

TC No.: KF/LI/HQ2/001/26	Model No.: KFLIHQ-2	Date: 20-01-2026
Type and Capacity of Extinguisher	: KFLIHQ-2-Lithium-Ion (AVD) Stored Pressure Fire Extinguisher 2 Ltr	
Batch Number	: KFLIHQ2 001/26	
Batch Quantity	: 51.00 Nos.	
Serial Numbers	: 00001 To 50 And 5A	
Month of Manufacturing	: Jan/26	
Date of Inspection	: 20-01-2026	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	--	Extinguishing Agent	Aqueous Vermiculite Dispersion (AVD) Emulsion	One	Pass
2	5.2	Propellants	The propellants for stored pressure and cartridge operated extinguishers shall be air, carbon dioxide and nitrogen.	All	Nitrogen
3	5.3.2	Filling tolerance	+5% by Volume	One	Pass
4	6.1	Hydro test of the body	Test pressure 35 bar, Hold for 2.5 Min.	All	Pass
5	7.2	Effective discharge time	Approved fire rating is 1A, hence Min. duration is 8sec. Sr. No. :00001	One	32 SEC.
6	7.2	Bulk range of Discharge	Approved fire rating is 1A, hence Min. bulk range is 2m. Sr. No. :00001	One	2 Mtr.
7	3.8	Percentage of Discharge	Min. 95%, Sr. No. :00001	One	97%
8	7.4.1	Retention of Charge following partial discharge	The second pressure or weight shall not be less than 75% of the first after interruption of the discharge. Sr. No. :00002	One	97%
9	7.4.2	Leakage Test	Inverted Glass Jar/ Applying Soap Solution	All	Pass
10	9.2	Construction Requirements	As per IS 15683:2018	All	Pass
11	9.2.2	Burst test of body	Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding . Sr. No. :00005A	One	137 Bar
12	9.3	Carrying Handle	Requirements as per IS 15683:2018	All	Pass
13	9.4	Mounting Test	As per IS 15683:2018	All	Pass
14	9.5	Valves and Closures	As per IS 15683:2018	All	Pass
15	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	157N
16	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	50N & 55N
17	9.10.6	Safety Locking Devices	Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018	Two	50N & 55N
18	10.1	Color for body	Shade No. 538(P.O. Red) of IS 5 and yellow band to be provided	All	Pass
19	--	Anticorrosive treatment & Painting	Phosphate treatment followed by Pure polyester Powder coating with DFT not less than 50μ.	All	(65-90)μ
20	10.2.1	Marking	As per IS 15683:2018	All	Pass
21	10.2.2	Operating Instructions	As per IS 15683:2018	All	Pass
22	10.2.3	Code symbols	As per IS 15683:2018	All	Pass
23	10.3	Inspection instruction	As per IS 15683:2018	All	Pass
24	Type tests	1)Resistance to Temp. changes 2)Impact test 3)Vibrations test 4)External Corrosion test 5)Internal Corrosion test 6)Intermittent discharge 7)Maximum Service Pressure 8)Crushing test 9)Pressure cycling 10) Fire performance test	As per IS 15683:2018	As per Scheme of testing	Pass
25	--	Dimensions and Completeness	Diameter: 106±5mm, Height: 380mm Approx Thickness: 1.6 mm Approx	All	Pass

Remarks: This is to certify that the Lithium-Ion Stored Pressure Fire Extinguisher of capacity 2 Ltr meets and confirms to the requirements of IS 15683:2018.



Authorized Signatory