

# PRESS INFORMATION

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*LogiMAT 2010/ Logistics/ Material Flow/ Transportation Technology/ Workplace Safety*

## Grace under Fire

### **Bonfire gas spring proves itself in safety-relevant cargo containers**

**The patented Bonfire gas spring from STABILUS has been designed for building modern material flow containers. It has a proven track record, especially in the automotive industry, where it allows for easy and safe opening and closing of airbag containers. This special gas spring is particularly “well-behaved” in a fire.**

*Koblenz, January 2010.* – Hoods and covers of material flow containers and transport boxes must allow easy and fast operation. Wherever series production or supplier parts with a high added value have to pass logistics processes safely and without time losses, easy operation of cargo containers is essential. Hydropneumatic LIFT-O-MAT gas springs from STABILUS have stood the test of time in the design of such logistics structures. The patented Bonfire gas spring from this product line is considered a specialty product for transportation systems with extreme safety requirements. It is the ideal solution in hazmat containers and cargo containers for hazardous goods. For example, it is installed in enclosed transportation racks used in the automotive industry to handle finished airbags or other safety-relevant components.

### **Temperature up, pressure down**

What is special about this STABILUS Bonfire gas spring is its behavior in a fire. The LIFT-O-MAT BF – which is the proper designation of this gas spring – will respond to a temperature increase and the corresponding pressure rise by automatically lowering the pressure. In case of fire, the gas required for normal operation will be released and can “escape” promptly from the gas spring, eliminating another potential hazard – and that’s crucial.

The LIFT-O-MAT BF has proven its automatic degassing function in these cases in the customary external fire test according to UN-Test 6 (c), also called the “bonfire test” by safety experts. The purpose of this test is to protect human life and health, as well as

de-escalation. The bonfire test stipulates that in a fire, the components of a container structure must not diffuse in an uncontrolled manner. To ensure this, the fire performance of components and materials used in the construction of hazmat storage containers is simulated in an external fire test.

### **Safety plus convenience**

In addition to its superior safety standard, the LIFT-O-MAT BF from STABILUS will also allow implementing ergonomic aspects in the construction of hazmat containers. Wherever heavy covers and lids need to be lifted, lowered or positioned, these non-locking gas springs from the LIFT-O-MAT product line will lend some “muscle” for convenient force assist.

Gas springs from STABILUS are manufactured according to the specifications of DIN EN ISO 9001 and the global standard ISO/TS 16949.

*377 words 2997 characters (incl. spaces)*

**Note to editors: Text and pictures are available on the Internet at [www.pr-box.de](http://www.pr-box.de)!**

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