

Operating Instructions

DELIMER COMFORT

LABORATORY EQUIPMENT
IN STAINLESS STEEL



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Dear customer!

The DELIMER COMFORT is a water softening device (ion exchange) for decalcifying tap water without cartridge replacement. The DELIMER COMFORT removes calcium from the water and thus prevents lime-scale deposits that can cause damage to the appliance. Even existing lime-scale deposits are gradually reduced.

Any other use or usage beyond this scope is considered unintended use. The manufacturer shall not be responsible for any damages that may result thereby. Prior to installation of the device operating instructions and especially the safety instructions must be read and followed by all personnel who use this device.

After having unpacked the device, please check carefully whether transportation damages of any kind have occurred. If that is the case, the carrier or manufacturer must be notified within 3 days. The company will not be responsible for any damages found after that.

These operating instructions must be read and followed by all personnel who use this device. To ensure quick access we recommend to keep it at a safe place near the device. In case of loss it can be ordered from the manufacturer.

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1 Technical description

1.1 Basic equipment

- Water softening device DELIMER COMFORT with water inlet hose

1.2 Special accessories

- Order-No.: 20201000 Water tap
- Order-No.: 20202000 Back pressure valve

1.3 Device components

- 1 Housing
- 2 Water connection for manual water extraction
- 3 Main switch
- 4 Lid for salt container
- 5 Rotary switch for regeneration
- 6 Water connector for the supply line (cold water)
- 7 Drain hose connector
- 8 Hose connector for connecting devices
- 9 Device fuse
- 10 Mains connection
- 11 Regeneration salt indicator



Fig.: Device view

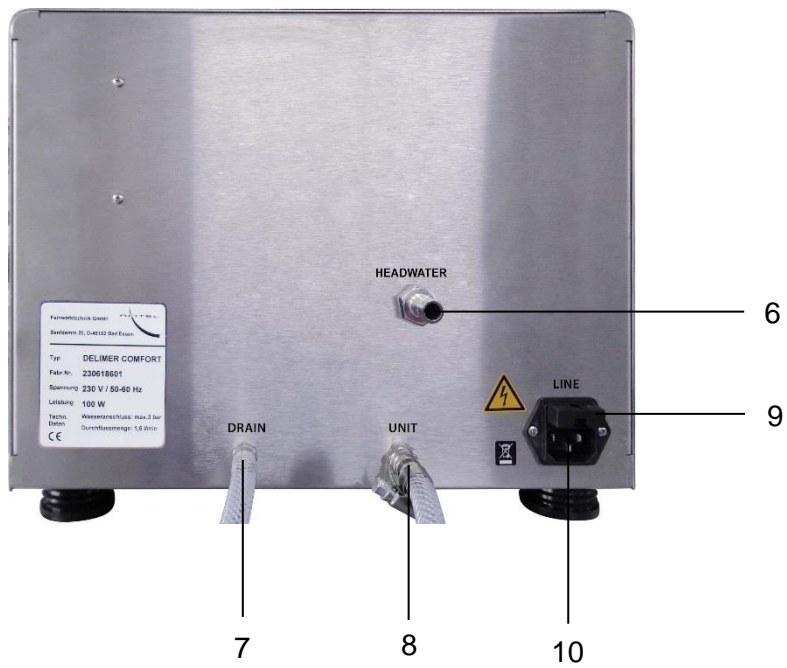


Fig.: Rear view

1.4 Technical data

Line voltage	230 V/50–60 Hz
Current consumption	100 W
Height / Width / Depth	434/327/294 mm
Weight	11 kg
Water pressure	max. 3 bar / cold water
Mains water supply	3,5 l/min
Extracted water	Kalkreduziertes Wasser (50 % dH)
Sound level	≤ 70 dB(A)
Housing	Stainless steel
Order-No.:	10205000
Made in Germany (Subject to modifications)	

