TOX® PRESSOTECHNIK

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

Data sheet 10.50
2019/07

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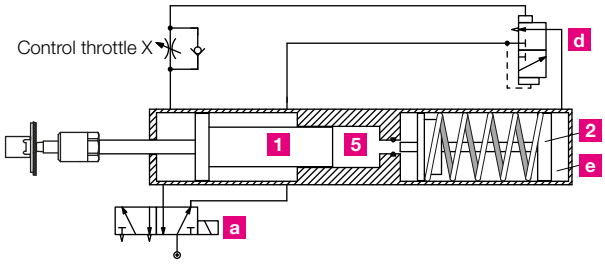
Find your local contact at: www.tox-pressotechnik.com

TOX®-Powerpackage line-Q

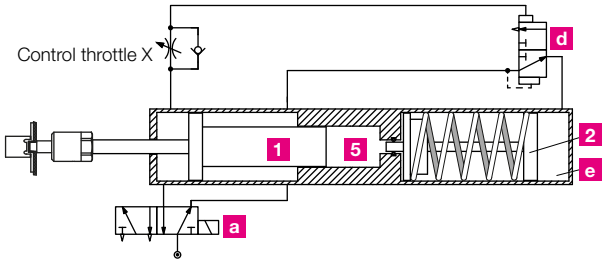
Advantages

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

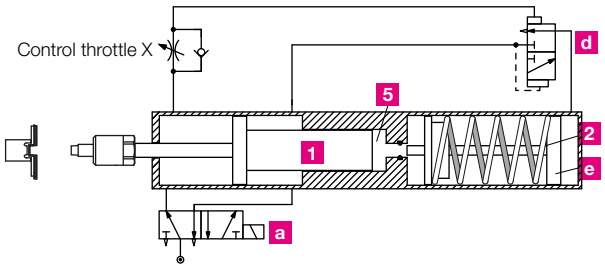
Functioning of the TOX®-Powerpackage



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 stopps 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.



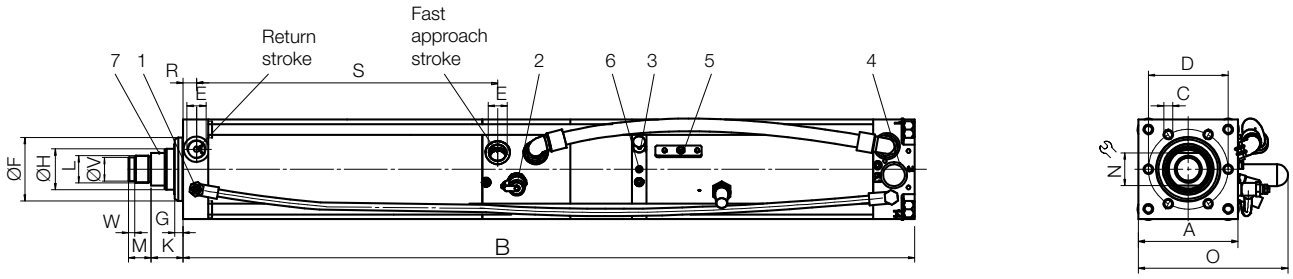
Return stroke – after the changeover of the main control valve **a** the power stroke valve **d** automatically vents the chamber **e**. The intensifier piston **2** and the working piston **1** return to their initial position one after the other.

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



Type	Total stroke	Incl. Power stroke	at 6 bar compressed air: Max. Press force kN	Fast approach force daN	Retracting force daN	Weight kg
Q-S 001.030.050.21	50	21	11.6	140	145	12
Q-S 001.030.100.22	100	22	11.6	140	145	12
Q-S 002.030.050.12	50	12	16.5	140	145	12
Q-S 002.030.100.12	100	12	16.5	140	145	12
Q-S 004.030.050.12	50	12	39.9	170	190	20
Q-S 004.030.100.12	100	12	39.9	170	190	20
Q-S 008.030.050.11	50	11	76.4	320	325	36
Q-S 008.030.100.12	100	12	76.4	320	325	36
Q-S 015.030.050.12	50	12	130.4	450	535	59
Q-S 015.030.100.12	100	12	130.4	450	535	59
Q-S 030.030.100.12	100	12	283.9	660	915	117

