DSI SERVICE – TEAM

Sales Department DSI Hamm

Sabine Groneberg
DSI Hamm Germany, Austria, Switzerland
Phone: +49 (0) 23 85 772 212
E-Mail: groneberg@dsi-group.net

Katrin Poth
France, Spain, Portugal
Phone: +49 (0) 23 85 772 215
E-Mail: poth@dsi-group.net

Sandra Leszynsky
Western Europe and UK, USA, Australia, Asia
Phone: +49 (0) 23 85 772 214
E-Mail: leszynsky@dsi-group.net

Iryna Matyak
Eastern Europe
Phone: +49 (0) 23 85 772 216
E-Mail: matyak@dsi-group.net

Sales Department DSI International

CL2
Joost Samyn
Sales Representative
Western Europe
Molenbergstraat 15
1700 Dilbeek
Belgium
Phone: +32 24 52 70 55
Mobil: +32 49 134 39 00
E-Mail: samyn@dsi-group.net

Keg Service
Tadeusz Gonciarczyk
Sales Representative
Eastern Europe
UL. Walowa 3
51-523 Wroclaw
Poland
Phone: +48 71 34 66 632
Mobil: +48 50 51 54 152
E-Mail: biuro@keg-service.pl

DSI UK
Jeff Garrity
Service Centre
c/o Pegler Yorkshire
ST Catherine’s Avenue
Doncaster, South Yorkshire
DN4 8DF
United Kingdom
Phone: +44 13 02 560 190
Mobil: +44 78 02 346 664
E-Mail: Garrity@dsi-group.net

Olaf Jakob
Sales Representative
Germany, Austria, Switzerland
Wortmannsweg 14
44149 Dortmund
Germany
Phone: +49 (0) 23 12 22 50 740
Fax: +49 (0) 23 12 22 50 741
E-Mail: o.j.a@t-online.de

OJA
Jeff Garrity
Sales Representative
Germany, Austria, Switzerland
Wortmannsweg 14
44149 Dortmund
Germany
Phone: +49 (0) 23 12 22 50 740
Fax: +49 (0) 23 12 22 50 741
E-Mail: o.j.a@t-online.de
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.
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1. Mounting Instruction
2. Dismounting Instruction
3. Disassembling Instruction
4. Assembling Instruction
5. Tool List
6. Technical Information
7. Connections
1. Mounting Instruction
MOUNTING INSTRUCTION
EXTRACTOR TUBE ET-W-SI / ET-WD-SI

Fig. 01

1. Moisten the extractor tube with water.

Fig. 02

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

Fig. 03

3. Check the sealing ring is not damaged and is positioned correctly.
4. Check if lock/safety is O.K. 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. The mounting torque (continuous) must be 80 ±5 Nm.
7. Remove the screw-in/screw-out tool. The keg is ready for use now.
2. Dismounting Instruction
Dismounting Instruction
Extractor Tube ET-W-SI / ET-WD-SI

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

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

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.
DISASSEMBLING INSTRUCTION
EXTRACTOR TUBE ET-W-SI / ET-WD-SI

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 90°.

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

5. Take off the remaining parts. The extractor tube is disassembled.
ASSEMBLING INSTRUCTION
EXTRACTOR TUBE ET-W-SI / ET-WD-SI

4. Assembling Instruction
1. Replace the sealing ring on the body and the main seal. Assemble all parts.

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

TOOLS
EXTRACTOR TUBE ET-W-SI / ET-WD-SI

ET-W-SI

ET-WD-SI
1. Removal tool for:
   ET-W-SI 2 lugs: part number 026578.2
   ET-WD-SI 2 lugs: part number 027987.3

2. Screw-in/screw-out tool:
   part number: 025521.1

3. Assembling/disassembling tool for:
   ET-W-SI 2 lugs: part number 026664.0
   ET-WD-SI 2 lugs: part number 028437.2
6. Technical Information

