

A woman with brown hair tied back is looking out of an airplane window. The view outside shows a bright blue sky with white clouds. The interior of the plane is dimly lit. A magazine is visible in a holder on the left. A dark grey rectangular overlay is at the bottom right, containing the text 'E:BAG Fire Suppression Solution' and the website 'www.e-flair.com'.

flair^o

E:BAG

Fire Suppression Solution

www.e-flair.com

Ensuring Airline Safety Preventing Electronics-Related Fires with E:Bag by Flair

In recent years, the proliferation of electronic devices such as smart-phones, laptops, power packs, and e-cigarettes being brought on board flights has raised concerns about the safety and security of passengers during air travel. The risk of these devices catching fire while in use or charging poses a significant threat to everyone on the aircraft. With the exponential growth of technology, the need for innovative solutions to mitigate these risks is more crucial than ever.



Enter E:BAG by Flair, a revolutionary product designed to protect and prevent potential fire hazards caused by electronics on airplanes. This cutting-edge technology integrates PBI fire-resistant materials and NANO technology that contains FK-5-1-12 to suppress the fire when a 140 degrees Celsius is breached. The use of advanced safety features designed in E:BAG provide a secure environment for electronic devices and other

potential fire risks within the confined space of an aircraft cabin.

The primary concern with electronics on planes is the potential for lithium-ion batteries to overheat and catch fire. These incidents can lead to catastrophic consequences, endangering the lives of passengers and crew. E:Bag addresses this issue by offering a dedicated compartment with thermal insulation to contain and suppress any potential fires that may arise from electronic devices.

Moreover, E:BAG is equipped with a passive and a built-in fire detection system that can immediately deal with these abnormal temperature rises of electronics or fire risks. This proactive approach enables swift action to be taken to prevent fires from spreading and causing extensive damage in a potentially high risk situation.

The importance of enhancing safety measures on airplanes cannot be overstated, particularly in the face of the growing number of electronic devices being carried on board by passengers. E:BAG by Flair represents a vital step towards ensuring the well-being and security of travellers by minimizing the risk of electronics-related fires in the aircraft cabin.

As technology continues to advance and evolve, it is imperative that airlines and passengers alike prioritize safety and take proactive measures to prevent potential hazards. With E:Bag, travellers can rest assured knowing that their electronic devices are protected and that every effort has been made to enhance the safety standards on board flights.

In conclusion, the introduction of E:BAG by Flair marks a significant advancement in aviation safety, offering a comprehensive solution to mitigate the risks associated with electronics on planes. The E:BAG comes in three sizes a 15 litre for smaller devices such as phones and e-cigarettes, a 30 litre for iPads and alike and 45 litre for larger items. With these innovative products on board we can create a safer and more secure environment for passengers to enjoy a worry-free travel experience.



E:BAG

Fire Supresion System

E:BAG is designed in three differing sizes to accommodate a wide range of electronics found on board a flight. The E:BAG can also be tailored to match airline colours to be integrated as a crucial part of the on board safety of the crew and travellers. This provides a quick and easy solution to what could be a highly stressful and potentially dangerous event.

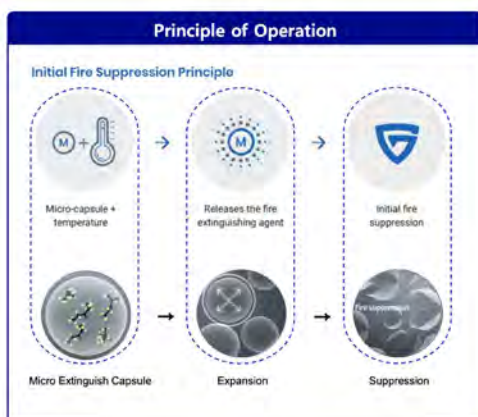
3X
sizes

bespoke

suppression



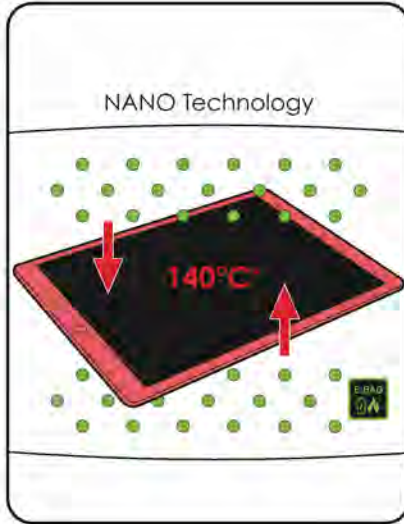
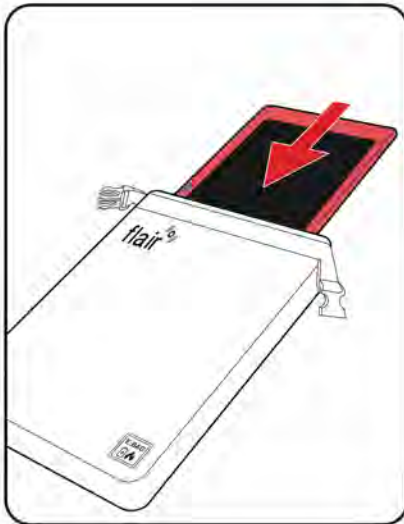
E:BAG utilises FBI Material that is used in many heat sensitive environments. It has a built in para-aramid grid for extra durability. It provides excellent heat residence which is crucial in a electrical fire.



Flairs Nano Technology is at the core to ensure safety when using the E;BAG. While other flight bags only contain the fire we look to both to contain and then suppress the fire with Nano Technology. When the temperatures reach 140 degree Celsius within the E:BAG the Nano technology is released and suppresses and ultimately extinguish the fire.

This passive system is ideal as it does not need maintenance or extra protocols in place making it a ideal solution across a wide range of applications and markets.





Flair Partnership:



At Barnbrook, our mission is to design and deliver solutions through innovative engineering and working closely with customers to understand their pain points. We do this through customer centric practices, while fostering local employment and growing the next generation of thinkers. At Barnbrook we believe any problem can be solved by design and engineering.

Certification:

CAA Part 21-G, CAA Part 145, FAA FAR 145, Gulfstream UK145 Approval AS9100D (EN 9100:2018/JISQ 9100:2016), SIRA/CSA SIL2 (IEC 61508-2:2010), Cyber Essentials, ISO 9001:2008 and IECQ. Barnbrook is also accredited by the Civil Aviation Authority (CAA) and the Federal Aviation Agency (FAA). Barnbrook are also an approved Engine Control Repair Station.

Barnbrook is also a long-standing member of the aerospace, defence, security and space group ADS and Farnborough Aerospace Consortium (FAC), a not-for-profit organisation which is the longest established aerospace and defence trade body in the UK.

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