2 Safety Notes

2.1 General Safety Notes

- All equipment undergoes final inspection and testing before leaving our factory. However, if equipment is damaged during shipping or through any other circumstances, it must not be used in service. Please check the device regularly for damages. Damaged parts should be replaced immediately.
- All power / air / water / gas sources should be rated for the demands of the device as listed in the technical data sheets. Maximum ratings must not be exceeded. All VDE (Verein Deutscher Elektro-Ingenieure) standards should be followed. Equipment should be grounded according to standards.
- Adherence to valid regulations regarding necessary checks (e.g. according to Accident Prevention & Insurance or electrical equipment) is exclusively taken over by the buyer/user of this product.
- This device has been designated to be used only for its intended purpose. All other applications must be prohibited for safety reasons as otherwise the manufacturer's warranty expires.
- The device may only be used by persons who have been instructed in the handling and are expressly commissioned with the operation.
- The device should be set-up in a clean, well-ventilated room, if necessary under a hood.
- Supporting surfaces should be straight, flat and adequately stable.
- No objects may be placed on the device.
- To avoid injury, appropriate protection should be worn (as gloves, safety glasses, safety shoes, hearing protection etc.)
- If the machine is defective or working improperly it must be taken out of service. In case of further use of the machine the owner will be held responsible for any consequential damage.
- To prevent accidents from water, fire or explosion, all power/air/water/gas sources should be turned off after working hours and during breaks, and secured against unauthorized access.
- When carrying out maintenance works or repairs or when opening the device always turn off the main power switch and unplug the whole unit.
- Repairs should be carried out only by the manufacturer or by qualified and certified personnel appointed according to chapter 7 – warranty.
- In case of leaking water out of housing or tank shut down device and call service.
- Check all hose connections for leak tightness, if necessary tighten hose clamps again

2.2 Specific Safety Notes

- Install the appliance so that damage is prevented in the event of unwanted water leakage.
- Use only cold water.

3 Installation

The electrical equipment is ready for immediate use. The sealed plug can be connected directly to the mains supply 230 V/16 A. For installation please refer to safety notes in chapter 2.

3.1 Installation

1. Connect the delivered water inlet hose to the water connector for the supply line (5) and attach the other end to a tap with $\frac{3}{4}$ " external thread (only cold water).
2. Connect the inlet hose of the connecting device (REITEL steam cleaner TRONADA) to the hose connector (7).
3. Attach a hose to the drain hose connector (6) and lead the other end of the hose to a suitable drainage port.

3.2 Filling with regeneration salt

When using the appliance for the first time, or when the regeneration salt indicator (10) lights up in red, coarse-grained regeneration salt needs refilling. Prior to refilling, empty water from the DELIMER COMFORT's tank to prevent an overflow (if necessary, use a dry cloth to wipe away surplus water in the bowl).

The filling quantity with empty container is approx. 1 kg.

Caution: Use only special coarse-grained salt for regeneration appliances (for example, dishwasher regeneration salt). Other regenerating agents will destroy the ion exchanger.

1. Open the lid (3).
2. Fill in special coarse-grained salt (**when filling up for the first time, add water**) until the regeneration salt indicator light (10) goes off.
3. Close the lid (3).

4 Operation

4.1 Start-up

1. Open the tap.
2. Switch on the device with the main switch (2).
3. Switch on the connecting device.

4.2 Regeneration

Perform the regeneration once a week. Duration: approx. 15 min. During this time no water removal is possible. The regeneration must not be interrupted.

1. Open the tap.
2. Switch on the device with the main switch (2).
3. Switch off the connection device (e.g REITEL "TRONADA").
4. Turn the rotary switch for regeneration (4) clockwise until it stops.
5. Wait for the process to complete.

5 Troubleshooting

Device doesn't turn on.	a. Check fuses in the building. b. Check device fuse
Device fuse has triggered.	→ Disconnect the mains plug and replace the fuse (9).
Lid (3) pops off.	Leaking solenoid valve, inform customer service.
Regenerating salt indicator (10) lights up red.	Regenerating salt quantity insufficient, top refill regenerating salt according to chapter 3.2.
Connection device calcified (for example steam cleaner).	a. No regenerating salt in the container. b. Regeneration failed. c. Intervals too long (please observe the maintenance cycles according to chapter 4.2 Regeneration).

6 Maintenance

- Check the device at regular intervals for visible damage to housing or power cord.
- Please observe the intervals for regeneration according to chapter 4.
- Periodically clean the housing with a damp cloth.

Note

Clean and protect your device at regular intervals with the REITEL stainless steel care spray (order -no.: 90405000) to remove lime, plaster and dust as well as other contaminants from the surface of the equipment and to prevent corrosion. The spray creates a lasting, water repellent protective film which helps keep the equipment clean.

7 Warranty

We, REITEL Feinwerktechnik GmbH, offer a 1 year's warranty beginning from the proven date of purchase. This warranty covers all defects traceable to materials, design or workmanship. The following warranty regulations are applicable:

Within the warranty period Reitel Feinwerktechnik GmbH or an authorized distributor agrees at its sole option, to perform repair or replace this product at no charge covering all defects traceable to materials, design or workmanship. Warranty only applies to appropriate use and regular maintenance of this product according to the operating instructions. Claims under warranty are restricted to complementary performance. Additional claims, especially claims for indemnifications, are not covered by this warranty.

