



CONTENITORI
ACCIAIO INOX
MACCHINE ENOLOGICHE

marchisio
s.p.a.



PORTELLE E CHIUSINI
ACCESSORI
ACCIAIO INOX

INSTRUCTION MANUAL



HYDRAULIC PRESS

ATOLLO

SERIAL NUMBER:

YEAR OF CONSTRUCTION:

Index-2

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1/00

CHAPTER 1

INTRODUCTION

1.1 Aim of the Instruction and Operator's Manual

This instruction and operator's manual should stay with the machine throughout its service life. Therefore, if the Alfa press is ever sold to third parties, the manual and other documents must go with it in order to guarantee the operator's and user's safety.

This manual provides all the information for proper utilization of the Alfa press, and thus makes it possible to:

- install the machine
- set the machine
- use the machine
- maintain the machine
- dismantle the machine

The manual is designed for both user and the operator who do the above tasks, specifying qualifications (as needed) with reference to paragraph 1.2

If the instructions set forth in this manual are not followed, the manufacturer will not be liable for any consequences deriving from such negligence. Furthermore, in the event of:

- improper use of the machine
- utilization that goes against specific national standards
- lack of required maintenance
- unauthorized modifications or work
- use of different, that is not original or specific spare parts
- failure to follow the instructions

the manufacturer will not be liable for any risks. The manual cannot be considered a reference if any modifications that change the machine configuration are planned or made. In such cases, the manufacturer will be liable for manufacturing defects only.

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1.2 Definitions

User - Machine

"User" defines the person who, because of his/her qualifications, will continuously use the machine.

In this Manual the word "machine" refers to the Alfa hydraulic press.

As set forth in the essential requirements of the European Directives, the procedures set forth in paragraph 1.1 should be carried out ONLY by personnel qualified for the specific activity.

The level of qualification is based on the activities the operator is authorized to perform on the basis of the manufacturer's standards.

Qualification Level 1

Level 1 personnel do not have any specific preparation, but are authorized to perform simple tasks relative to the operation of the machine.

Qualification Level 2 (Maintenance Mechanic)

Level 2 personnel are specifically trained in using HYDRAULIC machines.

Such personnel are authorized to make settings and carry out ordinary and special maintenance work as described in this Manual. Specific preparation regarding work to be done on the machine is achieved through training by individuals who have received instruction from technicians, and through a careful reading of this Manual.

1.3 How the Manual is Arranged

This Instruction and Operator's Manual was designed on the basis of the guidelines set forth in the Machine Directives (89/392) and the standards referred to therein. The Manual is arranged as follows:

- Identification page, plate data (correlated with the specific machine).
- Table of Contents
- Attached Documents

1.4 Keeping the Manual

The Alfa press Manual must be available to the user at all times. Therefore, it must be kept in a special place near the user's work station in order to allow the machine to perform and operate correctly.

The Manual must be kept in a place that is protected from heat, moisture or other environmental conditions that may damage it. The Manual must be complete in all parts in order for the user to be fully acquainted with its features.

Therefore, check the Manual against the Table of Contents.

If the Manual is lost or irremediably damaged you may obtain another copy from the manufacturer.



