

INSTRUCTION MANUAL



ISO 4

ISOL INTERNATIONAL®

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TABLE OF CONTENTS

Contact	P 3
Caution	P 4 to 6
1. Generality	P 4
2. Security	P 4
2.1. Symbols and signals	P 4
2.2. Personnel qualification	P 5
2.3. Danger in case of non – compliance of the instructions	P 5
2.4. Instruction of security for the user	P 5
2.5. Machine modification and use of unapproved spares parts	P 5
3. Unauthorised modes of uses	P 6
4. Travel and storage	P 6
4.1. Travel	P 6
4.2. Storage	P 6
5. Guarantee	P 6
Data sheet	P 7
Machine performance table	P 8
Commissioning the machine.....	P 9
Maintenance of blates and volutes.....	P10
Engine and air filter maintenance.....	P11
Troubleshooting	P 12
Technical sheet	P 13

CONTACTS

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CAUTION



THANK YOU FOR READING THIS DOCUMENT AND THE RECEIPT OF YOUR MACHINE BEFORE ITS COMMISSIONING.

YOUR MACHINE HAS BEEN SUBJECT TO MANY OPERATION TESTS IN OUR WORKSHOPS, AND ACCORDING TO INTENSIVE STANDARDS.

ITS HANDLING IS EASY AND ITS EFFICIENCY IS HIGH

DEPENDING ON THE PRODUCTS USED, THE ADJUSTMENT OF THE MECHANICAL VARIATOR ALLOWS FLOWS OF UP TO 30 kg/min.

THE MATERIAL IS STANDARD IN ACCORDANCE WITH EUROPEAN DIRECTIVE 2006/42/CE

NEVER TOUCH THE ROTATING ELEMENTS WITH HANDS OR ANY OTHER PART OF THE BODY- UNDER NO CIRCUMSTANCE NEVER GET ON THE MACHINE

1. GENERALITY

About this document- Read this entire manual carefully before installing or using the machine.

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The assembly and operating instructions are an integral part of the equipment and must always be available near the product at all times. Strict adherence to these instructions is a necessary condition for the correct installation and use of the equipment.

Writing the assembly instructions and commissioning corresponds to the hardware version and the security standards in force on the date of printing

Note – We strongly recommend that this guide be read by relevant managers and administrators, as well as maintenance personnel, so that they can assist those who use the equipment on a daily basis. Be sure to follow all instructions mentioned in this manual.

2. SECURITY

This manual contains essential instructions which must be observed during assembly and use. It is therefore essential that the installer and the operator of the equipment become aware of it before proceeding with assembly and commissioning.

The instructions to be observed are not only those for general safety in this chapter, but also those for particular safety which appear in the following chapters, accompanied by a danger symbol

2.1 SYMBOLS AND SIGNALS

SYMBOLS



: General danger signal



: Instructions on electrical hazards

SIGNALS

- ✓ **DANGER!** = The user submits to an extremely dangerous situation which involve bodily injury (major) if the indication is not followed.
- ✓ **CAUTION!** = there is a risk a damaging system component (example: polyurethane)
« **Caution** » signal instruction whose non-observance may cause damage to the equipment and its operation.
- ✓ **NOTE** = useful note on handling the product. She points out the possible difficulties.

2.2 PERSONNEL QUALIFICATION

Care should be taken to ensure that the personnel required to use the equipment are qualified

2.3 DANGER IN CASE OF NON-COMPLIANCE OF THE INSTRUCTIONS

Failure to observe the **safety instructions can constitute a danger to property and people**. It may also result in the **suspension of any warranty claim**.

More specifically, the dangers involved may be the following:

- a. Danger to people due to electrical and mechanical influences
- b. Failure of the prescribed maintenance and repair process
- c. Property damage

2.4 INSTRUCTIONS OF SECURITY FOR THE USER

The instructions should be observed to exclude any risk of accident. The user must be qualified specialist who has read the contents of the manual. All installation operations must only take place if the corresponding components are stopped.

2.5 MACHINE MODIFICATION AND USE OF UNAPPROVED SPARE PARTS

Any modification of the machine can only be carried out with the prior authorization of the **ISOL INTERNATIONAL®** brand. The use of original spare parts and accessories authorized by the manufacturer guarantees.

The use of other parts releases the company from any liability.

3. UNAUTHORIZED MODES OF USE

The values mentioned in the user manual or the technical data sheet should under no circumstances be exceeded, both maximum and minimum. The operational safety of the delivered machine is only guaranteed if the requirements specified in this document are met.

4. TRAVEL AND STORAGE

4.1 TRAVEL

According to European directive 2006/42 of May 17, 2006, you must ensure the stabilization of the machine during your transport with suitable fixings (straps, support bars...)