1.

Warranty claims have to be addressed to the distributor the product was purchased from or directly to our service department.

Contact:

REITEL Feinwerktechnik GmbH

Senfdamm 20

49152 Bad Essen

Germany

Phone: +49(0)5472-9432-32 (Service Department)

Phone: +49(0)5472-9432-0 (Reception)

Fax-No: +49(0)5472-9432-40

2.

In case of warranty claim application the sales receipt or your purchase invoice showing the date of purchase of the product and the serial number must be furnished. Securely pack and ship the device, freight charges prepaid, at your own risk to us, along with a report describing the defect. We reserve the right to decline warranty if this information has been removed or modified after purchase of the product or if they are not included in case of warranty claims.

3.

Warranty repairs have to be performed by REITEL Feinwerktechnik GmbH or by authorised distributors. Repairs performed by non-authorised companies will void the claim for refund since damages to the product resulting hereof are not covered by warranty.

4.

If the unit sent in for repair or replacement is still under the original warranty then warranty is to the end of the original 1 year warranty.

5.

If the unit is destined to be operated in another country than originally intended and manufactured for, modifications to the product might be necessary to comply to special technical and /or safety standards of that specific country. Such modifications are no defects traceable to materials, design or workmanship. and are therefore expressly excluded from warranty claims.

Modification costs or damages arising from operation of the product under deviating conditions are not covered by warranty.

6.

Exclusions from warranty:

Service and maintenance work as well as repair and replacement of consumables according to our consumables' list

Transportation cost of the machine or installation and dismounting expenses incurred

Damages due to use of the product other than for its intended purpose

Damages due to faulty installation or insufficient maintenance of the product (e.g. decalcification)

Damages due to natural disaster e.g. lightning, water, fire, act of nature beyond control, war, inadequate line voltage, insufficient ventilation, no decalcification, insufficient care and cleaning or non-adherence to operation and maintenance instructions according to the accompanying operation guide.

Damage due to use of the product other than in accordance with the instructions provided by REITEL Feinwerktechnik GmbH;

The warranty does not cover the cost of removal and replacement of parts and accessories, unless supplied as original equipment by REITEL Feinwerktechnik GmbH

All kind of damages occurred not directly at the device as well as consequential damages (e.g. damages to furniture due to a lack of water, downtime of the machine, material, lost working hours, wages and other consequential damages).

This warranty shall be rendered null and void if:

the product has been subject to any modification, repair or replacement other than as authorised by REITEL Feinwerktechnik GmbH

the product is continued to be operated despite a functional defect

7.

The warranty is device specific and may be claimed, within the warranty period, by any person who has legally acquired the device.

8.

Consumables are excluded from warranty. Spare parts are subject to a warranty coverage of 6 months against all defects traceable to materials, design or workmanship according to these warranty regulations.

9.

Legal default claims on the part of the purchaser remain unaffected by this warranty.

10.

We reserve the right to charge a fee if repair of the device is rejected and the device is destined to be sent back unrepaired.

11.

Please note:

Upon repair or replacement of this unit, personal data and settings might get lost or damaged. We don't accept liability for all kind of data loss. The customer is advised to backup essential programs and data before sending for service.

12.

This warranty shall be interpreted in accordance with German law to the exclusion of UN sales law. Place of jurisdiction is our business location.

13.

If any provisions of this warranty are judged to be illegal or unenforceable, the continuation in full force and effect of the remaining provisions will not be prejudiced. The provisions of this warranty judged to be illegal or unenforceable shall be construed so as to give effect to the intent manifested by the provision held invalid, illegal or unenforceable and to give effect to section 13 hereof.

14.

Should you need to borrow a device while your device is being repaired, please contact Messrs. REITEL or your distributor. These loans are a service for which availability cannot necessarily be guaranteed. After the warranty period, a fee may be charged for loan equipment as well as for shipping and packaging.

8 Disposal Regulations



According to valid regulations our devices are properly disposed of according to B2B – Regulations for proper disposal. Please contact your local dealer for further information.

