# Instructions for the usage of PNEUMATIC FILLING MACHINE



## Introduction

**Caution!**

Read the instruction manual carefully before using the machine.

It is mandatory to wear gloves, safety glasses and coveralls when using the machine.

# 1. General notes

**Intended use:** The PNEUMATIC FILLING MACHINE is used for the quick and easy filling of pre-filling spray cans with lacquer. The cans are already filled with propellant and solvent.

For the intended use it is necessary that
- the surrounding temperature has to be between 5° and 40°C
- the daily amount of filling laquers don't rise above 5 kg
- the filling machine has to be kept dry
- the filling has to be in a well-ventilated place
- the substrate is suitable for a stable stand of the filling machine
- the filling machine has to be kept away from sources of ignition
- the filling machine has to be appropriate cleaned

## 1.1 PNEUMATIC FILLING MACHINE is consists of:

Exterior: Stainless steel chassis, high quality steel body and door
Control elements
Base plate
Compressed air connection

Interior: Mobile lifting device with can pressing plate
Paint dispensing cylinder and locking device
Mobile piston and filling adapter

Dimensions: 32 x 25 x 78 cm
Weight: 26Kg
Noise level: Sound pressure level below 70 dB(A)

## 1.2 Benefits of PNEUMATIC FILLING MACHINE:

- Suitable for filling medium quantities
- Easy to use
- The piston is removable and it is not fixed to the machine, to allow easier cleaning and care
- Easy cleaning and reduced maintenance
- Adjustable pedestal and transport handle
- The lower part can be unscrewed in the place of use
- Reduced space requirements, relatively low weight
- Rapid filling times
- Fast amortisation of costs thanks to low cost of consumables

## 1.3 Benefits of using the MANUAL FILLING MACHINE:

- The parts that come into contact with the enamel paint do not require cleaning
- Less contact between skin and solvents
- Reduced filling times
- Reduced use of solvents for rapid colour changes
- No wear of piston or cylinder associated with filling operations

# 2. Prescriptions for use of PNEUMATIC FILLING MACHINE

## 2.1 Instructions for use

PNEUMATIC FILLING MACHINE can be used for filling of enamel paints and varnishes made by different manufacturers and in different volumes in blank cans already pre-charged with solvent and propellant. The cans are designed to hold 400ml and are tested to 15 bar pressure. The 400ml cans are pre-charged with approximately 300ml (depending on the product) of a solvent-propellant mixture so they have space for a fill volume of approximately 100ml. The cans are filled with paint under pressure.

## 2.2 Assembly and implementing

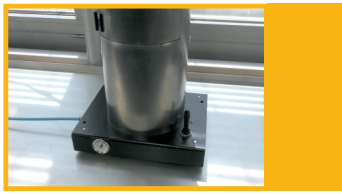
Put the filling machine on a safe and solid work place and, as the case may be, adjust with the variable pedestals.

Collect the compressed air hose to the inlet fitting on the left-hand side.

Set the pressure to the required value of 6 - 8 bar.

## 2.3 Assembly

Place the unit on a stable work surface and adjust the levelling feet if necessary to ensure it is perfectly stable. In addition, the base of the unit can be screwed to the work surface.



## 3. Aerosol can filling

Wear work apparel, gloves and safety glasses!

### 3.1 Standard 400ml

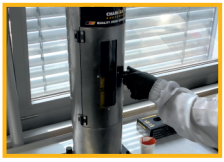
Remove the nozzle.

Put the empty metal cylinder on.

Filtrate the paint.

Pour in paint.

Insert can and cylinder into unit using both hands.



Close the door.

Move lever to start filling process.

Keep lever pressed for at least two seconds.

After filling open the door and extract can.

Fit nozzle immediately with a slight twisting movement.

Clean Teflon piston and metal cylinder.

## 4. Cleaning

**4.1** Clean the cylinder and piston immediately using an appropriate solvent for the type of fill product, thus preventing the paint from drying on the components.

**Caution!**

- Dry pain residues could lead to lack of precision in the position of the positon and cylinder Resulting in abrasion of both parts
- Imperfect cleaning could result in changes of colour hue

If using the CleanJector, the cylinder and piston cleaning process is not required. Extract the CleanJector and discard it with waste materials; the cylinder is now once again ready for use.

**4.2** Immediately clean the mobile filling piston with soft and absorbent fabric or a moistened cloth to ensure the piston is clean and ready for use for the next filling process (not applicable if the CleanJector is used).

## 5. Safety instructions

**Caution!**

When used correctly, the filling machine does not constitute a source of danger for personal injury. The goal of complete safety can be achieved by observing the following safety prescriptions.

- Perform the filling process with the machine door closed. Use exclusively original spare parts and components (cylinder, piston, adapter or CleanJector)
- It is mandatory to wear work apparel, safety glasses and gloves when handling paints and during the filling process
- Do not eat, drink or smoke during the filling process
- Do not light flames or create sparks

If there is a risk whatsever involved in running it, the filling machine has to be switched off immediately and to be marked accordingly to avoid re-starting.

Operator safety may be a risk if:

- there is visible damage to the filling machine
- the filling machine is not working as specified
- the filling machine has been stored under unsuitable conditions for a longer time

In case of doubt, please return filling machine to manufacturer for repair or maintenance

## 6. Maintenance

- The machine has no special maintenance requirements
- The machine does not require lubrication
- Thorough cleaning is very important, otherwise dry paint fragments can cause damage (correct positioning of the cylinder is likely to be compromised so normal filling is not possible)

## 7. Troubleshooting

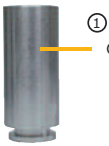
Problem: **Leaks from the piston, fluid drips from leaks in pipes.**

**Check:** For possible damage of the valve/cylinder/adapter (this could occur in the case of a faulty component or because of incorrectly executed cleaning)

**Solution:** Replace the affected parts.

## 8. Accessories and spare parts

| Description: |
|---|
| ① Cylinder |
| ② Piston |
| ③ Adapter |
| ④ Set (cylinder/piston/adapter) for 400ml |
| ⑤ Conversion set (metal cylinder + metal piston) |
| ⑥ CleanJector 72 pc. |



① Cylinder

② Piston

③ Adapter

④ Set: Cylinder, piston, adapter for 400ml

⑤ Conversion set

⑥ CleanJector

## 9. Warranty - Liability

Correct operation of the filling machine is guaranteed for a period of twelve months. The warranty is not applicable in the case of mechanical damage or problems resulting from improper use. The warranty will lapse also in the case of use of non-original spare parts or accessories.

**The manufacturer declines all liability in the following cases:**

- Filling machine used for purses other than filling aerosol cans
- Filling machine not installed in compliance with the installation instruction
- Incorrectly performed maintenance
- Filling machine has been re-built
- Use of non-original spare parts
- Failure to observe the operating instructions