

TC No.: C22.5/RQ/038/25	Model No.: KFCRQ-22.5	Date: 29-12-2025
Type and Capacity of Extinguisher	: KFCRQ-22.5-Kanex CO2 High Pressure Fire Extinguisher Cap. 22.5 Kg.	
Batch Number	: KFCRQ22.5 038/25	
Batch Quantity	: 50.00 Nos.	
Serial Numbers	: 01851 To 1900	
Month of Manufacturing	: Dec/25	
Date of Inspection	: 29-12-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	3.5	Service Pressure	Shall be above 19 bar for high pressure extinguishers	One	60 bar
2	5.1	Extinguishing media	As per IS 15222	One	Pass
3	5.3 & 5.4	Capacity and fill density	22.5 Kg (Tolerance +0, -5%) and fill density not exceed 0.667 kg/l	Each	Pass
4	6.4.1(a) & (b)	Retention of charge	As per IS 16018:2012	Each	Pass
5	6.5	Intermittent discharge test	Conditioned cylinder at 27±5°C and 55±5°C for 18hrs and then operate it intermittently by opening and closing the valve at 5 Sec interval, not more than 10% content should remain in cylinder Test done on Sr. No.: 01751	One from Every 7th batch	3% content remain for 36thbatch
6	7	Fire performance test	Minimum rating for B class fire is 55B	Once in year	89B
7	8.2	High pressure cylinders	As per IS 16018:2012	Each	Pass
8	8.4.3	Material	As per IS 7285	One	Pass
9	8.6	Minimum wall thickness	Based on formula given in standard, minimum wall thickness for 232mm diameter is 5mm	Each	Pass
10	8.7	Caps, valves and closures	As per IS 16018:2012 requirements	One	Pass
11	8.8.1.1	Safety devices	As per national regulations	Two	Operating pressure of safety device is 210-220kgf/cm2
12	8.9.2.1	Leakage test	As per IS 16018:2012	Each	Pass
13	8.11.1	Discharge assembly	Length of hose Min.4 mtr for capacity more than 25kg and Min 1.5 mtr for capacity less than or equal to 25kg.	Each	5 mtr
14	8.11.3	Discharge assembly	Burst Pressure of discharge hose shall not be less than 250kgf/cm2	Two from every 7th batch	453 and 453 kgf/cm2 burst pressure found for 36th batch
15	8.13	Requirements for the horn	As per IS 16018:2012	One from every 10th batch	Pass
16	8.14	Method of Operation	Force require to open discharge valve shall be maximum 120 N	One from every 10th batch	92 N for 31st batch
17	8.15	Safety locking device	To release safety locking device,required force shall be in between 20N to 100N	One from every 10th batch	52 N for 31st batch
18	8.18	Carriage assembly	As per IS 16018:2012	One	Pass
19	9.1	Colour	Colour shall be red	All	P.O. Red as per IS 5
20	9.2	Marking	As per IS 16018:2012	All	Pass
21	9.3	Operating Instruction	As per IS 16018:2012	All	Pass
22	TYPE TESTS	1) Performance Requirements 2) Resistance to Temp. Change 3) Resistance to corrosion 4) Fire Performance test 5) Maximum service pressure test 6) Pressure cycling test	As per IS 16018:2012	As per Scheme of Testing	Pass
23	--	Dimension & Completeness	Diameter: 232±10mm , Height: 1155mm Approx.	All	Pass
24	--	Approvals	PESO & BIS	All	Pass

Remarks: This is to certify that the CO2 Type Fire Extinguisher (Trolley mounted) of Capacity 22.5 kg. meets the requirements of IS 16018:2012 and confirms to IS 16018:2012.



Authorized Signatory