ET-W-SI

ET-WD-SI
TECHNICAL INFORMATION
EXTRACTOR TUBE ET-W-SI

Technological Data Sheet ET-W SI

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>REMARKS</th>
<th>ROUGHNESS</th>
<th>SCALE</th>
<th>WEIGHT</th>
<th>VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>I Stroke + CO₂ Valve + Tube</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part 2 - Part 1</td>
<td>A</td>
<td>3mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II Passages through Inner Tube</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part 3 - Part 2</td>
<td>B</td>
<td>4mm</td>
<td>6,5mm-8mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part 3 - Part 5</td>
<td>D</td>
<td>4mm</td>
<td>125mm²</td>
<td></td>
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</tr>
<tr>
<td>Part 5 - Part 7</td>
<td>E</td>
<td>4mm</td>
<td>240mm²</td>
<td></td>
<td></td>
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<tr>
<td>III Passages through Outer Tube</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Part 1 - Part 2</td>
<td>F</td>
<td>4mm</td>
<td>240mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part 1</td>
<td>G</td>
<td>4mm</td>
<td>1660mm²</td>
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<tr>
<td>IV Temperature Resistance</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Position when Cleaning and Filling</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Extractor in Open Position</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom of Keg</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Technical Data Sheet ET-W SI

1. Body 2"x14tpi
2. CO₂ Valve
3. Beer Valve
4. Beer Spring
5. Tube
6. CO₂ Spring
7. Safety Latch
8. Locking Plate
9. Sealing Ring

Bottom of Keg
Distance:
- Extractor in Closed Position
- Position when Cleaning and Filling
- Extractor in Open Position

14mm
9mm
11mm

<table>
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<tr>
<th>Part</th>
<th>Diameter</th>
<th>Area</th>
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<tr>
<td>Part 2+5</td>
<td>Ø14,35</td>
<td>160mm²</td>
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<tr>
<td>Part 2</td>
<td>Ø14,35</td>
<td>125mm²</td>
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<td>Part 5</td>
<td>Ø17,6</td>
<td>240mm²</td>
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<tr>
<td>Part 1</td>
<td>Ø16,6</td>
<td>1660mm²</td>
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<table>
<thead>
<tr>
<th>Passage</th>
<th>Short-time 135°C</th>
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</thead>
<tbody>
<tr>
<td>Inner Tube</td>
<td>3mm max. 4mm-6mm</td>
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<tr>
<td>Outer Tube</td>
<td>9mm</td>
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</tbody>
</table>

DSI Getränkearmaturen GmbH
TECHNICAL INFORMATION
EXTRACTOR TUBE ET-WD-SI

This drawing is the property of Dispense Systems International.
Samples on request, and are offered with this specification.

CO2 Valve + Tube
Stroke

Parts 2+5 - Part 1
A
3mm

max. 4mm-6mm

Ball
Part 3 - Part 2
B
4mm
6.5mm-8mm

Passages through Inner Tube

Part 3 - Part 5
C
D
E
250mm²
220mm²
240mm²

Passages through Outer Tube

Part 1 - Part 2
F
330mm²

Part 1
G
2340mm²

Temperature Resistance

Short-time 160°C

Technical Data Sheet ET-WD SI

DSI Getränkearmaturen GmbH • Oberster Kamp 20 • 59069 Hamm
Telefon: +49 (0) 23 85 772 100 • Telefax: +49 (0) 23 85 772 249 • Mail: info@dsi-group.net • Internet: www.dispensegroup.com

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 CONNECTION
EXTRACTOR TUBE ET-W-SI / ET-WD-SI

6. Connection

ET-W-SI

ET-WD-SI
**Well-Type Connection System**

**Dispense Head**

- According to DIN 32677 (K)

- **Dimensions:**
  - \( \phi 44.5 \pm 0.2 \)

**Extractor Tube**

- According to DIN 3542 (K-1)

- **Dimensions:**
  - \( \phi 65.35 \pm 0.3 \)
  - \( \phi 36.85 \pm 0.1 \)
  - \( \phi 19.3 \pm 0.2 \)
  - \( \phi 14.35 \pm 0.12 \)

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**Connection Extractor Tube ET-W-SI**

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Samples are required after each revision.

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**Table: Well-Type Connection System**

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Germany
DSI Getränkearmaturen GmbH
Oberster Kamp 20
59069 Hamm
Phone: +49 (0) 23 85 772 100
Fax: +49 (0) 23 85 772 249
sales@dsi-group.net
www.dispensegroup.com

USA
Taprite
3248 Northwestern Drive
San Antonio, Texas 78238
Phone: +1 (210) 523 0800
Fax: +1 (210) 520 3035
sales@taprite.com
www.taprite.com

United Kingdom
DSI Service Centre U.K.
c/o Pegler Yorkshire
ST Catherine’s Avenue
Doncaster, South Yorkshire, DN4 8DF
Phone: +44 (0) 13 02 560 190
Fax: +44 (0) 13 02 767 608
sales-uk@dsi-group.net