Dimensions in mm

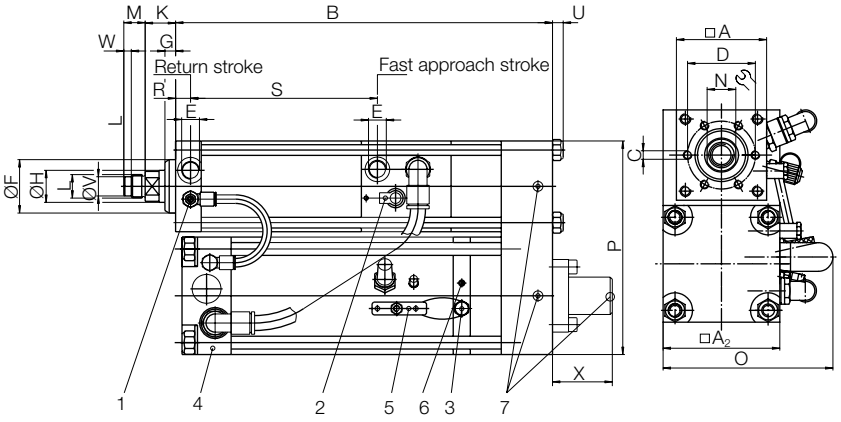
Type	A	B	C	D	E	F_{f7}	G	H	K	L	M	N	O	R	S	V_{g6}	W	* IV
Q-S 001.030.050.21	70	638	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	104	13.0	116.0	-	-	■
Q-S 001.030.100.22	70	738	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	104	13.0	166.0	–	–	■
Q-S 002.030.050.12	70	638	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	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	–	–	–

* IV: integrated sequence valve

** Series with external sequence valve approach/power stroke

Dimensions in mm

TOX®-Powerpackage line-Q, type Q-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

			at 6 bar compressed air			
Type	Total stroke	Incl. Power stroke	Max. Press force kN	Fast approach force daN	Retracting force daN	Weight kg
Q-K 001.030.100.24	100	24	11.8	140	145	20
Q-K 001.030.200.52	200	52	11.8	140	145	27
Q-K 002.030.100.15	100	15	16.3	140	145	20
Q-K 002.030.200.34	200	34	16.3	140	145	27
Q-K 004.030.100.05	100	05	48.6	170	190	33
Q-K 004.030.200.13	200	13	48.6	170	190	43
Q-K 008.030.100.08	100	08	67.4	320	325	62
Q-K 008.030.200.18	200	18	67.4	320	325	77
Q-K 015.030.200.12	200	12	140.4	450	535	134

Dimensions in mm

Type	A	A_2	B	C	D	E	F_{f7}	G	H	K	L	M	N	O	P	R	S	U	V_{g6}	W	X	*IV
Q-K 001.030.100.24	70	85	371	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	117	160	13.0	166.0	8	–	–	98.5	■
Q-K 001.030.200.52	70	85	571	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	117	160	13.0	266.0	8	–	–	244.5	■
Q-K 002.030.100.15	70	85	371	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	117	160	13.0	166.0	8	–	–	98.5	■
Q-K 002.030.200.34	70	85	571	6xM8x12	54	G1/4	40	9	20	26.0	M16x1.5	15	17	117	160	13.0	266.0	8	–	–	244.5	■
Q-K 004.030.100.05	85	110	397	6xM8x15	64	G3/8	50	10	30	28.5	M22x2	20	24	165	200	14.0	175.0	10	18	7	86.5	■
Q-K 004.030.200.13	85	110	597	6xM8x15	64	G3/8	50	10	30	28.5	M22x2	20	24	165	200	14.0	275.0	10	18	7	204.5	■
Q-K 008.030.100.08	110	135	426	6xM10x16	88	G1/2	70	9	45	35.0	M30x2	25	36	177	250	15.0	183.0	12	26	7	93.5	■
Q-K 008.030.200.18	110	135	626	6xM10x16	88	G1/2	70	9	45	35.0	M30x2	25	36	177	250	15.0	283.0	12	26	7	229.5	■
Q-K 015.030.200.12	135	170	650	6xM16x25	100	G1/2	75	15	50	36.0	M30x2	25	41	232**	315	17.5	284.5	16	26	7	185.5	■

* IV: integrated sequence valve

** Series with external sequence valve approach/power stroke

Dimensions in mm

How to order:

Q-S 8.30.100.12

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

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**
- ZLM: Food-grade version
- S 1.32.6: 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**
- ZRO: Anti-rust version
- S 1.32.6: Order no. of TOX®-Powerpackage

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