on the machine has been properly secured (from the point of view of the explosion risk), before being launched.  
Make sure that the "explosion protection document" as required by the ATEX Directive 1999/92 / EC (Decree 81-2008) has been drawn up.



The staff in charge to install the machine must verify the correspondence of the specific process with the features of the machine shown in the plate (in particular regarding the permitted maximum projected areas).  
In case of incoming material with product features that are not compatible with the machine, it is forbidden to use the machine.



The suction fan connected to the machine by the user it must be ATEX certified in relation to the areas of use.



**THE PUMP SAFETY REQUIREMENTS ARE IN THE USER MANUAL OF THE PUMP. THE PUMP USER MANUAL IS SUPPLIED WITH THE MACHINE.**

## 5. INSTALLATION

### 5.1 Transport and unloading

The machine is supplied with its packing and it must not be overturned nor during the transport nor during the installation.

After the unpacking also make sure that the machine don't have any damages caused during the transport and not visible at the first sight.

The packing may be disposed of as municipal waste.

Thanks the reduced weight of the machine (66 kg), this can be handled by two people, or with the help of a cart, or by hand without the use of lifting equipment.

Place the machine on a perfectly horizontal flat surface to allow the proper.



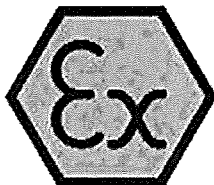
**CAUTION!** Make sure that the air regulator is connected to the junction of the graft inlet air and the ground terminal is connected to perfection..



**CAUTION!** Make sure that the safety device that interrupts the wash cycle when the lid of the basin is opened functions properly.



**CAUTION!** Make sure that air emissions are within the limits permitted by law.



Before installing the machine check for any damage caused by the transport. The tools used for the installation must comply with EN 1127-1 rule in relation to the area of use.

As a first operation, make the grounding of the machine with the ground wire and verify the proper functioning.

The grounding is equipped with visual indication by symbol to "EUROPEAN RULE"

During the start-up phase, make the following checks:

- verify the proper grounding of the machine.

During the testing and delivery of the machine it must be made adequate training to the staff that performs maneuvers of installation, commissioning and normal functioning.

## 5. INSTALLATION (FOLLOW)

### 5.2 Installation and assembly



The operations of the installation, adjustment and testing, as well as electrical work, however slight, must be performed by qualified staff.

During the installation of this machine, it should be checked and if necessary adapted, the technological sites in the place of destination of the machine.

#### **CAUTION!**

**THE COMPRESSED AIR PRESSURE THAT FEEDS THE MACHINE MUST BE AT LEAST 5 BAR.**

**VEMEC SRL RECOMMENDS TO ADJUST THE INLET AIR PRESSURE TO 5/6 BAR.**

**IT IS STRICTLY NOT RECOMMENDED TO USE A PRESSURE HIGHER THAN 6 BAR.**

**THE COMPRESSED AIR MUST BE FILTERED AND DRIED.**

The presence of impurities in the compressed air carries the bearings of the pump to easily deteriorate, and then to lock the pump.

The presence of oil in the compressed air brings the pump to operate in an not optimal way, greatly reducing the life of the pump.

#### *INSTALLATION*

Place the machine on a perfectly horizontal flat surface.

Connect the machine mass to the equipotential protection system through the point prepared in the back of the machine with a conductor of appropriate section (recommended 10 sq.m). Connect the air inlet hose (the air should be filtered) [9] on the left side of the machine.

Connect the conveying vapour chimney tube (not supplied by VEMEC SRL) in a vertical position for at least 100 cm to the chimney ring of the machine (the diameter is 18 cm) placed in the upper part of the cabin and connect it with a reduction system of atmospheric emissions.

Open the front door lower pulling out the two black knobs. Fill a jerrycans (CLEAN) with 15 liters of clean liquid and insert the suction filter [5] of the three VENTURI system.

