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

Data sheet 10.50
2019/07
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

#### Dimensions in mm

<table>
<thead>
<tr>
<th>Type</th>
<th>Total stroke</th>
<th>Incl. Power stroke</th>
<th>Max. Press force (kN)</th>
<th>Fast approach force (daN)</th>
<th>Retracting force (daN)</th>
<th>Weight (kg)</th>
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* IV: integrated sequence valve
**: Series with external sequence valve approach/power stroke

Dimensions in mm

** Typical approach/power stroke at 6 bar compressed air**
TOX®-Powerpackage line-Q, type Q-K

**Diagram:**
- 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

### Specifications

#### Dimensions in mm

**Type** | **Q-K 001.030.100.24** | **Q-K 001.030.200.52** | **Q-K 002.030.100.15** | **Q-K 002.030.200.34** | **Q-K 004.030.100.05** | **Q-K 004.030.200.13** | **Q-K 008.030.100.08** | **Q-K 008.030.200.18** | **Q-K 015.030.200.12**
---|---|---|---|---|---|---|---|---|---
**Power stroke (mm)** | 70 | 85 | 85 | 85 | 85 | 85 | 110 | 110 | 135
**Total stroke (mm)** | 371 | 571 | 371 | 34 | 34 | 100 | 100 | 100 | 200
**Press force category** | 6xM8x12 | 6xM8x12 | 6xM8x12 | 6xM8x12 | 6xM8x12 | 6xM8x12 | 6xM8x12 | 6xM10x16 | 6xM16x25
**Version S/K** | 54 G1/4 | 54 G1/4 | 54 G1/4 | 54 G1/4 | 54 G1/4 | 54 G1/4 | 64 G3/8 | 64 G3/8 | 88 G1/2
**Max. Press force kN** | 11.8 | 11.8 | 16.3 | 16.3 | 48.6 | 48.6 | 67.4 | 130 | 140.4
**Fast approach force daN** | 140 | 140 | 140 | 140 | 170 | 170 | 320 | 200 | 450
**Retracting force daN** | 145 | 145 | 145 | 145 | 190 | 190 | 325 | 275 | 535
**Weight kg** | 20 | 27 | 20 | 27 | 33 | 43 | 62 | 77 | 134

**Note:**
- IV: integrated sequence valve
- **: Series with external sequence valve approach/power stroke

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**How to order:**

- **Q-S 8.30.100.12**
- **Power stroke (mm)**
- **Total stroke (mm)**
- **6bar series**
- **Press force category**
- **Version S/K**
- **line-Q**

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**Dimensions in mm**

- **Type**
- **Total stroke**
- **Incl. Power stroke**
- **Max. Press force kN**
- **Fast approach force daN**
- **Retracting force daN**
- **Weight kg**

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**Dimensions in mm**

- *IV: integrated sequence valve
- **: Series with external sequence valve approach/power stroke**
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!