CHAPTER 2

GENERAL DESCRIPTION

2.1 Technical Features

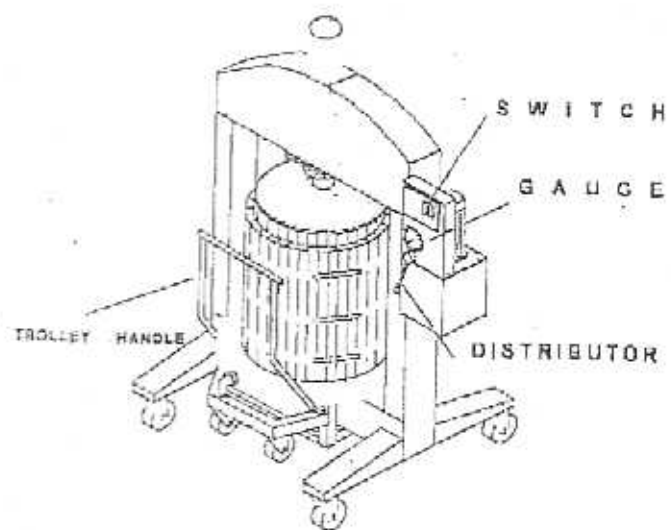
MODEL	SINGLE/THREE PHASE MOTOR	CAGE DIAMETER	NR.CAGES	RAM DIAMETER	PRESSURE Kgf	DIMENSION	WEIGHT Kgs
ALFA 60	1P/1	D.50x65	1	D.70	13.500	90x100x175 H	232
ALFA 60 1G	1P/1	D.60x75	1	D.90	22.300	110x132x205 H	365
ALFA 60 2G	1P/1	D.60x75	2	D.90	22.300	130x160x205 H	495
ALFA 60 1CE	1P/1	D.60x75	1	D.90	22.300	110x132x205 H	403
ALFA 60 2CE	1P/1	D.60x75	2	D.90	22.300	110x220x205 H	510
ALFA 70 1CE	1P/1	D.70x85	1	D.110	33.300	120x145x225 H	570
ALFA 70 2CE	1P/1	D.70x85	2	D.110	33.300	120x230x225 H	712
ALFA 80 1CE	1P/1	D.80x95	1	D.130	46.500	125x155x250 H	806
ALFA 80 2CE	1P/1	D.80x95	2	D.130	46.500	125x270x250 H	1055

2.2 Machine Units and Components

See diagram

2.3 Operations

The hydraulic gearcase is powered by an electric motor and controlled by an automatic-locking gauge. The gearcase activates a hydraulic piston, that presses the grapes or the grape husks downwards inside the cage. The liquid squeezed out then flows into a basin under the cage and comes out from the discharge pipe.



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2.4 Operating conditions

This machine was designed and built for specific uses. It must only be used for pressing grapes and grape husks.



WARNING

This machine cannot be used for other purposes. Failure to observe the instructions for mounting the optional devices or any unauthorized changes or modifications will cancel both the warranty and the Certificate of Conformity to European Directives. The manufacturer also will decline all liability for any damages to persons or things.

2.5 Information and warnings on the machine

MACHINE	_____	MODEL	_____
Voltage	_____		_____
Phases	_____		
HZ	_____		
W	_____		
Year of manufacture	_____	_____	
SERIAL NUMBER		_____	

This plate is attached to the machine body and is clearly visible.

This warning is on all covers that require access for removal.



SWITCH OFF POWER
BEFORE REMOVING
COVERS



This warning is on the control panel and is clearly visible.



This warning is on the fields of the electric control panel.

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CHAPTER 3

INSTALLING THE MACHINE

3.1 Transportation and packing

The four casters on the base of the machine must be removed for transportation; the machine is positioned on a wood skid, covered with plastic and tied.

In special cases, the machine can be packed in wooden crates or tanks with labels showing the weight, baricenter and the "UP" position.

In addition to the machine, the packing contains the accessories ordered and the technical documentation.

The packed machine can be moved on a transpallet or fork lift. If the machine has to stop for any period during transport, the packing will be suitable for safe storage.

3.2 Features for installing the machine

The machine must be installed in a suitable area with sufficient space around it to permit proper operation and functioning.

3.3 Connections to the power supply

Attach the electrical plug and connect to the power supply.

The ALFA press requires 1.5 Kw (all the models).

3.4 Recommended environmental conditions

The Alfa press is designed and built to operate in suitable environments. Therefore, the reference environment parameters are the following:

- * Temperature, above + 10° C
- * Humidity, between 40% and 60%

It is advisable for the personnel who are constantly around the machine to use ear guards to protect their hearing.

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CHAPTER 4

OPERATING INSTRUCTIONS

4.1 Preparing the machine for use

Connect the power supply cable to an outlet, carefully checking the voltage.