4.2. STORAGE

We recommend that you store your machine in a dry place away from bad weather.

5. GUARANTEES

ISOL INTERNATIONAL® machines are guaranteed for 24 months from the date of invoice. The warranty does not include wearing parts (wear plate, fan blades, fan disc...)

CAUTION! Risk of material damage! In case of moving, incorrect transport and storage will result in material damage to the device.

This carding machine is intended for blowing glass fibers, rock, cellulose, ceramics and all insulating products in flakes.

Due to its mechanically welded sheet metal design, it combines lightness and strength. Thanks to its Ø 125 mm casters, its movement is easy.

Its 13 hp thermal engine allows you to be autonomous and efficient in your activity.

ISO 4



<u>FEATURES</u>	<u>ISO 4</u>
Dimensions (m)	L=0,90 l=0,86 H=1,06
Weight	120 Kg
Motor	Thermal 13 HP gasoline HONDA (or equivalent)
Pipe diameter	Ø 100 mm
Length pipe maxi	40 m
Drop maxi	20 m
Power supply	Manual
Flow	According to products: up to 350 kg/h

MACHINE PERFORMANCE TABLE

Materials	Manufacturers	Product name	Machine flow in kg / h	Machine output in m ² / h in R7
ROCK WOOL	ROCKWOOL	Rockprime	Until 350	Until 51
GLASS WOOL	ISOVER	Comblissimo	Until 350	Until 92

COMMISSIONING THE MACHINE

VERY IMPORTANT

AS THE ENGINE OF THIS MACHINE DOES NOT HAVE OIL LEVEL INDICATOR LIGHTS, IT IS NECESSARY AND IMPERATIVE TO CHECK THIS BEFORE STARTING THE MACHINE. IN THE EVENT OF FAILURE TO COMPLY WITH THE INSTRUCTION, THE MANUFACTURER'S WARRANTY WILL NOT APPLY

STEPS :

1. IMPERATIVE – CONNECT THE PIPES TO THE MACHINE BEFORE STARTING
2. START THE ENGINE
3. IDLE FOR 2-3 MINUTES
4. INCREASE ENGINE SPEED
5. BRING THE PIPE INTO THE ATTIC
6. CUT THE INSULATING BAG INTO FLAKES IN HALF
7. POSITION IT ON THE MACHINE
8. OPEN THE HALF – BAG WITH A CUTTER
9. REMOVE THE WOOL BY HAND BY DIRECTING IT TOWARDS THE SUCTION HOLE IN SMALL QUANTITIES (SO AS NOT TO BLOCK THE FAN)
10. PROCEED WITH THE BLOWING

MAINTENANCE OF BLADES AND VOLUTES

The machine requires maintenance when it delivers less product and it's too heavy. The engine of the machines must be stopped.

The only part of the machine that tends to wear out is where the product flows, either:

1) **There are 6 fan blades :**

To change these blades, all you have to do is remove the front flange by removing the 8 nuts around the fan with a 13 mm spanner.

Remove the closing flange from the left of the machine.

You have in front of you the ventilation disc with its 6 blades.

To remove the blades, use a 13 mm socket wrench, unscrew the 6 screws on the inside of each blade. Remove the screws, take the disc out of the hub then proceed to disassemble the blades, then replace the used blades with new ones. Replace the fixing screws with their respective washers.

2) **Check the friction volute at the same time:**

The wear of this part should be checked each time the fan is opened.

When this volute is worn, especially in the upper part, change it by unscrewing the 2 nuts located near the fiber outlet, on the right of the machine, using a 13mm spanner.

Remove the defective volute and replace it: do not forget to refit the fixing nuts.

Refit the front flange by securing it and tightening the nuts with the 13mm spanner.



ENGINE AND AIR FILTER MAINTENANCE

Access to engine and air filter maintenance is provided by tilting the loading platform.



5. PULL THE PIN



4. ROLL UP THE POLYURETHANES FLATS



6. LIFT THE HOOD



3. LIFT THE LEVER



1. FIX THE HOOD ON THE LEVER

TROUBLESHOOTING

ANOMALY	RESOLVE
The engine will not start	- Check if the ignition is on - Check the oil level - Check the fuel level - Check the fuel level - Vérifiez le niveau de carburant - Check whether the air filter is clogged - Check if the fuel tap is not closed
The machine sucks and blows badly	- Check whether the disc blades are worn - Check whether the drive belt is loose

Before any intervention, we advise you to take a photo before any intervention in order to facilitate the reassembly of the equipment.

In the event of a problem, our technical service is at your disposal to resolve the anomaly with you and help you use your equipment in optimal conditions.

CONTACT :

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Depending on the case, we may be asked to offer you the option of troubleshooting by Visio-assistance.