Fill the other jerrycan (DIRTY) with the remaining liquid, about 15 liters, and insert the exhaust tube [17] inside it. Finally close the door.



## 6. OPERATING INSTRUCTION

Before starting to use the «spray-gun washer» machine, it is obligatory to read and understand the instructions written.

### 6.1 – First washing

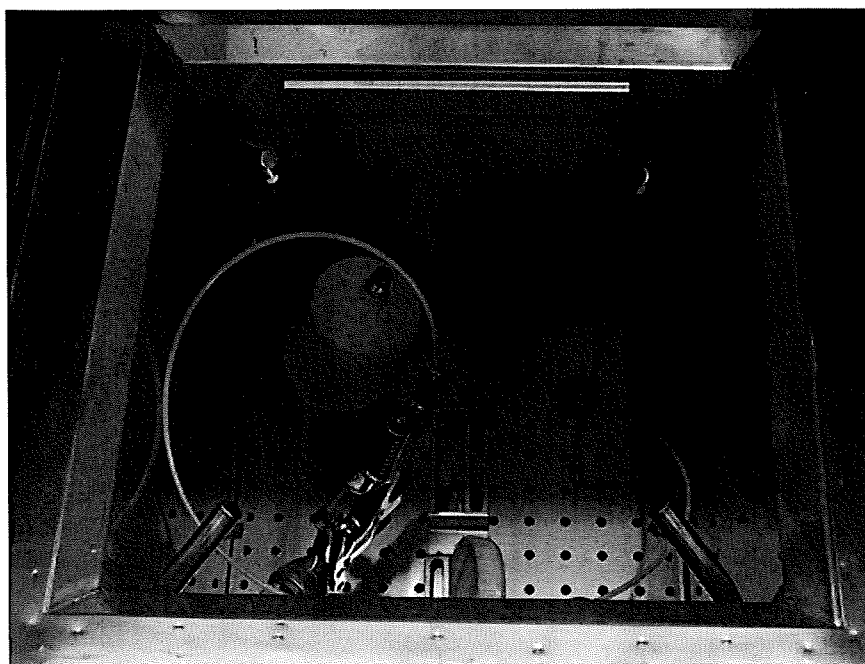
Dismantle the gun and empty it in a suited container.

Lift the «spray-gun washer» machine cover .

Lift the basin cover (7), lay the gun tank on the proper support so that the nozzle sprays inside the tank. Lay the gun cover on the proper support.

Insert inside the air connection of the spray-gun the air pipe, the better think is to use an appropriate fixer to make this connection.

Insert the spray-gun in the proper nozzle .Press the spray-gun trigger and insert the clip on it, so that this can remain pressed.



Close the basin cover.

Open the pump feeding tap – The vapour aspiration will start and the vapours will be conveyed into the chimney by the extraction nozzle.

Start the timer (8) by turning it clockwise till the desired time. – The used solvent will start to go out from the nozzles inside the basin to execute the first piece washing.

If during the washing the basin cover is opened, the pump stops , the washing stops and the vapour aspiration starts again, as the safety minivalve moves.

After finishing the washing time the pump stops, and the vapour aspiration starts again.

Function not present

### 6.2 – Automatic Final Washing

### 6.3 –Manual Rinsing

Open the tap to have clean solvent from the brush.

Execute the final washing of the spray-gun pieces.

After finishing the final washing, close the tap.

Close the «spray-gun washer» machine cover.

## 6. OPERATING INSTRUCTION (FOLLOW)

### 6.4 – Different Pump Use

Any pump different use is not foreseen in comparison with the normal use.

### 6.5 – Washing with different substance

It is possible to wash the spray-guns also with water. In this case the water must be demineralized and mixed with proper additives to avoid that oxides develop both on the spray-gun and on the «spray-gun washer» machine.



