TOX®-Powerpackage line-Q
Type Q-S and Q-K

Data sheet 10.50
2019/06
TOX®-Powerpackage line-Q

Advantages

- Standard sizes always available
- Short delivery times
- Economical
- Minimum air consumption
- Medium maintenance interval

Functioning of the TOX®-Powerpackage

Fast approach – the main control valve a is switched. The working piston 1 extends, initially with a fast approach stroke, until it meets resistance at any point. It stops and the integrated power stroke valve d is shifted. Air flows into chamber e.

Power stroke – the intensifier piston 2 closes the high pressure chamber 5 and compresses the oil in the working area up to 400 bar. This oil pressure applies pressure to the back of the working piston 1 and triggers the power stroke.

Return stroke – after the changeover of the main control valve a the power stroke valve d automatically vents the chamber e. The intensifier piston 2 and the working piston 1 return to their initial position one after the other.

Example for ordering:

Q-S 001.3030.100.22

- Power stroke (mm)
- Total stroke (mm)
- Version
- Press force category (t)
- Type
### TOX®-Powerpackage line-Q, type Q-S

**Return stroke**

**Fast approach stroke**

<table>
<thead>
<tr>
<th>Type</th>
<th>Total stroke</th>
<th>Incl. Power stroke</th>
<th>Max. Press force</th>
<th>Fast approach force</th>
<th>Retracting force</th>
<th>Weight kg</th>
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**Dimensions in mm**

- **Type A B C D E Fp G H K L M N O R S Vp W IV**
- **Q-S 001.030.050.21 70 638 6xM8x12 54 G1/4 40 9 20 26.0 M16x1.5 15 17 104 13.0 116.0 - - -**
- **Q-S 001.030.100.22 70 738 6xM8x12 54 G1/4 40 9 20 26.0 M16x1.5 15 17 104 13.0 166.0 - - -**
- **Q-S 002.030.050.12 70 638 6xM8x12 54 G1/4 40 9 20 26.0 M16x1.5 15 17 104 13.0 116.0 - - -**
- **Q-S 002.030.100.12 70 738 6xM8x12 54 G1/4 40 9 20 26.0 M16x1.5 15 17 104 13.0 166.0 - - -**
- **Q-S 004.030.050.12 85 721 6xM8x15 64 G3/8 50 10 30 28.5 M22x2 20 24 124 14.0 125.0 18 7**
- **Q-S 004.030.100.12 85 821 6xM8x15 64 G3/8 50 10 30 28.5 M22x2 20 24 124 14.0 175.0 18 7**
- **Q-S 008.030.050.11 110 841 6xM10x16 88 G1/2 70 9 45 35.0 M30x2 25 36 165 15.0 133.0 26 7**
- **Q-S 008.030.100.12 110 941 6xM10x16 88 G1/2 70 9 45 35.0 M30x2 25 36 165 15.0 183.0 26 7**
- **Q-S 015.030.050.12 135 878 6xM16x25 100 G1/2 75 15 50 36.0 M30x2 25 41 175 17.5 134.5 26 7**
- **Q-S 015.030.100.12 135 978 6xM16x25 100 G1/2 75 15 50 36.0 M30x2 25 41 175 17.5 184.5 26 7**
- **Q-S 030.030.100.12 170 1207 6xM20x30 132 G3/4 100 17 56 47.0 M39x2 35 50 232** 20.0 236.0 - - -

**Dimensions in mm**

- **IV**: integrated sequence valve
- **** Series with external sequence valve approach/power stroke
TOX®-Powerpackage line-Q, type Q-K

How to order:
Q-S 8.30.100.12
- Power stroke (mm)
- Total stroke (mm)
- 6 bar series
- Press force category
- Version S/K

1 Control throttle X
2 High pressure connection
3 Oil filling nipple
4 Sequence valve approach/power stroke
5 Bleed plate
6 Oil level indicator
7 Bleed screw

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<tr>
<th>Type</th>
<th>Total stroke</th>
<th>Incl. Power stroke</th>
<th>Max. Press force (kN)</th>
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Dimensions in mm

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Dimensions in mm
- * IV: integrated sequence valve
- ** Series with external sequence valve approach/power stroke

at 6 bar compressed air

1 Control throttle X
2 High pressure connection
3 Oil filling nipple
4 Sequence valve approach/power stroke
5 Bleed plate
6 Oil level indicator
7 Bleed screw
TOX®-Powerpackage special versions

TOX®-Powerpackage ZLM for use in the food industry

With the exception of line-Q, all TOX®-Powerpackages are available with food grade oil and grease lubrication. Both lubricants are certified according to USDA-H11 and are used wherever there is a chance of occasional, technically unavoidable contact between foodstuffs and lubricant.

TOX®-Powerpackages are used in industrial food manufacturing, processing, filling and packaging machines, as well as in the pharmaceutical and cosmetics industry.

Compatible with:
All TOX®-Powerpackages (without line-Q)

Order no.
S 1.32.6 - ZLM
Food-grade version
Order no. of TOX®-Powerpackage

TOX®-Powerpackage in anti-rust version ZRO

With the exception of line-Q, all TOX®-Powerpackages can be supplied with rust protection. All individual parts are either plasma nitrided, galvanised or primed and painted. These devices are particularly suitable for use in the food and packaging industries.

Compatible with:
All TOX®-Powerpackages (without line-Q)

Order no.
S 1.32.6 - ZRO
Anti-rust version
Order no. of TOX®-Powerpackage

On request, we can provide TOX®-Powerpackages as stainless steel version. Please contact us!