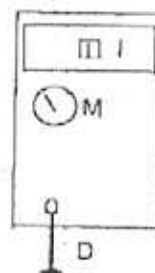
4.2 Controls, descriptions and procedures

I) CONTROL SWITCH

M) PRESSURE CONTROL GAUGE

D) HYDRAULIC DISTRIBUTOR

- Centred for neutral position
- Left for up position
- Right for down position



CONTROL BOARD

4.3 Operating modes

Fill the cage with grapes or grape husks alternating them with the special mats supplied with the machine.

Guide the rotating plate or trolley under the press.

Turn on the switch and turn the distributor lever towards left to start the pressing phase.

Regulate the manometer to the required pressure, not lower than 100 Bar.

The machine automatically stops itself upon reaching the required pressure, then starts up again automatically.

The recommended pressing cycle last about 40 - 50 minutes.

In the end of the working cycle turn the distributor lever to the right and wait until the piston lifts back into its original position.



CHAPTER 5

MAINTENANCE

5.1 Ordinary maintenance and cleaning

Clean the machine as carefully as possible since residues can damage the product.

Wash the machine if it is out of service for more than 10 hours.

5.2 Fault location

IF DURING THE PRESSING PHASE LIQUID GUSHES FROM THE CAGE:

You have to keep the distributor lever in the central position for a few seconds.

IF THE MOTOR DOES NOT START:

Make sure that all the electric wires, especially from the gauge, are correctly connected.

If nothing seems out of place, bond the two contacts to the gauge wires, inside the electric panel.

If the motor starts, the problem is due to the gauge, if not it is caused by the motor.

IF THE PUMP DOES NOT RUN:

Check the oil level inside the tank, then turn the electric panel on and off at least 10 times.

If the pump runs, allow the piston to go down to its lowest limit, then let it rise back up so that it lets air out from the hydraulic circuit.

If the pump still does not operate we advise that you call a technician.



CHAPTER 6

ATTACHMENTS

6.1 Warranty

The machine(s) is (are) supplied with a T.E.M. warranty that is valid for **12 months** from the date of shipment (the date on which the shipping notice is issued).

The warranty does not cover glass parts, knobs, lamps, signal lights, fuses, esthetic and removable parts made of plastic such as parts and components which, by nature, are subject to wear: microswitches, solenoid valves, etc.

The warranty does not cover damage during transportation, damage caused by incorrect installation or maintenance, incorrect electric or pneumatic supply, negligence or improper use; or use that does not comply with the instructions in the Manual.

Furthermore, the warranty does not cover faults due to mishandling or work done by persons other than T.E.M. technicians or persons authorized by T.E.M.

The T.E.M. warranty entitles the customer to prompt replacement of those components or parts which are defective due to poor quality or poor workmanship.

The warranty does not include compensation for damages or production stoppages.

Charges for transportation to and from our factory in Tavarnelle V.P., customs duties, import/export fees and other taxes or expenses related to delivery of machine parts and/or components under warranty to our factory and return to the customer will be paid by the customer.

The warranty expires **12 months after the date of shipment**, and any repairs, replacements or service shall be charged at our rates which are in effect at the time.

ELLI MARCHISIO & C. S.p.A.

Via Mazzini, 14 PIEVE DI TECO (IM)

Isr. Reg. Imp. e Cod. Fisc.: 00112480082

Cap. Soc. € 780.000 i.v.

DATE _____

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CHAPTER 7 (additional chapter)

TWO-SPEED CONTROL UNIT

7.1 Set-up

- Connect the wire to the electrical plug.
- Start the machine by moving the red Mains Switch to the "1" position.
- At this point, it is important to check the rotating direction which is shown on the rear of the gearcase.
- Position the lever underneath the gauge to a down position.

7.2 Use

- If you wish to use the Double-Speed option turn the red-handled lever on the side of the gearcase. **BE CAREFUL** not to go into pressing phase with the Double-Speed activated.

N.B. The Double-Speed remains activated for as long as the lever is turned. Letting go of the lever will automatically cause it to return to its original position.

The machine can be switched to neutral mode by keeping the distribution lever in an upright position. (N.B. Maximum pressure is 350 bar)

As the machine is already connected to 220 V, 60 HZ, it is now ready for use.