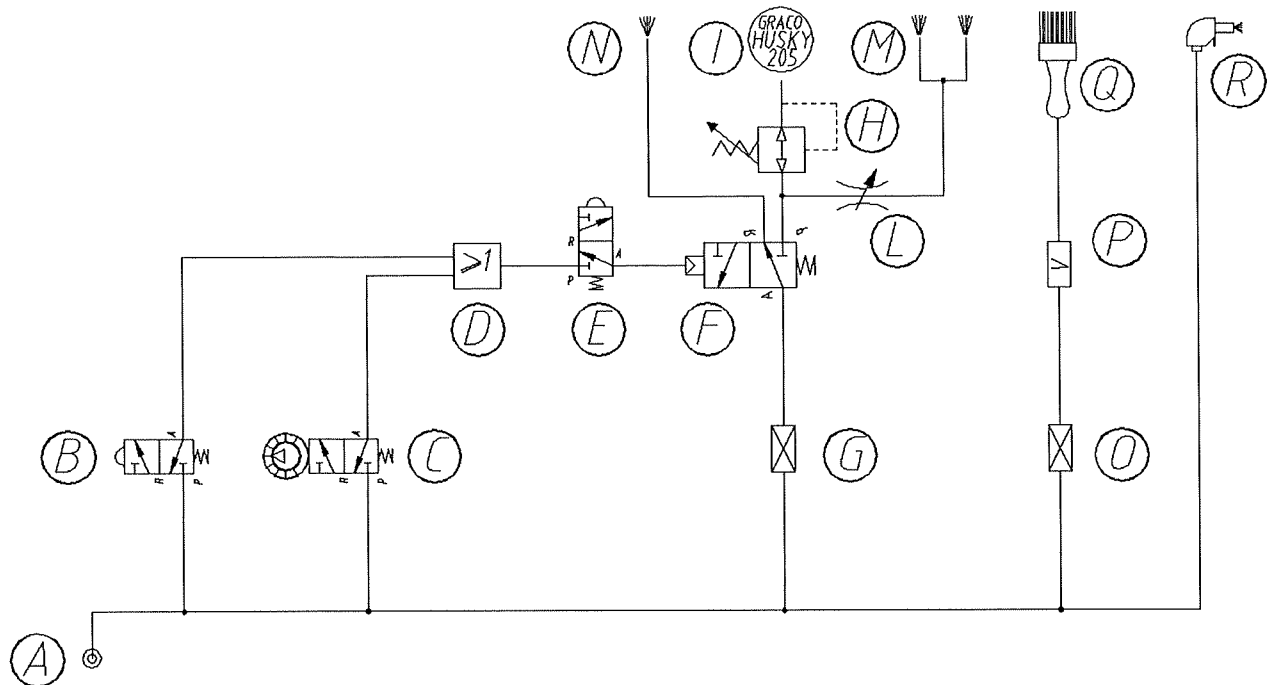
**Warning!** It is forbidden the contemporaneous or subsequent use of a diluent and/or a different washing liquid. The choice of the type of liquid must be done before the equipment installation!

## 7. PNEUMATIC SYSTEM

### 7.1 – Functional Scheme

The functional scheme of the pneumatic system is described in the Fig. 7.1.

Fig. 7.1 this is referred to the complete line of machine



- A: air entrance
- B: 3/2 minivalve on the final washing push-button
- C: 3/2 minivalve on the TIMER
- D: "OR" automatic valve
- E: safety 3/2 minivalve (7)
- F: pump feeding 3/2 valve
- G: pump feeding ball-valve (5)
- H: pressure regulator valve (9)
- I: pneumatic pump DEBEM CUBIC 17
- LTMIN
- L: valve which regulates the blow air capacity (10) in the basin
- M: blow pipes for the spray-gun inside
- N: nozzle (19) for the vapour extraction in the basin
- O: feeding brush ball-valve (4)
- P: diluent aspiration venturi pump
- Q: brush
- R: compressed air distributor

### 7.2 Functioning

- After connecting the entrance air (A) by starting the distributor air (R) you obtain compressed air with the same feeding pressure.
- By starting the ball-valve (O) you feed the pneumatic pump (P).
- By starting the ball-valve (G) you feed the pneumatic pump (I) by the pressure regulator (H), the minivalve (C), the manual control valve (B), the safety minivalve (E), the automatic selective valve (D) and the pneumatic driving valve (F).

