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Dear customer,

please study this manual thoroughly. Incorrect assembly or disassembly may damage the fitting and can cause harm to product or person.

Specialised sealing systems made of high-grade materials are in daily utilisation with all our types of extractor tubes. Due to continuous improvement of our technology we are able to equip all D-type and S-type systems with a five-year warranty.
LIST OF CONTENTS

1. Mounting Instruction
2. Dismounting Instruction
3. Disassembling Instruction
4. Assembling Instruction
5. Tool List
6. Technical Information
1. Mounting Instruction
MOUNTING INSTRUCTION
EXTRACTOR TUBE ET-USO / ET-USI

Fig. 01
1. Moisten the extractor tube with water.

Fig. 02
2. Check whether the keg neck is clean. Clean the keg neck from any contaminations.

Fig. 03
3. Check whether the sealing ring is not damaged and is positioned correctly.

3.1 ET-USO
Tighten the support ring directly to the o-ring.
4. Check the correct locking of the base plate and the rail shoring of the safety latch. Insert the extracor tube straight.

5. Push in the extracor tube by hand. The safety latch will recess and click back after it has passed the keg neck.

6. Tighten the extractor tube (rotate it clockwise) e.g. with the DSI screw-in/screw-out tool and torque-wrench.

   ET-USI: The mounting torque (continuous) must be 80 +5 Nm.

   ET-USO: The mounting torque (continuous) must be 65 +5 Nm.
Fig. 07

7. Remove the screw-in/screw-out tool. The keg is ready for use now.
2. Dismounting Instruction
DISMOUNTING INSTRUCTION
EXTRACTOR TUBE ET-USO / ET-USI

Fig. 08

1. Decompress the keg, e.g. by means of the DSI decompression and removal tool.

Fig. 09

2. Unscrew the extractor tube (rotate it counterclockwise) with the DSI screw-in/screw-out tool.

Fig. 10

3. Connect the removal tool like a normal dispense head and press down the handle till it clicks. The safety latch will recess.
4. Take out the extractor tube and disconnect the removal tool.
3. Disassembling Instruction
1. Put the extractor tube in the tool. Make sure that the three pins of the tool fit into the three holes in the bottom of the extractor tube plate.

2. Pull the handle forward to compress the spring. Push the safety latch slightly inwards. Pull the body downwards and turn it anticlockwise until it is unlocked.

3. Move the body upwards and connect it to the tool by turning the body.

4. Push the handle backward. Take the subassy out. Take the body off.

5. Take off the remaining parts. The extractor tube is disassembled.
4. Assembling Instruction

ET-USO

ET-USI
1. Replace the sealing ring on the body and the main seal. Assemble all parts at the tubing.

2. Connect the body to the assembling tool. Put the subassy in the tool. Make sure that the three pins of the tool fit into the three holes in the bottom of the extractor tube plate. Push the safety latch slightly inwards.

3. Pull the handle forward to compress the spring.

4. Pull the body downwards and turn it clockwise until it is locked to the extractor tube plate. Make sure that the safety latch sticks through the big opening in the body.

5. Push the handle backward in order to tension the spring and take out the extractor tube. Please check the correct positions of the seals and the safety latch.
5. Tool List

ET-USO

ET-USI
TOOLS
EXTRACTOR TUBE ET-USO / ET-USI

1. Removal- and decompression tool:
   part number: 027985.1

2. Screw-in/screw-out tool:
   part number: 027981.8

3. Assembling/disassembling tool:
   part number: 910464
6. Technical Information
TECHNICAL INFORMATION
EXTRACTOR TUBE ET-USO

1. Body
2. CO₂ Valve
3. Beer Valve
4. Spring
5. Tube
6. Spring
7. Safety Latch
8. Bayonet Plate
9. O-Ring
10. Washer

Distance: A - Part 2
B - Part 3
C - Part 4
D - Part 5
E - Part 6
F - Part 1

Bottom of Keg
Distance: 14 mm
9 mm
11 mm

Extractors in Closed Position
Distance: 4 ± 0.6 mm
11 mm
9 mm
14 mm

Extractors in Open Position

Technical Data Sheet ET-U SO

A4 D-910462
TECHNICAL INFORMATION
EXTRACTOR TUBE ET-USI

1. Body
2. CO₂ Valve
3. Beer Valve
4. Spring
5. Tube
6. Spring
7. Safety Latch
8. Bayonet Plate
9. Sealing Ring

Distance:
- Top of Keg: 14 mm
- Bottom of Keg: 9 mm
- Distance between positions when cleaning and filling: 11 mm

Extractors in Open and Closed Positions

<table>
<thead>
<tr>
<th>Stroke</th>
<th>CO₂-Valve + Tube</th>
<th>Beer Valve</th>
<th>Passages through Inner Tube</th>
<th>Passages through Extractor Body</th>
<th>Temperature Resistance</th>
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<tbody>
<tr>
<td>I</td>
<td>Parts 2+5 - Part 3</td>
<td>A</td>
<td>3 mm</td>
<td>4 mm</td>
<td>100 mm²</td>
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<tr>
<td>II</td>
<td>Parts 3 - Part 2</td>
<td>B</td>
<td>4 ±0.6 mm</td>
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<td>140 mm²</td>
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<td>in Part 3 Ø11.5</td>
<td>C</td>
<td>100 mm²</td>
<td></td>
<td>240 mm²</td>
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<tr>
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<td>in Part 5 Ø17.6</td>
<td>D</td>
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<tr>
<td></td>
<td>Part 1</td>
<td>F</td>
<td>1560 mm²</td>
<td></td>
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<tr>
<td>IV</td>
<td></td>
<td></td>
<td></td>
<td>Short-time 135°C</td>
<td></td>
</tr>
</tbody>
</table>

Technical Data Sheet ET-U SI
6. Connection
CONNECTION
EXTRACTOR TUBE ET-USO

Dispense Head

Extracto r Tube

BOTTOM VIEW
DISPENSE HEAD

U-Type Connection System SO

max. 26,5
Ø 414 ±0,3
Ø 317 ±0,1
7° helical

This drawing is the property of Dispense Systems International. The original is to be kept at the company. Distribution only with the written consent of Dispense Systems International.

SHEET DRAWING NUMBER
NORM APPL.
DRAWN NAMEDATE TITLE
MATERIAL WEIGHT
SCALE VOLUME
PRODUCT

DATE NAME TITLE

SEWN 17.01.2014 Runzl

FORMAT DRAWING NUMBER

PROJ. METHOD PROD. DEV.

22

After each revision, samples are required.
U-Type Connection System SI