9 Spare parts list

Best.-Nr.: Ref.:		Menge Qty.	ME Unit
E6022930	Dichtung / seal	1	St./pc.
E6022940	Deckel mit Dichtung (Version aktuell) / Lid with seal (current version)	1	St./pc.
E6022930	Dichtung (Version aktuell) / Lid (current version)	1	St./pc.
E7629600	Drehknopf / Knob	1	St./pc.
E6214010	Druckminderer (Version aktuell) / Pressure reducing valve (current version)	1	St./pc.
E6299800	Druckschalter 0,2 - 3 bar Einstellung 1,4 bar 1/8" oder 1/4" / Pressure switch	1	St./pc.
E6221800	Durchflussbegrenzer (Version ab 08.2008) / Flow limiter (version from 08.2008)	1	St./pc.
E7049100	Feinsicherung / Fine fuse	1	St.pc.
E6023100	Gehäuse komplett / Complete housing	1	St./pc.
E7049600	Gerätestecker mit Sicherungshalter / Device's plug incl. fuse holder	1	St./pc.
E6020300	GummifüÙe / Rubber feet	1	Satz/set
E6022700	GummitÙlle / Rubber sleeve	1	St./pc.
E6022910	Ionentauscher / Ion exchanger	1	St./pc.
E7413400	Kontrolllampe rot, rund / Red control lamp	1	St./pc.
E7213910	Magnetventil 1/8" NW 3 mm / Solenoid valve 1/8" NW 3 mm	1	St./pc.
E6094000	Mikroschalter (Version aktuell) / Micro switch (current version)	1	St./pc.
E6022950	Mutter / Nut	1	St./pc.
E6064800	Schalter 2-polig mit Lampe grün / 2-pole switch with green lamp	1	St./pc.
E6020700	Schaltwerk komplett (Version aktuell), incl. 76294 / Complete control unit (current version), incl. 76294	1	St./pc.
E6065000	Schutzkappe für Schalter / Protective cap for switch	1	St./pc.
E6020400	Wasserauffangblech / Water drip tray	1	St./pc.
E6023200	Wasserschlagdämpfer / Water hammer absorber	1	St./pc.
20201000	Wasserhahn für manuelle Wasserentnahme / Water tap	1	St./pc.
E6022000	Zulaufschlauch / Feeding hose	1	St./pc.

10 EC-Conformity Declaration

EG-Konformitätserklärung EC Conformity Declaration CE-Déclaration de Conformité

im Sinne der Niederspannungs-Richtlinie 2014/35/EU (Anhang III B)
according to Low Voltage Directive 2014/35/EU (Appendix III B)
au sens de la Directive Basse Tension 2014/35/EU (Annexes III B)

Name und Anschrift des Herstellers/Name and address of manufacturer/Nom et adresse du fabricant:

Reitel Feinwerktechnik GmbH
Senfdamm 20
49152 Bad Essen

Diese Erklärung bezieht sich nur auf das Gerät in dem Zustand, in dem es in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt. Die Erklärung verliert ihre Gültigkeit, wenn das Produkt ohne Zustimmung umgebaut oder verändert wird./This declaration relates exclusively to the machinery in the state in which it was placed on the market and excludes components which are added and/or operations carried out subsequently by the final user. This declaration will become invalid if any unauthorized modification is made to the product./Cette déclaration concerne exclusivement les machines dans l'état dans lequel elles ont été mises sur le marché et exclut des composants ajoutés et/ou les opérations effectuées par la suite par l'utilisateur final. La présente déclaration perd sa validité si des modifications non-autorisées ont été apportées à la machine.

Hiermit erklären wir, dass nachstehend beschriebenes Gerät/We hereby declare that the machine described below/
Nous déclarons que la machine ci-dessous

Produktbezeichnung/Product name/Nom du produit: **Wasserenthärtungsgerät/
Water Softening Device/
Déméralisateur d'eau**

Typenbezeichnung/Type/Type: **DELIMER COMFORT**

allen einschlägigen Bestimmungen der Richtlinien 2014/35/EU und 2011/65/EU (RoHS 2) entspricht.
is in conformity with all applicable requirements of the Directives 2014/35/EU and 2011/65/EU (RoHS 2).
est conforme aux dispositions applicables de la Directives 2014/35/EU et 2011/65/EU (RoHS 2).

Angewandte harmonisierte Normen/Harmonised standards applied/Normes harmonisées appliquées:

EN 61010-1:2001

15.10.2018

Ort, Datum
Place, Date
Lieu, Date

Daniel Reitel, Geschäftsführender Gesellschafter/Managing Director/
Directeur Général



Unterschrift/Signature/
Signature

We manufacture in compliance with Quality Management ISO 9001:2015 incorporating established standards.



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