## 8. MAINTENANCE

### 8.1 Ordinary maintenance

All the operations which can be done by the user are included in the ordinary maintenance. They are cleaning, periodic and preventive inspections that allows the use in safety of the machine.

Operations not listed in this paragraph are to be considered of extraordinary maintenance and must be performed by qualified personnel.

The ordinary maintenance operations are the following:

- Cleaning of the working surface and the internal parts of the machine;
- Cleaning of the internal grid of the basin;
- Cleaning of the nozzles;
- Cleaning of the cylindrical filter;
- Cleaning of the level probes;
- Cleaning of exterior of the machine with a neutral product with a soft cloth;
- Top up or replace the cleaning liquid.

### 8.2 Maintenance periods

TABLE 8.2 show the checks and the interventions period of the machine parts.

**TABLE 8.2**

Part	Periodicity
• Cleaning of the working surface and the internal parts of the machine;	• Weekly;
• Cleaning of the internal grid of the basin;	• Weekly;
• Cleaning of the nozzles;	• Weekly;
• Cleaning of the cylindrical filter;	• When necessary;
• Cleaning of the level probes;	• When necessary;
• Top up the cleaning liquid;	• When necessary;
• Replace the cleaning liquid;	• Every 15-20 days;
• Cleaning the inside tubes;	• Every 15-20 days;
• Cleaning the basin;	• Every 15-20 days;



#### **CAUTION!**

**IN THE CASE OF OCCASIONAL USE OF THE MACHINE REPLACE THE CLEANING LIQUID AT LEAST EVERY MONTH.**



#### **CAUTION!**

**IT IS ABSOLUTELY FORBIDDEN DISCHARGE THE LIQUID CONTAINED IN THE BASIN IN THE SEWERAGE.**

### 8.3 Extraordinary maintenance

The extraordinary maintenance operations can be done only by qualified staff.

### 8.4 Parts

Contact the seller of the machine.

## 9. DEMOLITION

### 9.1 Machine deactivation

Once the machine reach the end of service of its life, it must be shut down and in conditions of no longer be used for the purposes for which at the time had been designed and constructed for. It should nonetheless be able to make possible the re-use of raw materials that constituted the machine.



#### **CAUTION!**

**THE MANUFACTURER DOES NOT ASSUME ANY RESPONSIBILITY FOR DAMAGE TO PEOPLE OR PROPERTY RESULTING FROM THE REUSE OF PARTS OF THE MACHINE FOR FUNCTIONS DIFFERENT TO THE ORIGINAL ONES.**

### 9.2 Dismantlement procedure

Before starting the dismantling operation disconnect the air supply. Delimit an equipped area adequately sized and proceed to the dismantlement of the various parts of the machine by adopting the safety devices.

Recycle the different type of materials and refer to specialized disposal company by ensuring that that company complies with the regulations regarding the respect of the environment.

Follow these steps:

1. Turn off the machine;
2. Disconnect the air supply;
3. Recover the residual product;
4. Remove and disconnect the various parts of the machine;
5. In case of the handling of the machine refer to the point 5.1.



#### **CAUTION!**

**THE DISMANTLING AND DEACTIVATING OPERATIONS OF THE MACHINE MUST BE DONE BY PROPERLY EQUIPPED TRAINED STAFF.**

## 10. TROUBLESHOOTING

INCONVENIENT	POSSIBLE CAUSE	REMEDY
1. After the «spray-gun washer» machine has been fed with compressed air, it does not deliver liquid to the distributor.	1. The pressure is not enough to make the pump run. 2. The distributor feeding valve is not opened. 3. The pump is stalled.	1. Check the air feeding system. 2. Open the distributor feeding valve. 3. Call for technical assistance to release the brake of the pump.

