

# Compact gas spring

**Note:**

Initial spring force at 150 bar = 11780 daN

Order No for spare parts kit: 2490.15.11800

Gas spring without valve

Order No (example): 2490.15.11800. .P

Pressure medium: Nitrogen N<sub>2</sub>

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

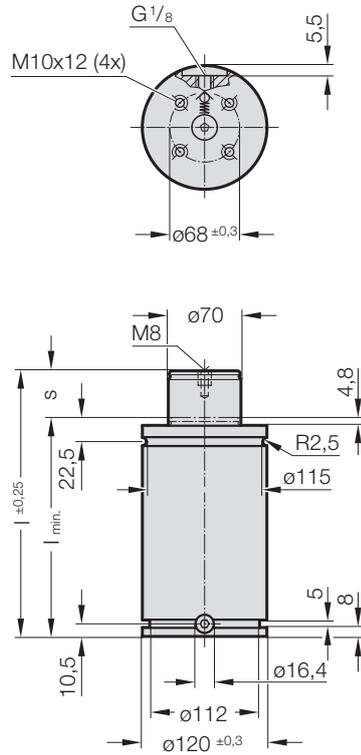
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 50 to 100 (at 20°C)

Max. piston rod speed: 0.8 m/s

**2490.15.11800.**



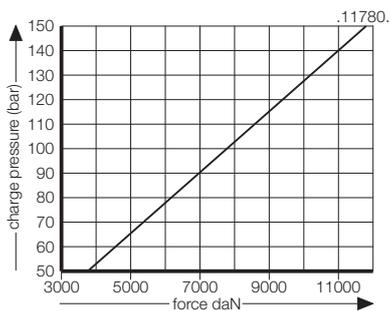
**PED**  
2014/68/EU



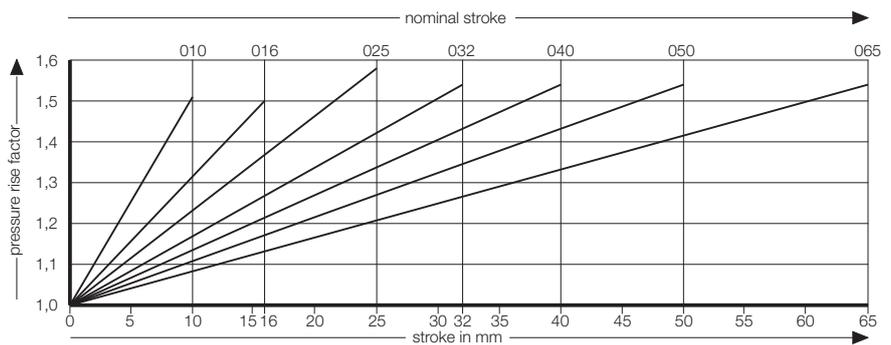
**2490.15.11800. Compact gas spring**

Order No	s (Stroke <sub>max.</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2490.15.11800.010	10	90	100	0.267	5.49
2490.15.11800.016	16	110	126	0.437	6.11
2490.15.11800.025	25	130	155	0.613	6.76
2490.15.11800.032	32	155	187	0.824	7.54
2490.15.11800.040	40	180	220	1.037	8.31
2490.15.11800.050	50	210	260	1.294	9.25
2490.15.11800.065	65	255	320	1.679	10.66

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!