

HOME  
IN EVERY  
ENVIRONMENT

GAS SPRINGS  
FOR EXTREME  
TEMPERATURES  
-40°/+200°C





# HIGH-TECH MADE IN GERMANY

The technology leader in the industry brings the first gas springs for the dynamic use on extreme temperatures to the market: the low temperature series NT as well as the HT series for hot conditions. Both series are available as pressure and tension spring and of course maintenance free.

NT gas springs are used in food processing and retail. They have a temperature range up to  $-40^{\circ}\text{C}$ , possess a dynamic load capacity and are therefore predestined for such as refrigerators, freezers and counters.



HT gas springs work dynamic in extreme temperatures up to  $+200^{\circ}\text{C}$ , they are resistant to condensation and aggressive cleaning methods. You can, for example, install them in the direct vicinity or even directly into ovens or grill designs.

Both series have an option of a special sealing system that reliably prevents the ingress of contaminant such as dirt



particles or aggressive fluids into the gas spring. Of course, they can be installed in any position. With three different versions – steel, stainless steel V2A or V4A – all hygienic requirements can be met.

The individual design of the HAHN Gasfedern and a modular system with a wide range of different end fittings and brackets guarantee an universal applicability.

## Technical characteristics of the gas springs

Power.....	40–5.000N
Diameter.....	15,6–40 mm
Stroke length.....	10–1.000 mm
Materials .....	mild steel
.....	AISI 303/304 (V2A)
.....	AISI 316 (V4A)
Connecting thread.....	M5–M14 x 1,5
Temperature range NT .....	$-40^{\circ}$ to $+80^{\circ}\text{C}$
Temperature range HT .....	$-20^{\circ}$ to $+200^{\circ}\text{C}$

German engineering, high quality production and specific customer solutions make HAHN Gasfedern GmbH one of the world's most successful manufacturers of high quality machine elements.

The Swabian company, founded more than 50 years ago, counts as a pioneer in gas spring technology and a trendsetter for innovative solutions.

Along with gas-pressure and tension springs, the product range also includes blocking elements, trigger systems, patented double-stroke springs and patented telescopic gas springs. Stainless steel gas springs are produced for special uses in the chemical and food industry, medical technology, and in the area of shipbuilding.



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