

Installation, Operation & Maintenance Manual

RENNER
Kompressoren 

RS-B



**Please read carefully before commissioning and follow
instructions. Keep in a safe place for future use.**

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AW3	Maintenance work	
ADS	Pressure switch	
AKT	Refrigeration dryer (optional)	

Chapter 0

General Information

Contents

Hereunder you will find general information relating to the following subjects:

- Utilisation of the INSTALLATION, OPERATION & MAINTENANCE MANUAL
 - Compressor Operation and Usage
 - Personnel responsibilities
-

Survey

This chapter relates to the following subjects:

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0.1 General Information

Contents

General information regarding this manual.

Validity

This manual is applicable to the following compressor:

Compressor Detail	Classification
Type	Screw compressor
Year of construction	
Serial number	
Model	
Location	

Manufacturer

RENNER GmbH compressors
Emil-Weber-Strasse 32
D-74363 Gueglingen

Date of issue

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Safe-keeping and completeness

- This manual should be kept in a clean safe condition and should be readily available to authorised personnel at all times.
 - Do not remove any pages from this manual.
Any lost or mislaid pages should be replaced especially if they relate to health and safety matters.
-

Continuation next page

0.1 General Information (Continuation)

Copyright

This documentation contains copyrighted information. Without prior consent of RENNER GmbH this information must not be photocopied, duplicated, translated or put on data carrier neither as a whole or part document. RENNER GmbH reserves all further rights.

Modification of the compressor

For safety reasons any modification or alteration may be permitted only after having received the agreement of the manufacturer. If modifications are made without the prior agreement of the manufacturer all warranties and manufacturers responsibilities will be invalidated.

In these cases, the process for conformity evaluation pursuant to 2006/42/EC for all components may need to be carried out again.

Suppliers' documents *)

The following suppliers documents are part of this manual and must be kept save and related to:

Documents for	manufacturer
RENNERtronic controller	RENNER GmbH
Operation manual air dryer	RENNER GmbH D-74363 Güglingen

*) in case the compressor is equipped with any of these options

0.2 Structure and use of this manual

Contents

The following information relates to the structure and use of this manual.

Chapter

This manual contains the following chapters:

Chapter	Summary
0	<ul style="list-style-type: none">● General Information regarding:<ul style="list-style-type: none">– the manual,– its usage– personnel responsibilities
1	<ul style="list-style-type: none">● Definition of the symbols used● Basic safety instructions
2	<ul style="list-style-type: none">● Description and function of the compressor
3	<ul style="list-style-type: none">● Operating the compressor
4	<ul style="list-style-type: none">● Maintenance hints
A(xy)	<ul style="list-style-type: none">● Appendix (es)

Numbering of pages

The pages have been consecutively numbered according to the chapter:

Example: 3-2

Signifies: Chapter 3, *Page 2*

Example: AS-1

Signifies: Appendix and „S“ for control, *Page 1*

Continuation next page

0.3 Intended usage / misuse

The intended usage of the compressor is described

Definition: authorized persons

Persons are regarded as authorized, when they have received adequate training/instruction and is then charged with defined work on or with the compressor... Keys to the guard doors must only be made accessible to authorized persons.

Intended usage

The compressor should only be used according to the manufacturer recommendations in conjunction with the following bullet points.

- The compressor must be used only for the compression of technically clean air without any detrimental or explosive additives or impurities.
Ambient temperature must be below 40°C*.
 - Authorized persons only are allowed to work on the compressor
 - The machine must only be operated with the safety devices installed
 - The safety* and operating advice contained in this manual must be observed
 - Any instructions given by the operating company must be observed
 - The legal accident prevention rules must be respected
-

Misuse

Misuse is regarded as:

- Operation by non-authorized persons
 - Operation by disregarding rules and regulations
 - Operation without corresponding treatment / cleansing of the compressed air in the field of foodstuffs and breathing air
 - Operation with defective safety-devices or those deactivated or modified
-

* please consult your dealer or the manufacturer with details in case the ambient temperature is higher in your compressor room

0.4 Requirement of the user

Contents

Hereafter the duties and obligations of the user are outlined when operating the machines

Safety of the plant

The user has to particularly ensure that

- the compressor must be used only according to Manufacturer recommendations in conjunction with all current health and safety regulations
 - the compressor must be operated only when in faultless condition and fully functional
 - the integrated safety devices are regularly serviced and are fully functional
 - only adequately qualified and authorized personnel operate, service, and repair the compressor
-

Protection of staff

The operating company must ensure that the personal protective equipment required is available for

- the operating personnel,
 - the service and maintenance personnel
 - the maintenance and repair personnel and that it is used accordingly
-

Briefing and training

The operating company must ensure:

- that prior to start up all personnel who will maintain, service or operate the compressor are fully aware of the current personal and environmental safety regulations and procedures.
Annual personnel update of safety procedures would be recommended
 - the complete manual must always be available at the site of the compressor in a readable condition
 - that personnel are aware of the location of the manual, the content and particularly the safety chapters.
 - the safety and warning advices mounted are not taken away or made illegible
-

0.5 Personnel responsibilities

Contents

The requirements in regard to personnel responsibilities are as follows.

Duty of operating personal

The personnel must carry out the following duties:

- to control and inspect the compressor as to its faultless and safe function (see chapter 2.1)
 - to operate the compressor according to the operating points previewed
 - to recognize and delete or report respectively disturbances and irregularities.
-

Responsibilities of operating personnel

In order to carry through the requisitions the service personal must accomplish the following requirements

- The operator (of the compressor) must have received instructions from the operating company as to the labor protection law.
 - The operator must have a clear understanding of the instructions given by the operating company and must carry them out.
-

Duties of the maintenance personnel

The service and maintenance personnel must comply with the following duties:

- carry through regular inspection and maintenance work
 - up-keep of the compressor
 - carry through test runs of the machine
 - check the integrated safety devices
-

Requirement of maintenance personnel

The following qualifications are required in regard to maintenance personnel:

- The maintenance personnel must have successfully passed a test as skilled (machinery) labour - or equivalent.
- The personnel must comply with the maintenance instructions.