



**HOT-STOP® 'L'**  
LITHIUM ION FIRE CONTAINMENT KIT

**FOR IMMEDIATE RELEASE**

Contacts:

Marj Rose – [MRose@market-lift.com](mailto:MRose@market-lift.com)

Ray Goyco – [Ray@Baker-Aviation.com](mailto:Ray@Baker-Aviation.com)

## **HOT-STOP® 'L' FIRE CONTAINMENT DOUBLES THE FIREPROOF STANDARD CODE OF FEDERAL REGULATIONS 14 CFR 1.1**

*30-Minute Fire Penetration Test (FAA AC 20-135) Performed by FAA-Registered Laboratory*

April 30, 2019 – Fort Worth, Texas – Baker Aviation, the master distributor for the HOT-STOP® 'L' Fire Containment Kits, has released successful test results of the high intensity flame powerplant fire penetration test (FAA AC 20-135) of 30-minutes, twice the required time to be considered FIREPROOF, as defined by the Code of Federal Regulations 14 CFR 1.1.

Ray Goyco, Jr., President, and COO for Baker Aviation Maintenance explains, “This is an intense powerplant flame penetration test that aircraft OEMs perform with FAA-Registered laboratories. This test is typically a maximum of 15-minutes and is used for official fireproof or fire resistance designations by the CFR. We are excited to announce that these test results confirm our HOT-STOP fire containment kits are proven to be Fireproof and withstand heat, associated with fire, at least as well as “steel”, while also successfully doubling the test time. We went above and beyond the minimum testing not only to prove our leadership in this market but also to demonstrate to our clients that we are dedicated to their safety and focused on protecting them from the real threat of new and more powerful lithium battery devices being brought onboard aircraft today,” added Goyco.

The Powerplant Fire Penetration test is used to demonstrate compliance with the aircraft powerplant (i.e. engine) fire protection requirements of the FAA. There are two types of fire protection designations as defined by 14 CFR 1.1:

1. Fire Resistant: the capacity to withstand the heat associated with fire at least as well as aluminum alloy in dimensions appropriate for the purpose for which they are used.
2. Fireproof: the capacity to withstand the heat associated with fire at least as well as steel in dimensions appropriate for the purpose for which they are used.

The test utilizes a modified gun-type oil burner which is calibrated to provide a high-intensity flame with a minimum average flame temperature of 2,000 °F and minimum heat transfer rate of 4,500 BTU/hr or 9.3 BTU/ft 2-sec.

As reported by Aeroblaze Laboratory, the HOT-STOP® 'L' Fire Containment Kit successfully prevented the high-intensity flame from penetrating through its wall. The Containment Kit passed the five-minute Fire-Resistant test, the fifteen-minute Fireproof test, and the extended 30-minute test. The flame was applied for thirty minutes, then the burner was shut off and rotated out of position. No flame penetration or back-side burning occurred during testing. After examining the test sample, it was determined that the flame hadn't penetrated the inner layer.

HOT-STOP 'L' fire containment kits that are a light-weight solution which quickly eliminates the risk of personal electronic device (PED) battery fires and contains 100% of toxic smoke, associated gas emissions, and potential explosions onboard aircraft. HOT-STOP® 'L' products are manufactured by Industrial Energy Products (IEP) in Mount Joy, Pennsylvania in the USA. For full test results and videos with more information about HOT-STOP 'L' Fire Containment solutions, go to [www.HOT-STOPL.com](http://www.HOT-STOPL.com).

### ***About HOT-STOP® 'L'***

The HOT-STOP® 'L' bags are made up of multiple durable fabrics with a felt inner core that has a 3200°F melting point which is sandwiched between two outer layers that have a 2080°F melting point and are proven to absorb energy and fire while eliminating the escape of smoke, sparks, and flames. Multiple sizes are available to fit various devices up to the large 27" x 26" vessel designed to contain defibrillators and oversized all-in-one computers. Custom solutions are available. Larger kits include a carry/stowage sling, and optional accessories comprise of an exterior carry bag with zipper and Velcro wall mounting kit.

The HOT-STOP® 'L' EVO series was introduced to the airlines that are looking for containment solutions that will minimize the risk of unknown devices being brought onboard, including portable charger/battery packs, e-cigarettes, and internal equipment, such as defibrillators, and electronic flight bags that are carried inside the cockpit. The added zipper technology offers an additional layer of security with its zero tolerance, airtight closure that is designed to contain a device in full thermal runaway until it has burned out. It can be deployed in five to six simple steps.

### ***About Baker Aviation***

Baker Aviation is a full-service aircraft maintenance, management, and charter company, licensed to provide professional aviation services worldwide. ARG/US Platinum-Rated and IS-BAO registered, Baker Aviation is headquartered at Meacham International Airport in Fort Worth, Texas. FAA Part 145 maintenance services are also provided at KFTW with expertise in airframe maintenance for Hawker, King Air, Beechjet, Citation, Learjet, Falcon, Challenger and Gulfstream aircraft. Baker is a stocking distributor of PMA Parts from Omega Aircraft Articles and has established dealerships with BLR Aerospace, and Aircraft Lighting International. Baker Aviation is also the exclusive master distributor of the HOT-STOP® 'L' Fire Containment Kit product line. To learn more or to schedule service, please visit [baker-aviation.com](http://baker-aviation.com) or call 972-248-0457.

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