



Technical Regulations

Gas springs are not safety components!

If gas springs are used in places where product failure could lead to personal injury and/or damage to property, additional safety elements need to be fitted!

Gas springs are subject to wear and need to be replaced as a function of the strain on them and the application they are used for. It is especially important to protect them from corrosion in order to increase their service life.

Gas springs can be used in ambient temperatures from -30°C to $+100^{\circ}\text{C}$. Special seal sets are available for other temperature ranges (-20°C to $+200^{\circ}\text{C}$). Do not overheat gas springs or expose to naked flames.

Note: Maximum stroke speed = 300 mm/s when installed.

High stroke speeds and/or stroke frequencies can lead to overheating and thus to damage to the seals and failure of the product. High stroke speeds or accelerations must not put excessive strain on the product.

Gas springs are filled with pure nitrogen. Nitrogen is an inert gas, which does not combust, does not explode and is not toxic. Note: Gas springs have very high internal pressure (up to approx. 160 bar). They must never be opened without instructions. Our opening and disposal instructions are available for download on our web page under the menu item Downloads.

Minor damage, corrosion or paint residues on the piston rod will cause the spring to fail (seals are damaged). The cylinder pipe must not be damaged or misshapen! Any modifications to the product made by third parties will invalidate the guarantee.

Disposal

When gas springs are no longer needed, they should be disposed of in an environmentally friendly manner. In particular, the compressed nitrogen gas and the oil should be discharged and disposed of by qualified experts. Our opening and disposal instructions are available for download on our web page under the menu item Downloads.

We are certain that you have made the right choice with our gas springs, and we thank you for your confidence in us.