JAPANESE PERFLUOROHEXANONE ENERGY STORAGE FIRE EXTINGUISHING DEVICE

Does a plunger type perfluo-rohexanone (C6F12O) fire extinguishing? In this study,a plunger type perfluo-rohexanone (C6F12O) fire extinguishingdevice was developed,and key components such as gas generating device and puncture valve were improved. The 271 Ah lithium iron phosphate battery was used to verify the fire extinguishing efficiency and envi-ronmental adaptability of this device in extreme environments.

Is perfluorohexanone a fire extinguisher? Perfluorohexanone is a fluorinated ketone compound. It is a colorless,odorless,and easily vaporized liquid fire extinguishing agentat room temperature. No residue is left after evaporation. The main fire extinguishing mechanism is chemical suppression and flame cooling. The relevant physical parameters are listed in Table 1.

How does perfluorohexanone work? The device is in a storage pressure (perfluorohexanone) when it is not working,and it can be activated with a small current immediately when a fire sig-nal is received. A pressure cavity is formed at the front end of the sealed cavity as a power source,and the perfluorohexanone is atomized by an atomizing nozzle.

What is perfluorohexanone (fk-5112)? Then the fire cylinder valve is opened,and extinguishant is released into the protected zone. Perfluorohexanone (FK-5112) is a colorless,odorless,and non-conductive gas extinguishantfree of secondary pollution. It features cleanness,low toxicity,good electrical insulation,and high fire extinguishing efficiency.

Does perfluorohexanone fire extinguish lithium ion batteries? Wang et al. have studied the fire extinguishing effects of perfluorohexanone on lithium-ion batteries. The study showed that perfluorohexanone could effectively extinguishthe fire of lithium-ion batteries,and extinguished the open flame within 30 s . Liu et al. tested the application of perfluorohexanone to single LIB cells.

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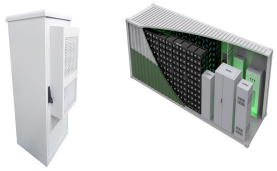
How long does perfluorohexanone spray last? The duration of perfluorohexanone spray was 45 s. The shorter time to extinguish the fire is mainly because of the rapid increase of internal pressure of fire extinguishing device under high temperature. After the extinguishing,the intervening ignition was carried out with an open flame,and there was no re-ignition phenomenon.

internal pressure storage fire extinguishing device ??? 1 T/CECS xxxxx???20xx external pressure storage ???



Aerospace Kangda has obtained a number of invention patents for perfluorohexanone fire extinguishing agent and fire extinguishing equipment, and has more than 20 independent intellectual property rights of ???

The Perfluorohexane fire extinguisher is a device that automatically extinguishes fires in power distribution cabinets and energy storage battery packs. It consists of a 304 stainless steel shell, gas-generating components, ???

When a fire occurs, the device can directly spray fire extinguishing agent to the protection area, so the fire extinguishing efficiency is high and the speed is fast. ???

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Zhuoheng XIE, Ziyang WANG, Gang ZHANG, Zhenning GU, Xiaolong SHI, Bin YAO. Experimental study on fire extinguishing of large-capacity ternary lithium-ion battery by ???

This fire extinguishing system is suitable for various application scenarios, including data centers, electronic equipment, electrical equipment, communication equipment, energy storage power stations, and other high-risk ???

Answer: The resistance of the hot aerosol fire extinguishing device is mainly the resistance of the ignition head, with a single ignition head having a resistance of 2.4 ?(C) to 3.8 ?(C). To ensure the ???

NOVEC 1230 fire extinguisher is a non-pressurized storage perfluorohexane cooling and extinguishing device designed for fire protection in small and specific spaces. The device adopts an integrated, miniaturized ???

Miniature perfluorohexanone fire suppression device. Product Features. Quickly extinguish the fire. Small size, only the size of a charging treasure, can be installed internally. Products are ???

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Perfluorohexanone (C6F12O) is a new-generation fire suppressant designed to combat electrical fires. At room temperature and pressure, it is a colorless, odorless, and non ???

: , , Abstract: In order to verify the fire extinguishing effect of different fire extinguishing devices on the energy storage battery module fire, a test platform ???

Perfluorohexanone microcapsule fire-extinguishing technology provides an important technical solution to solve the problem of fire in small confined spaces. 14???19 Perfluorohexanone, with its non-conductive, volatile, non-residual, easy ???

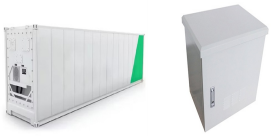
? 1/4 ? ,,???, ???

"Explore the benefits of Perfluorohexanone (FK-5-1-12) in safeguarding new energy storage systems. Learn how this clean, efficient fire suppressant provides superior ???

JAPANESE PERFLUOROHEXANONE ENERGY STORAGE FIRE EXTINGUISHING DEVICE

The main fire extinguishing agents used in lithium-ion battery fires are CO 2 fire extinguishing agents, water-based fire extinguishing agents and dry powder fire extinguishing ???

Build an energy storage lithium battery platform to help achieve carbon neutrality. Module-level perfluorohexanone fire suppression, high-efficiency liquid cooling method, precise temperature control. The device features efficient liquid ???



,? 1/4 ?LIBs? 1/4 ?,,???,, ???

Closer to the fire source, high reliability in detection and fire extinguishing. The sprayed extinguishing agent is insulated, non-conductive, non-toxic and smokeless, which has no harm ???