

Operating Instructions

Vacuum Packaging Machine
Type **VC999® 04i**

+ **VC999** [®]

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Art.no 511.938

PREFACE

For whom are these Operating Instructions intended?

- For those operating the machine
- For those maintaining the machine (maintenance / cleaning)

What do these Operating Instructions contain?

In these Instructions you will find information on

- Correct use of the machine
- Residual Dangers
- Safety
- Operation
- Trouble Shooting
- Customer Service

These Operating Instructions give important data needed for safe and economical working with the machine.

What you must do straight away!

Read through these Instructions carefully before start-up and take note of all recommendations, particularly those dealing with safety.

What do these Instructions not contain?

These Instructions for use are not a repair manual!
You will not find any information on repairs here.

What must be done if selling the machine?

When selling the machine pass on these Operating Instructions to the buyer.

Important: Please inform us at once of the name with full address and telephone / fax number, so that we can inform the buyer of important emergency safety measures.

Declaration at handing-over: Operating Instructions

(1) Machine

Vacuum Packaging Machine

Type

VC999® 04i

Machine number

Year of manufacture

(2) Address of Customer

(3) Declaration

The machine described in (1) has been acquired by us. When receiving the machine we were given the Operating Instructions for

Machine No

In the languages

No

No

handed over

Stamp of firm

Date

Signature of Customer

(4) Day machine was handed over

(5) Operating, servicing and maintenance staff

The following persons were nominated by the Customer, were introduced to and instructed in the operation of the machine by me and their attention drawn to hazardous points, incorrect methods of work, installation, operation, attention and maintenance.

Name (Customer's Staff)

