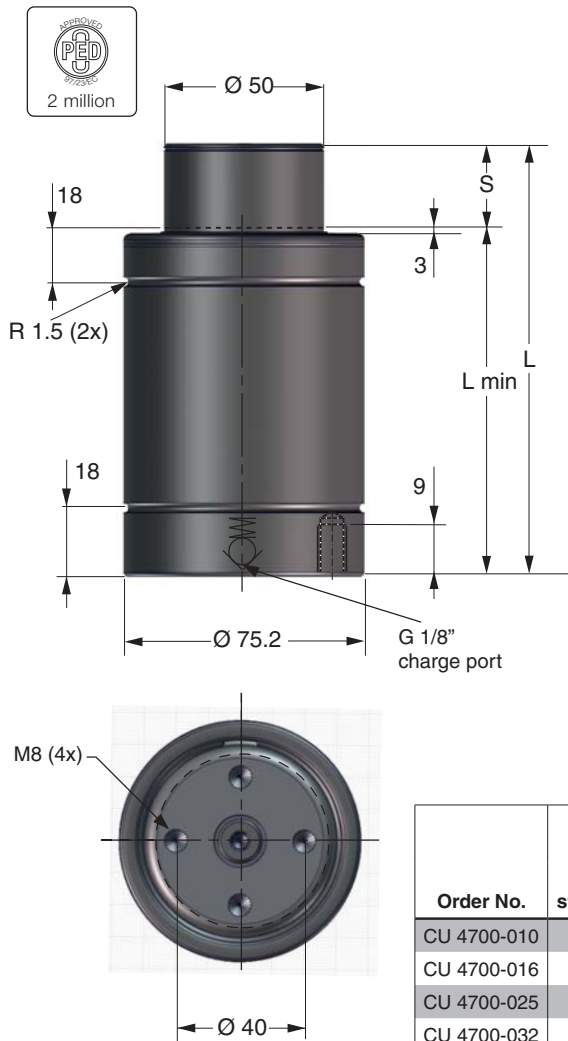


CU4 4700



The CU4 gas spring is a very compact Bore Sealed gas spring with impressive force in a compact body. The maximum frequency for the spring is 100 strokes/minute.

Springs with stroke lengths over 25 mm should always be attached to the tool, using a flange or the tapped holes in the bottom of the spring. We also recommend fixing of shorter stroke springs for optimal service life.

As an option, the CU4 spring can be delivered with a Side Port plate (SP) for applications where a sideport is needed (e.g., for use in hose systems).

Order No.	S stroke	Force in N at 150 bar/+20°C		Force in lbf at 150 bar/+20°C		L ±0.25	L min.	Gas vol. (l)	Weight (kg)
		Initial	End force**	Initial	End force**				
CU 4700-010	10		67,000		15,100	80	70	0.10	1.55
CU 4700-016	16		66,000		14,800	106	90	0.17	1.79
CU 4700-025	25		68,000		15,300	135	110	0.24	2.05
CU 4700-032	32*	47,000	67,000	10,570	15,100	167	135	0.32	2.34
CU 4700-040	40*		67,000		15,100	200	160	0.41	2.65
CU 4700-050	50*		67,000		15,100	240	190	0.52	3.01
CU4 4700-065	65*		71,000		15,200	273	208	0.62	3.12

* Should always be attached to the tool using the tapped holes in the bottom or a flange
 ** at full stroke

Basic Information

For general information see "About gas springs", 2.1
 Pressure medium..... Nitrogen
 Max. charging pressure..... 150 bar (at 20°C)
 Min. charging pressure..... 25 bar (at 20°C)
 Operating temperature 0 to +80°C
 Force increase by temperature ±0.3%/°C
 Recommended max strokes/min ~80 to 100 (at 20°C)
 Max piston rod velocity 0.8 m/s

Rod surface..... Nitrided
 Tube surface Nitrided
 Repair kit CU4 4700 3024838
 Repair kit CU 4700 2014493-0470
 Available until 12.31.2015

Mounting Possibilities

