

# GLORIA®

## Im Focus

### NEW AT GLORIA!

### The ace even for sensitive applications!



Lithium-Ion batteries are both a blessing and a curse. High energy density on the smallest storage cell represents a quantum leap and, despite the most modern technology, involves certain risks.

Fires and explosions caused by lithium-ion batteries, which are used operationally in work equipment such as drill screwdrivers, laptops, smartphones or flashlights, are increasing continuously. Larger energy storage devices, such as those installed countless times in large electrical appliances, e-bikes and e-scooters, multiply the fire potential.

Usually qualitative defects, the age of the batteries, accidents, but also carelessness are the mechanical, thermal or electrical causes of fires. Damages, temperature effects and overcharging can lead to an increase in internal resistance and at the same time, especially with high current flows, cause the temperature to rise significantly. This results in an increase in pressure inside the cell and eventually in a breakdown, possibly with fire and explosion. Another cause of fire is the improper, unprotected storage of defective lithium-ion batteries or their storage in so-called „unclear“ condition. Lithium-ion batteries can simply be physically damaged by mechanical impacts during transport and storage or thermal stress in terms of strong sunlight, heat or cold. Worst case, this can lead to the escape of flammable gases or electrolyte and consequently to ignition. Overheating is usually indicated by white/gray smoke.

In such a case, the actual fire-fighting of smaller lithium-ion batteries (up to 600 Wh) by trained personnel requires a fire extinguisher with a particularly high cooling effect, if possible with a pre-mounted extinguishing lance to maintain a safe distance.

Today, we have the pleasure to introduce our new ace even for sensitive applications:

## The GLORIA water fire extinguisher with Cool-Down-Effect **WKL 6 PRO and WKL 9 PRO** Approved for fire class A, suitable for lithium-ion batteries

Get to know the new member of the GLORIA product family with all its technical specifications and advantages and convince yourselves in the attached product brochure.

Additional information and material on the technical specifications of the new extinguisher is available on our website.

Should you still have questions, please get in contact with us. You can reach us by telephone or send us an email.

Your GLORIA Team