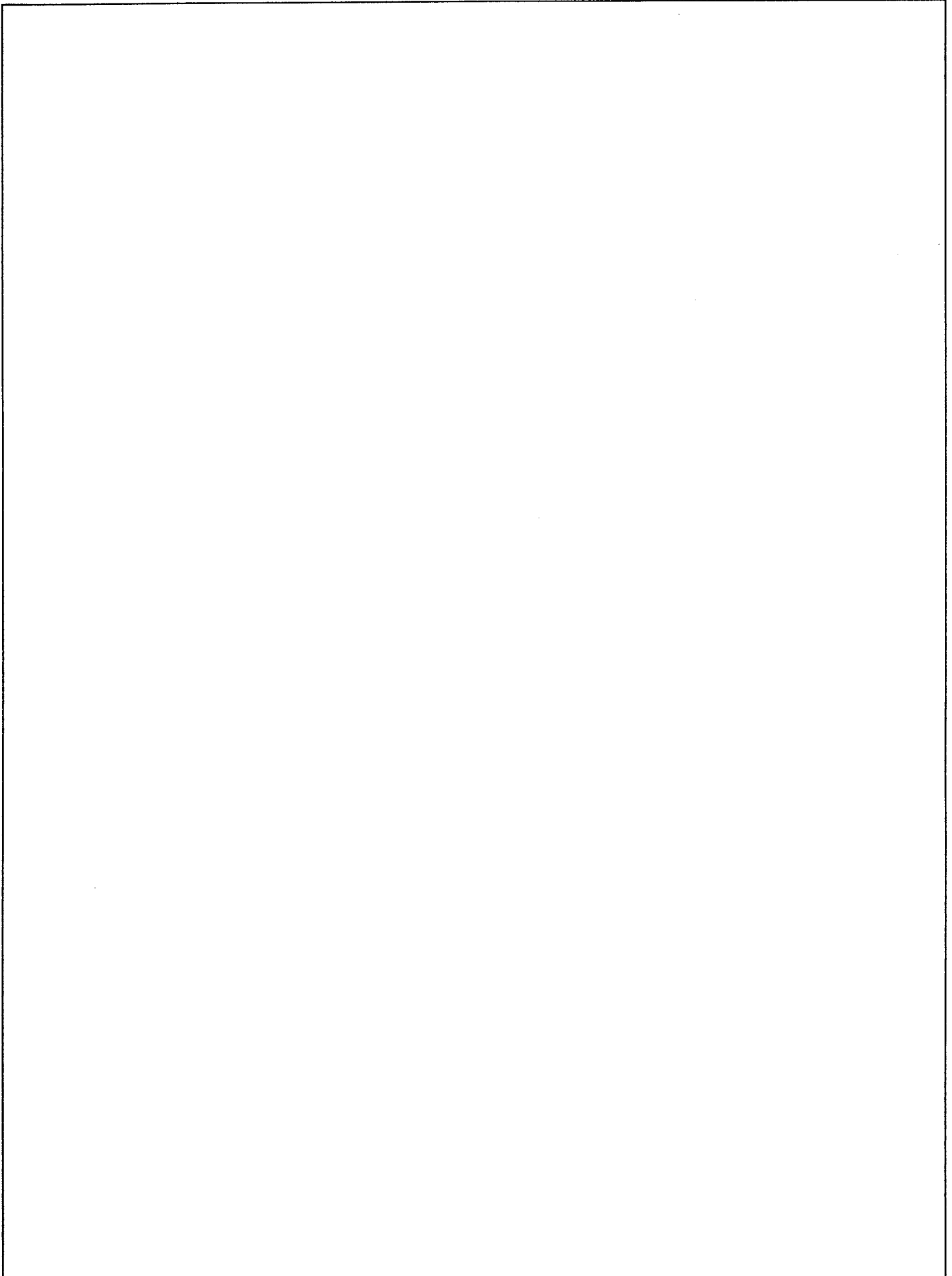
Signature

Stamp of firm / signature of Customer

(6) The machine was handed over to the Customer by

Date

Signature Service Representative



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1 Machine Identification

Description of machine: **Vacuum Packaging Machine VC999®04i**
These Operating Instructions apply from machine no. 0494 152.....

Address of Manufacturer and Customer Service for VC999® Machines

Inauen Maschinen AG
Melonenstrasse 2
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Telex 882 777

Country of origin: Switzerland

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Represented by

When ordering spare parts please quote

Vacuum Packaging Machine Type VC999® 04i
Machine No
Year of Manufacture
Supply Voltage

The type plate is on the left side of the machine.

Note

Replacement parts must meet the technical requirements of the manufacturer of the machine.
Use only VC999® original spare parts.

2. Use in Accordance with Instructions and Area of Application

The Type VC 999®04i Vacuum Packaging Machine may only be used in accordance with the machine specification stated in the confirmation of order.

Use in accordance with instructions also includes the observance of the conditions for commissioning, operation and maintenance laid down by the manufacturer, and allowance for foreseeable malfunctions. Any use outside this area is to be regarded as not in accordance with instructions and the manufacturer accepts no liability for any resulting damage.

Machine without Inert Gas Equipment Suitable for

Vacuum packaging of solid and liquid products, mainly in the meat trade - e.g. meat products, sausages ect. in sealable vacuum bags. The machine may, however, also be used for goods from the non-food sector (medical, electrical and mechanical components)

Not suitable for

Pressure-sensitive products which might be damaged by the vacuum and the tightly-fitting packaging foil.

Machine with integrated Inert Gas Equipment (optional)

Suitable for

Vacuum packaging of food and non-food items, solid or liquid, such as meat, cheese, vegetables, coffee, medical devices, electronics and mechanical components in heat-sealable bags.

Advantages of inert gas packaging

- Pressure-sensitive products can be packed without damage
- Increased shelf life and preservation of the natural colour of the product

DO NOT PACK



**Living Creatures
Products that may produce
explosive or poisonous vapours**

Requirements for the Operating Staff

The Type VC 999®04i Vacuum Packaging Machine may only be operated and maintained by special workers who, because of their training or knowledge and practical experience, can ensure correct management and are instructed in the risks.

These Operating Instructions are part of the machine as delivered and should be handed over if selling the machine to another party.

2.1. Residual Risks



Despite taking all precautions residual risks remain. Residual risks are potential, not obvious risks such as:

- Burns from hot products or liquids
- Trapping fingers and general injuries from uncoordinated operation
- Risk of injury from inappropriate transport or movement of the machine (moveable trolley)
- Risks from improper handling of the inert gas cylinder
- Risks from working on the electrical system
- Risks from working with the vacuum system if it has not been shut off

3 Safety in Operation

3.1. Explanation of Symbols and Warnings

3.1.1 Work Safety Symbol



You will find this symbol with all safety warnings where danger to life or limb is involved. Heed these warnings and act carefully! Likewise, the laws currently in force and general safety and accident-preventive regulations must be observed.

3.1.2 Warning Notices

ATTENTION is displayed where special care is needed to ensure that warnings, instructions and correct operating procedure are observed so that damage to the machine is prevented.

3.1.3 Notice

NOTE is displayed where instructions for the economic operation of the machine or correct operating procedure are given.

3.2 Safety in Operation

The Type VC 999®04i Packaging Machine, referred to as "the machine" in what follows, is a state of the art product and safe in operation. It is however inherent in the process that the machine has areas and parts that cannot be protected without affecting its operation and serviceability. Hence good personal safety precautions are necessary for protecting workers and machine.

This machine can be dangerous if operated incorrectly by untrained personnel, or if used for purposes for which it is not intended.

