



AEROSPACE STANDARD

AS6271™**REV. A**Issued 2013-01
Revised 2020-01

Superseding AS6271

(R) Halocarbon Clean Agent Hand-Held Fire Extinguisher

RATIONALE

This AS has been revised to include an additional fire extinguisher rating (Type 4) to eliminate an inconsistency between this document and FAA Advisory Circular 20-42D and other clarifications were made to better align this document with EASA ETSO-2C515. Various format changes were also made to the References section to bring this AS up to date with current SAE standards.

1. SCOPE

- 1.1 This AS establishes minimum requirements for halocarbon clean agent hand-held fire extinguishers carried aboard civil aircraft. The requirements include: design (cylinder, valve, gauge, mounting equipment), performance (firefighting effectiveness - hidden fire test, discharge test, type, etc.), environmental (ozone depleting/global warming potential, atmospheric life span), and occupant safety concerns (toxicology - seat fire test).
- 1.2 The purpose of this AS is to provide a technical basis for harmonized regulation of halocarbon clean agent hand-held fire extinguishers across the international civil aviation community.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 UL Publications

Available from UL, 333 Pfingsten Road, Northbrook, IL 60062-2096, Tel: 847-272-8800, www.ul.com.

ANSI/UL 711 Rating and Testing of Fire Extinguishers

ANSI/UL 2129 Halocarbon Clean Agent Fire Extinguishers

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Documents
Document Sharing Hub

2.1.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM D6806 Standard Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography

2.1.3 Code of Federal Regulations (CFR)

Available from the United States Government Printing Office, 732 North Capitol Street, NW, Washington, DC 20401, Tel: 202-512-0000, www.gpo.gov.

14 CFR 23 Airworthiness Standards: Normal, Utility, Acrobatic, and Commuter Category Airplanes

14 CFR 25 Airworthiness Standards: Transport Category Airplanes

14 CFR 27 Airworthiness Standards: Normal Category Rotorcraft

14 CFR 29 Airworthiness Standards: Transport Category Rotorcraft

2.1.4 U.S. EPA Publications

Available from U.S. EPA, Stratospheric Protection Division (6205J), 1310 L Street, NW, Washington, DC 20005, www.epa.gov/ozone/snap.

42 USC § 7671k Significant New Alternatives Policy (SNAP) Program

2.1.5 FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835-5322, www.faa.gov.

DOT/FAA/AR-01/37 Development of a Minimum Performance Standard for Hand-Held Fire Extinguishers as a Replacement for Halon 1211 on Civilian Transport Category Aircraft, August 2002

2.1.6 EASA Publications

Available from European Aviation Safety Agency, Ottoplatz, 1, D-50679 Cologne, Germany, Tel: +49 221 8999 000, www.easa.europa.eu.

CS-23 Certification Specification for Normal, Utility, Aerobatic and Commuter Aeroplanes

CS-25 Certification Specification for Large Aeroplanes

CS-27 Certification Specification for Small Rotorcraft

CS-29 Certification Specification for Large Rotorcraft

2.1.7 European Commission Publications

Available from European Chemicals Agency, Annankatu 18, P.O. Box 400, FI-00121 Helsinki, Finland, <http://echa.europa.eu/web/guest/support/guidance-on-reach-and-clp-implementation>.

EC 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemical Substances