

PRESS INFORMATION

Building Technology/Window Construction/Roofing/Fire Protection

Safety and Fresh Air

The international window construction industry relies on gas springs and dampers from STABILUS

Whether it is in skylights, emergency exit windows or smoke exhaust flaps – gas springs and dampers from STABILUS have an established place in window construction. Depending on window type and design, they provide force assisted opening and gentle closing, safe positioning or fast “shooting on.”

Koblenz, January 2010. It is primarily the gas springs of the LIFT-O-MAT product line that have made STABILUS a household name in the international window construction industry. Today, these quality components are installed in a wide variety of different window constructions for the purpose of increasing safety and enhancing convenience.

Heavy windows, easily moved

Hydropneumatic gas springs from the LIFT-O-MAT product family are very popular in large skylights. They assist in the easy opening and closing of picture windows, which can be rather heavy. The HYDRO-LIFT and INTER-STOP models will allow safe and variable positioning of tilted windows at any angle. If the wind pressure (or snow load) increases, the gas spring will yield softly, preventing the skylight from slamming shut. This damping property will also prevent fast and noisy closing under normal conditions, maintaining the functionality of the entire window construction for a long time.

Safely onto the roof

In roof and emergency exit windows, it is also the LIFT-O-MAT gas spring that will assist in easy propping-up and safe holding of the open hatch. Accidental slamming shut of the hatch or window is impossible, allowing easy roof access for contractors or chimney sweeps. Should the situation require variable fixing of a flap in an intermediate position, the HYDRO-LIFT or INTER-STOP may also be used in roof exit doors. Since they require less installation space than a mechanical spring system, it is easy and space-saving to integrate them into the design of emergency and roof exit doors.

Getting the smoke out

A highly safety-relevant use for gas springs from the LIFT-O-MAT line and the STAB-O-SHOC damper is the manufacture of smoke extraction systems. These roof vents, also called smoke exhaust flaps, can be installed – either individually or in combination with light bands – in flat roofs of large factory halls or office buildings as part of the fire protection system. A heavy-duty version of these gas springs is pretensioned and installed in the flaps or “shot on” using a gas cartridge. In a fire, the flaps will open immediately, ensuring that dangerous smoke gases can quickly escape. The versions that are shot on with a mechanism use the STAB-O-SHOC damper. Its high damping force will ensure that the cover does not slam open wide and get damaged in the process. And what’s equally important: The gas springs will work independently of the power supply – which might, after all, fail in a fire.

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Note to editors: Text and pictures are available on the Internet at www.pr-box.de!

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