- **Before unpacking, installation, starting-up or maintaining the machine read and carefully observe the Instructions for use!**
- Keep the Operating Instructions at hand near the machine.
- The machine should only be used and maintained by trained personnel.
- Local regulations on safety and accident prevention and hygiene regulations for dealing with foodstuffs should be observed when operating the machine.
- Long hair to be tied back under a head covering.
- Wear no jewellery such as rings or chains. Injury may be caused by becoming caught or trapped.
- **Call a doctor at once in case of injury or accident**
- Work alone at the machine to avoid accidents such as trapped fingers.
- In case of danger switch off machine immediately with the OFF key (3) and pull out plug.
- Service personnel should be of legal minimum age.

- Unauthorised alterations or modifications to the machine affect the safety of the machine and operatives and should not be undertaken.

3.3. Safety during Maintenance Work

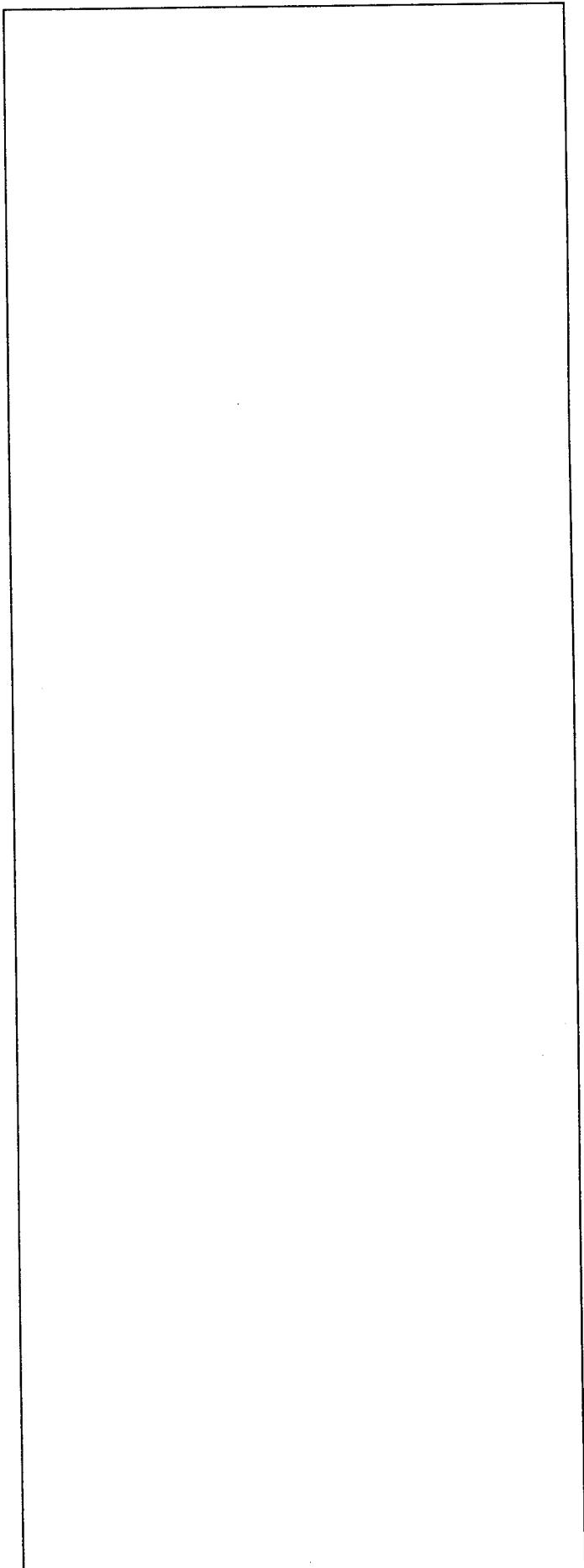
- Maintenance and repair work should only be done by authorised experts. Here the particular dangers of working with e.g. the electrical or vacuum system should be noted. **Hence have the machine installed only by experienced specialists, use only qualified electricians for electrical work and only experienced specialists for work on the vacuum system.**
- Before beginning maintenance work or when dealing with problems switch off the machine with the OFF key (3) and pull out the plug.
- After maintenance work replace correctly any safety features.
- Replacement parts must conform to the standards of the manufacturer. We recommend that you use only VC999 spares.

3.4. Suggestions for In-Factory Training Program

Factory procedures are rules which an entrepreneur establishes to secure safe operation procedures. These rules are binding and issued by the entrepreneur as part of his managerial rights. The workers are obliged, by the regulations governing the prevention of accidents, to obey these rules.

The worker should for example be warned of

- Dangers arising from working with the materials used and the necessary protective measures and working methods should be included.
 - Type and scope of regular checks for safe working conditions.
 - The prescribed operating data (e.g. settings for safety and monitoring equipment).
 - Maintenance.
 - Dealing with breakdowns.
 - Protection of the environment.
-
- The user firm must, by instructions and checks, ensure tidiness and ease of inspection where the machine is used.
 - Responsibility for using and maintaining the machine must be unambiguously decided by the user firm and observed by all concerned so that there are no doubtful areas with regard to responsibility for safety.
 - The operator must only run the machine when it is in perfect condition and should immediately notify his supervisor of any changes in the machine which might affect safety.
 - The operator must also ensure that no unauthorised persons obstruct the machine.



