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## **Pegasus – a smart wing-door safety-storage cabinet with ergonomic features**

For many types of hazardous substances safety cabinets are the best option when it comes to storage. But it's worth doing some research before purchasing to ensure that the model you buy is suitable for the particular substance(s) to be stored, is quality-assured, and offers ergonomic features. The Pegasus safety storage cabinet from asecos meets all of these criteria perfectly. The technology employed in this innovative cabinet means both doors can be easily opened using one hand, and they close automatically, without the need for an electrical power supply. This means 60-per-cent less manual effort is required, and safety is further enhanced.



### **Intelligent technology for ease of use**

Thanks to the asynchronous coupled door-opening mechanism, the doors of the Pegasus can be easily manipulated, even while holding a container. The user does not need to change their grip on the container, a manoeuvre that can be dangerous, nor change their position relative to the cabinet. Because the doors do not open simultaneously – first the right-hand door opens, then the left – less force is required and the two closed doors do not have to be dealt with at the same time.

An innovative automatic self-closing mechanism means the doors shut automatically after 60 seconds. This is thanks to a

combination of different technical processes: a closing spring, with a negative load-deflection curve, ensures not only that the doors are extremely easy to open but also that they slide safely back into the door seals in the final phase of the closing process; a pneumatic sound-absorption unit guarantees a smooth and quiet closing process; 60 seconds after the doors are opened, a pulse is transmitted to release the catches, so the doors of the safety storage cabinet close automatically without the need for an external electrical power source. After 55 seconds an acoustic signal indicates that automatic door closing is imminent. The user can intervene in the closing process at any time and, of course, the cabinet can also be closed manually.

Using the Pegasus cabinet, hazardous substances can be stored in workrooms in compliance with BS EN 14470-1 (Type 90 – i.e. fire-resistant up to 90 minutes. Optional interior fittings include shelves, or removable drawers, and the cabinet's storage capacity is up to 235 litres.

Because the cabinet's operation is purely mechanical it can be used in potentially explosive atmospheres. It is secured via a cylinder lock, and thus can be used with integrated locking systems. There is an air outlet in the cabinet ceiling, and an earth connection is also provided. Stabilisers are available to overcome problems with uneven floors. In case of fire, built-in thermal devices ensure automatic closure of the doors and drawers.

More detailed information on the range of ergonomic safety storage cabinets available from asecos can be found in its brochure 'catalogue compact 3' (Specialist information on the storage of hazardous substances) – to request a free copy, e-mail: [contact@asecos.com](mailto:contact@asecos.com).

Further information or graphic material can be requested directly at asecos at any time and **free of charge**.

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**About asecos:**

The company asecos, with its headquarters in Gründau (Germany), was founded in 1994. Since 17 years, asecos is dedicated to the research and development of innovative products for a safe storage and handling of hazardous materials. Nowadays, the product range comprises more than 1.700 technical solutions for handling, safe transport or ventilation of hazardous materials – inside and outside of buildings. Among others, the product range includes safety storage cabinets and gas cylinder cabinets (according to EN 14470-1/-2), hazardous material workplaces, pallets and sumps. In 2006, asecos has introduced a new business segment which consists of solutions for air purification and non-smokers' protection. All products are produced in Germany. asecos' service offer includes worldwide product maintenance and customer support.