



# Indian Register of Shipping

CERTIFICATE NO: 2024TAC063

## TYPE APPROVAL CERTIFICATE

(This certificate is issued under the Authority of Directorate General of Shipping, Government of India)

This is to certify that the product is in accordance with the applicable rules/standards/codes as described below.  
The product is considered to be suitable for use in marine applications and is **included** in the list of approved products.

MANUFACTURER	SAFEX FIRE SERVICES LTD.
MANUFACTURING WORKS	Plot No.13, 14 & 15, Village-Mahim, Opp. BIDCO, Dist - Palghar - 401 402, Maharashtra, India
REGISTERED OFFICE	A-202, Dhanraj Industrial Estate, S.J. Road, Dhanraj Mill Compound, Lower Parel (W), Mumbai - 400013, Maharashtra, India
PRODUCT NAME	FIRE EXTINGUISHERS
MODEL NO. / TRADE NAME	CO2 4.5 (W/T) CO2 6.5 (W/T)
PRODUCT DESCRIPTION	Carbon dioxide (CO2) type Fire Extinguishers intended for use onboard ships as fire fighting appliances; Material of Construction of Body: Mild Steel For other details, Refer Annexure-I
APPLICABLE RULES/STANDARDS/CODES	- IRS Rules and Regulations for the Construction and Classification of Steel Ships - IS 15683:2018 and IS 16018:2012 - SOLAS 1974 (as amended) Regulation II-2/10.3.1 - IMO Res. A.951 (23) - FSS Code Chapter 4 - MS (Fire Appliances) Rules 1990 (as amended)
CONDITIONS OF APPROVAL	See Annexure-I
VALIDITY	The Certificate is valid until 17/07/2029

ISSUE DATE: 18/07/2024

PLACE: MUMBAI

Premjit Panigrahi

Sr. Principal Surveyor

This Certificate is issued upon the following terms and conditions as laid down in the Society's Regulations:-  
Whilst Indian Register of Shipping, a Classification Society, along with its subsidiaries and associates (hereinafter referred to as the Society) and its Board/Committees use their best endeavors to ensure that the functions of the Society are properly carried out, in providing services, information or advice neither the Society nor any of its servants or agents warrants the accuracy of any information or advice supplied. Except as set out herein neither the Society nor any of its servants or agents (on behalf of each of whom the Society has agreed this clause) shall be liable for any loss damage or expense whatever sustained by any person due to any act or omission or error of whatsoever nature and however caused of the Society, its servants or agents or due to any inaccuracy of whatsoever nature and however caused in any information or advice given in any way whatsoever by or on behalf of the Society, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of the Society, or relies on any information or advice given by or on behalf of the Society and suffers loss damage or expenses thereby which is proved to have been due to any negligent act omission or error of the Society, its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of the Society then the Society will pay compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by the Society for that particular service, information or advice. Any notice of claim for loss, damage or expense, as referred to above, shall be made in writing to the Society's Head Office within six months of the date when the service, information or advice was first provided, failing which all the rights to any such claim shall be forfeited and the Society shall be relieved and discharged from all liabilities.

**ANNEXURE – I**  
**(TO CERT. NO. 2024TAC063 DATED 18<sup>TH</sup> JULY 2024)**

Sr. No.	Product Description	Capacity	I.S. Standard	Operating Temperature range	Class of Fire
1	Portable Carbon Dioxide (CO <sub>2</sub> ) type (W/T)	4.5kg	IS 15683: 2018	-30° C to +60° C	BC
2	Trolley mounted Carbon Dioxide (CO <sub>2</sub> ) type (W/T)	6.5kg	IS 16018: 2012	-30° C to +55° C	BC

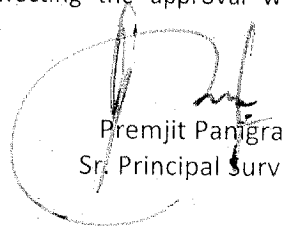
Note: 1) -IS 15683:2018 "Portable fire extinguishers – Performance and Construction – Specification"  
 2) -IS 16018:2012 "Wheeled Fire Extinguishers - Performance and Construction – Specification"  
 3) W/T – Wheel Type Valve

**TERMS AND CONDITIONS**

This approval is subject to following:

- 1) The manufacturer is to maintain effective quality system complying with the most current version of ISO 9000 series. Manufacturing license issued for the products by Bureau of Indian Standards is to remain valid throughout the validity of this certificate.
- 2) Each extinguisher is to be supplied by the manufacturer with
  - A Manual for installation, use, recharge and maintenance
  - Operating instructions in pictorial form, in addition to explanatory text in language understood by the user.
- 3) Each extinguisher should be clearly marked with temperature range (as indicated above) over which the extinguisher will operate satisfactorily.
- 4) Instructions, complying with Para. 9 of IMO Res. A.951(23), to carry out periodical inspections and servicing of the extinguishers are to be given by the manufacturer to the user.
- 5) Annual audit being carried out to cover following aspects
  - Ensure continued compliance to rule requirements and IS standard
  - To verify record of different types of extinguishers supplied from each batch and tests conducted on samples taken from each batch. (Number of samples tested in each batch is to be in accordance with the sampling criteria mentioned in the applicable IS standard)

Upon completion of the annual audit, Annexure II of this certificate is to be duly endorsed by our surveyor for continued validity of the approval.
- 6) Each fire extinguisher is to be clearly and permanently marked with the following information as prescribed in the latest revision of the respective national standard: Name of the manufacturer or trade mark, capacity and type of the extinguisher, Year of manufacture, test pressure, serial number etc.
- 7) Any revision to the applicable IS standard would necessitate testing and re-approval of the fire extinguishers. Any change in the manufacturing process affecting the approval would require reassessment of the works for continued approval.

  
 Premjit Panigrahi  
 Sr. Principal Surveyor

