

# PROVENTIA EVA Safe



## Module for Safety and Abuse Testing of Batteries



**PROVENTIA EVA SAFE** is designed to perform fire propagation, crushing, and other abuse tests like nail penetration in a safe and controlled space. EVA Safe is a modular compact test module, which makes it possible to locate it away from buildings and people. This helps to prevent any unnecessary risks related to people and property when doing misuse testing.

Proventia EVA Safe is fast to deploy and easy to operate. The test module does not need heavy foundations, a large number of interfaces, or internal preparations. The structural integrity

of EVA Safe is secured by stainless steel reinforced floors and walls that withstand a battery explosion of up to 2kWh in energy content based on a typical lithium-ion battery (NMC).

# FAST AND EASY



## STANDARDS AND DIRECTIVES

- Designed to European Machine Directive ISO 2006/42/EY
- Designed according to EI60 fire rating
- Fulfils safety automation functions

## Operational features

- CCTV cameras with protective enclosures for monitoring the tests
- Constant removal of hazardous gases during the test
- Removal of small particles and gases in the HEPA filter
- Rupture disc with ceiling installation: in the event of an explosion, a gas release is directed safely upwards



- Gas detection, extraction, and filtration for hazardous gasses
- Test cell status lights and emergency stop monitoring
- Status display and touchscreen control for the ventilation unit
- Touch screen control and alarms of the gas detection system
- Communication with the site alarm system
- Remote connection and data storage for cameras inside the test cells
- Utilises Beckhoff hardware with global support for parts and service.
- Manually released aerosol fire suppression system as an option

## Contact us

Get in touch, and we will be happy to tell you more!

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