## 11. WARRANTY

### 11.1 Warranty coverage

This model supplied by VEMEC SRL has a 12 month warranty coverage. The warranty starts from the date of the delivery note (Italy) or from invoice (abroad).

The warranty does not cover parts subject to normal wear and any damage caused as a result of knocks, falls, improper use, tampering or negligence in the use by the customer..

Any defects on the machine during the warranty period may not lead to insolvency or delay in the payment.

### 11.2 Warranty management

The warranty completion take place at VEMEC SRL headquarter. The warranty completion can also be done at the customer's site in case of written agreement and payment fees.

After confirming that the anomaly of the machine comes from an actual product defect, VEMEC SRL at its discretion will repair or replace the machine in the shortest possible time.

The possibility of replacing the machine is ruled out before making an attempt to repair it.

In the case the machine needs the replacement, the warranty will be the residual of the replaced machine.

### 11.3 Return of defective equipment during the warranty

Returns are accepted only if previously authorized and must observe the practices described below:

- Upon detection of defects or faults the customer must contact VEMEC SRL and describe the problem;
- A technician of Vemec Srl first will make a telephone intervention;
- In the case the defect cannot be solved with a telephone intervention, VEMEC SRL will send by fax/email a form that the customer will fill in all its parts and send back by fax/email.
- The machine will be delivered to VEMEC SRL by carrier with transport cost paid by the customer - (**Ew Works**) - and with its original packaging.
- In the case VEMEC SRL will be found that the problem is not attributable to a defect of the product, VEMEC SRL will charge the intervention cost (the time that VEMEC SRL has used for the diagnosis and testing).
- The absence of the origin packaging will lose the warranty if at the sole discretion of VEMEC SRL, its absence was able to compromise the integrity of the property.
- In the delivery note of the machine it should be shown "warranty repair" and the machine serial number (indicated in the label at the back).

Note: returns not comply with this will be rejected.

## 11. WARRANTY (FOLLOW)

### **11.4 Third party liability**

VEMEC SRL rejects any responsibility for any damage, direct or indirect, to property and/or persons resulting from the failure or incorrect use of machinery supplied.

### **11.5 Product support**

VEMEC SRL only limited to the supply of the machine to the customer and it is therefore excluded any assistance that goes beyond the normal problems of product functionality.

**VEMEC SRL is committed to the above only to its directly buyer and excludes any direct intervention on subsequent buyers.**

### **11.6 Warranty duration**

The warranty provided by VEMEC SRL is that indicated in the delivery note of the machine. If the seller of the machine supplied by VEMEC SRL covering different periods of warranty the buyer can contact the seller for the performance the warranty.

In this case the warranty provided by VEMEC SRL will be less, unless a different agreement is reached between the parties.

The warranty is also void if the buyer tries to repair his own or by third parties of goods supplied.

## 12. DOCUMENTATION

Pos.	Description	Codice documento <sup>1</sup>

Table 12.1.2 lists components produced by other manufacturers installed in the machine and they must be equipped with the compliance requirements of with technical standards in force.

Table 12.1.2

Pos.	Description	Manufacturer	Type	CE	Con	Cert.	Istr.
<b>Built-in drive</b>							
	Cubic pump	DEBEM SRL		X			
	Pneumatic parts	METAL WORK		X			
	Gas springs	VAPSINT		X			
<b>Electrical devices</b>							
<b>Personal Protective Equipment (PPE)</b>							
<b>Protection material</b>							
<b>Chemical products</b>							

### <sup>1</sup> Legend

- DR Drawings available on request
- DA Drawings enclosed to this manual
- DoR Documents supply components available on request
- DoA Documents regarding equipment components enclosed to this manual