



Proven

100 years of fire extinguishing experience. Compliant with environmental legislation.

Kidde Fire Protection Systems

Halotron BrX™ (2-BTP) “Green” Handheld Cabin Extinguisher

Kidde Aerospace & Defense, a unit of UTC Aerospace Systems, offers a non-Halon fire extinguisher for use in aircraft cabins. The Halotron BrX™ (2-BTP) “Green” Handheld Cabin Extinguisher is a drop-in replacement for existing Kidde units.

BTP is a promising, environmentally safe, drop-in replacement. The extinguisher has passed UL 711 5B:C, 2B cold temperature and FAA MPS tests.

Technical

- Drop-in replacement for existing Kidde units
- Uses ‘green’ non-ozone depleting extinguishing agent

Legislation

- ICAO, EU and EASA have all issued directives for replacement by 2025
- EPA SNAP-approved extinguishing agent
- All new production aircraft from Dec. 31, 2018 fitted with new technology



UTC Aerospace Systems

For additional information:

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This document does not contain any export controlled technical data.



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Regulations Effecting Halon Use

In February 2014, the European Aviation Safety Agency (EASA) issued a notice of proposed amendment intended to address ICAO standards, with comments due February 18, 2015. Additionally, the International Civil Aviation Organization passed Resolution A37-9, effective October 30, 2011, and the European Commission Regulation Number 744/2010 was approved August 18, 2010.

System	EASA	ICAO	European Commission	
	Cut-off Date (5)	Cut-off Date	Cut-off Date (2)	End Date (3)
Lavatory Waste Bin	Dec. 31, 2015	Dec. 31, 2011 (1)	Dec. 31, 2011	Dec. 31, 2020
Portables	Dec. 31, 2018	Dec. 31, 2018 (1)	Dec. 31, 2014	Dec. 31, 2025
Engine & APU	Not addressed	Dec. 31, 2014 (4)	Dec. 31, 2014	Dec. 31, 2040
Cargo Bay	Not addressed	Dec. 31, 2024	Dec. 31, 2018	Dec. 31, 2040

Notes:

1. On or after which Halon must not be used in an aircraft which the individual Certification of Airworthiness is first issued
2. After which Halons must not be used in new equipment (i.e. submission of the request for Type Approval/Certification)
3. Date after which Halons shall not be used & existing systems shall be decommissioned
4. Aircraft type for which an application for a Type Certificate is submitted to the State of Design on or after 31 Dec 2014
5. Proposed, subject to comments and approval, newly produced aircraft

Dimensional Comparison

Description	Halotron BrX™	1211
Part number	476288	898052
Agent weight - lbs (kg)	3.75 (1.70)	2.50 (1.14)
Charge weight - lbs (kg)	< 6.00 < (2.73)	3.81 (1.73)
Overall height - in (cm)	< 18.0 < (45.7)	17.6 (44.8)
Cylinder diameter - in (cm)	3.25 (8.26)	3.25 (8.26)
Overall width - in (cm)	4.67 11.9	4.92 (12.5)
Valve material	Aluminum	Plastic
Cylinder material	Aluminum	Aluminum
Charge pressure - psi (bar) @ 70° F (21° C)	100 (6.90)	100 (6.90)



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