4 Technical Data

Electrical Connection Values

Equipment as in DIN 57.113/VDE 0113		
220V/3/50Hz	10 kW	40 AT
380V/3/50Hz	10 kW	25 AT
415V/3/50Hz	10 kW	25 AT
208V/3/60Hz	10 kW	50 AT
380V/3/60Hz	10 kW	25 AT
440V/3/60Hz	10 kW	25 AT

The connection values can be found on the type plate at the back of the machine.

Vacuum Pump

Volumetric capacity	m3/hr	220
Attainable vacuum, approx.	mbar	1
Time to reach 2mbar, approx.	sec	15
Time per cycle, approx.	sec	20

Compressed air supply	bar	5 - 8
Usage of compressed air	Nm3/hr	0.6

Dimensions (see dimensioned drawing)

Internal dimensions effective		
Chamber width	mm	950
Chamber height	mm	250/320
Chamber depth	mm	450
Sealing bars	each Chamber 3, total	6
Sealing lengths	mm	2x950
	mm	4x450

Outside dimensions (see drawing)

Weight without Accessories

Machine	kg	approx.	740
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Standard Equipment

- Built-in vacuum pump
- Vacuum measurement to a pre-set value
- Vacuum measurement to vaporisation point
- Gradual pressure release to a pre-set value
- VC999 sealing/separating system.
- 30 lockable, freely selectable programs
- Automatic fault display
- Plastic insert platforms
- Compressed air connection
- Temperature monitor for sealing bars

Additional Equipment (optional)

- Integral inert gas flushing
- Support brackets for inert gas cylinders
- Filling device for liquids
- Filling shovels
- Chamber insert for liquids

Noise Level when Operating

according to in DIN 45635
Preparation / Work place 1 approx. 70db (A)

4.1 Dimensioned Drawing

- ① Electrical connections
- ② Connection for compressed air

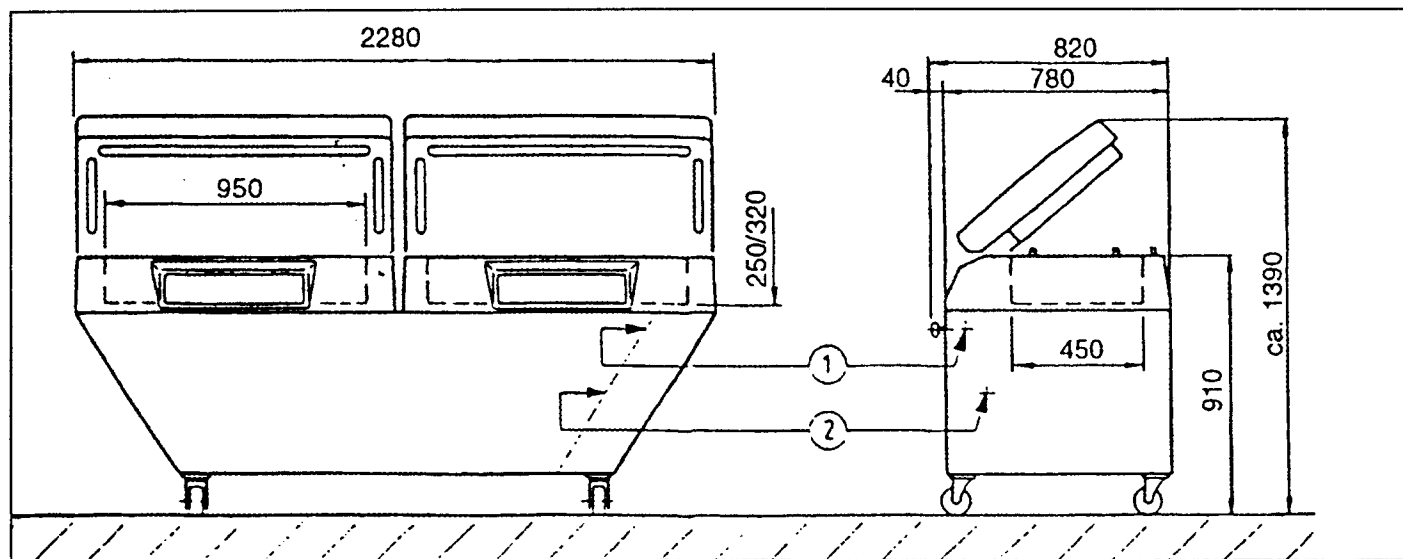


Fig. 1

