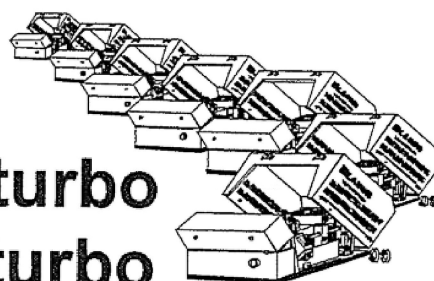


LT4438E

Operating Instructions

TLF 1800 - 3000 turbo
TLF 3800 / 4000 turbo



D **E** F I SP NL DK SF S

Edition 04/98 28.04.98



CHAPTER OVERVIEW This operator's manual is organized into chapters; the table of contents indicates the subject matter dealt with in each chapter.

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1	SAFETY REGULATIONS
2	LASER LAYOUT AND DESCRIPTION
3	TECHNICAL SPECIFICATIONS
4	CONDITIONS FOR LASER INSTALLATION, OPERATION AND TRANSPORT
5	TRANSPORT REGULATIONS
6	LASER CONTROL DESCRIPTION ERROR MESSAGES
7	LASER CONTROL OPERATION
8	INTERFACE DESCRIPTION
9	MAINTENANCE
10	DIAGRAMS

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Maintenance of the unit

9.0

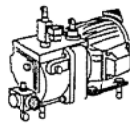
Maintenance of the unit

- ☐ Maintenance procedure information
- ☐ Laser housing

9.1

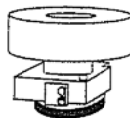
- ☐ Maintenance intervals
- ☐ Maintenance intervals for condensation tower

9.2



Oil change

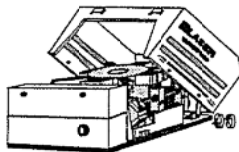
- ☐ Oil change on the vacuum pump



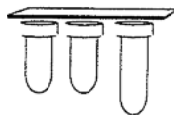
- ☐ Oil change on the turbo blower

- ☐ Oil type and quality overview
- ☐ Leak test

9.3

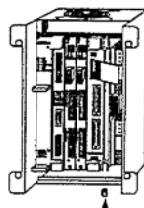


Resonator



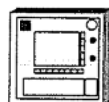
- ☐ Compressed air filter unit
- ☐ Replacing gas cylinders

9.4



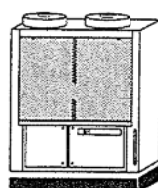
Laser control

- ☐ Changing the TASC 200 control battery base boards dated to 02/96
- ☐ Changing the TASC 200 control battery base boards dated from 02/96



- ☐ Changing the panel battery

9.5

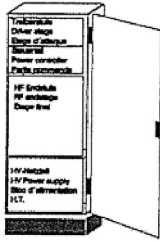


Cooling unit

- ☐ Water level control
- ☐ Check filter mats for soilage
- ☐ Changing the chiller water
- ☐ TLF laser coolant additives
- ☐ Measuring the conductivity in the coolant circuit
- ☐ Riedel chillers with two stage Störk regulator ST 96-33.05
- ☐ Riedel chillers with Störk regulator ST 96-35

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9.6



RF Generator

10

DIAGRAMS FOR

- ☐ Gas supply
- ☐ Vacuum regulation
- ☐ Cooling water