Chapter 6
Decommissioning and disposal

Content

This chapter contains important advice for (temporarily) decommissioning or disposing of your compressor.

Survey

This chapter is divided into the following sub-sections:

6.1 Decommissioning of plant

Content

This section contains instructions you need to follow when decommissioning the compressor for an extended period of time, and when subsequently returning it to operation.

Decomissioning of plant

When decommissioning for an extended period of time, prepare the unit as follows:

Step	Activity
1	A qualified electrician should disconnect the compressor from power supply and lock off isolator to ensure it can not be restarted by accident.
2	Check oil level and fill if necessary (see Chapter 5.5 "Checking oil level") The unit should be stored with its oil tank filled to the max. recommended level
3	Slacken the V-belt (see Chapter 5.11 “Tensioning and changing of belt”).
	Do not cover the unit with any material that is impermeable to air. Doing so intensifies the corrosion of individual parts.

6.2 Re-commissioning after storage

Re-commissioning information

Compressor units that have been switched off, decommissioned or stored away for longer than 3 months, should not be put back into operation until the following measures have been carried out.

Re-commissioning after storage

Follow the procedure outlined below to return the compressor to operation after being out of commission for 3 months or more.

Step	Activity
1	Turn the screw compressor in the direction of rotation several times by hand.
2	Remove the air inlet filter and manifold and pour approx. 0.1 litres of oil (“manufacturer recommended compressor oil only”) into the suction port. Then, turn the screw compressor by hand in the direction of the rotation arrow (anti-clockwise) once more.
3	Check the oil level (in the reclaimer tank) and fill where necessary, see 5.5. “Checking of oil level”.
4	Connect unit: see Chapter 3.2 “Connections”.
5	Re-adjust the V-belt (see Chapter 5.11 “Tensioning and changing of belt”).

6.3 Shut-down and disposal

Content

This section describes what you need to consider when shutting down and disposing of the unit.

DANGER

- Observe the safety instructions outlined in this handbook, the instructions specified in the supplier's documentation as well as accident prevention guidelines.

Danger of life!

- Moving or lifting the compressor should only be undertaken in a safety conscious manner.
- Always ensure no one is within the danger zone when the compressor is being lifted.

DANGER

When carrying out the following disassembly work be aware of sharp corners and edges which may cause cuts. For this reason always wear protective gloves.

Environment

- The following instructions must be observed properly to prevent any possible damage to the environment. The Operating Company must ensure that the regulations are adhered to correctly even where disposal is carried out by an authorized firm of specialists.

Disassembly of the compressor

To dismantle the compressor, proceed as follows and observe the following points:

Step	Activity
1	Find out how each component (or the whole machine) needs to be disposed of. If unsure, consult your local environmental agency.
2	Depressurise all components and vent the unit (see Chapter 5.3. “Venting the plant”).

6.3 Shut-down and disposal (Cont.)

Materials Information

The following materials were predominately used in the construction of the unit:

Material	Where used
Batteries, NiCad-/Li	• Control
Copper	• Cables
Steel	• Machine frame • Side panels and doors • Motor and components
Plastic, rubber, PVC	• Gaskets • Tubes • Cables
Tin	• Boards
Polyester	• Boards

Hazardous waste Information

The following parts, materials and fluids must be disposed of separately:

Denomination	Application
LCD displays **Note:** LCD displays contain highly poisonous fluids	• Display devices
Electronic scrap	• Electrical supply • Controls (SPS etc.) • Boards with electronic parts

The environment:

Dispose of all parts of the unit in a manner that prevents damage from being caused to other peoples' health or the environment.

Appendix T: Data sheet

Type	Free air delivery		Nominal power	Start	Noise level	Quantity of oil	Cooling air	Outlet connection	HRC Fuse	Electr. Conn.	Dimensions mm	Weight	Air receiver
	m³/min		kW		db(A)	ltr	m³/h		Amp	mm²	L x B x H	kg	
	7,5 bar	10 bar											
RS-B 2.2	0,335	0,265	2,2	direkt	66	1,95	300	½"	16	2,5	716 x 536 x 540	124	x-500
RS-B 3.0	0,46	0,38	3,0	direkt	70	1,95	300	½"	16	2,5	716 x 536 x 540	133	x-500
RS-B 4.0	0,64	0,53	4,0	direkt	70	1,95	340	½"	16	2,5	716 x 536 x 540	133	x-500
RS-B 5.5	0,83	0,74	5,5	YΔ	75	1,95	560	½"	16	2,5	716 x 536 x 540	159	x-500
RS-B 7,5	1,13	1,015	7,5	YΔ	78	3,15	980	½"	25	4	776 x 556 x 597	189	x-500
RS-B 11	1,57	1,54	11,0	YΔ	81	3,15	1950	½"	35	6	776 x 556 x 597	207	x-500
RSK-B 2.2	0,335	0,265	2,2	direkt	66	1,95	600	½"	16	2,5	971 x 536 x 705	160	x-500
RSK-B 3.0	0,46	0,38	3,0	direkt	70	1,95	600	½"	16	2,5	971 x 536 x 705	169	x-500
RSK-B 4.0	0,64	0,53	4,0	direkt	70	1,95	640	½"	16	2,5	971 x 536 x 705	169	x-500
RSK-B 5.5	0,83	0,74	5,5	YΔ	75	1,95	860	½"	16	2,5	971 x 536 x 705	195	x-500
RSK-B 7,5	1,13	1,015	7,5	YΔ	78	3,15	1280	½"	25	4	1031 x 556 x 721	225	x-500
RSK-B 11	1,57	1,54	11,0	YΔ	81	3,15	2250	½"	35	6	1031 x 556 x 721	243	x-500

RSD-B - Compressor on air receiver

RSDK-B - Compressor and refrigeration dryer on air receiver

EC Declaration of Conformity according to machine guideline 2006/42/EC Appendix II 1.A

The manufacturer / distributor

RENNER GmbH Kompressoren
Emil-Weber-Straße 32
74363 Güglingen

hereby declares that the following product

Product description:	**RENNER Screw Compressor**
Manufacturer:	**RENNER**
Serial no.:	
Series / type description:	**RS-B, RSK-B, RSD-B, RSDK-B 2,2 - 11 kW**

Description:
Screw Compressor for generating compressed air of 7,5 to 10 bar

meets all relevant provisions of the above stated guideline and the other applied guidelines (to follow) - including the changes applicable at the time of the declaration.

The following further EU directives were applied:

EMC directive 2014/30/EU

Directive 2014/29/EU

RoHS directive 2011/65/EU

The following harmonised standards were applied, in its current version:

EN 1012-1	Compressors and vacuum pumps - Safety requirements - Part 1: Compressors
EN 286-1	Simple unfired pressure vessels designed to contain air or nitrogen - Part 1: Pressure vessels for general purposes
EN 60204-1	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN ISO 12100	Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 13849-1	Safety of machinery -Safety relevant parts of controls - Part 1: General principles for design
EN ISO 13849-2	Safety of machinery -Safety relevant parts of controls - Part 2: Validation

Name and address of person who is authorised to compile the technical documentation:
Michael Zottl
RENNER GmbH Kompressoren
Emil-Weber-Straße 32
74363 Güglingen

(Signature)
Managing Director

(Signature)
Contractor for documentation