

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

Clean Agent wheeled fire extinguishers : UNSPSC Code - 46191601--- (ITCHS CODE)

S.No.	Parameters	Ch/N	Value 1	Value 2	Value 3	Value 4	Validation	Unit
Generic								
1	Clean Agent Stored Pressure wheeled fire extinguishers	Ch	Conforming to IS 16018 latest				M	
2	Scope	Ch	Clean agent based wheeled fire extinguishers are larger version of the portable fire extinguishers.				M	
3	Nominal Charges Content capacity	N	10	20	30	50	G	Kg
4	Extinguishing Media	Ch	Clean agents used in wheeled fire extinguishers conforming to IS 15493 or supplier certified				M	
5	Name of Clean agent with zero ODP(ozone depleting potential) as per IS 15493 to be used for fire suppression	Ch	HFC227ea	HCFC Blend A	HFC		F	
6	Clean Agent listing	Ch	UL		FM Global		F	
7	Propellants Type	Ch	Stored Pressure				M	
8	Suitably for the Class "A" of Fire	Ch	Yes		NO		F	
9	Suitably for the Class "B" of Fire	Ch	Yes		NO		F	
10	Suitably for the Class "C" of Fire	Ch	Yes		NO		F	
Constructional								
1	Cylinder Pressure Type	Ch	Low Pressure Cylinders (service pressure less than 2.5 Mpa)				M	
2	Cylinder Material	Ch	Welded Low Carbon Steel contain a maximum of 0.25 percent carbon, 0.05 percent sulphur and 0.05 percent phosphorus.		Austenitic stainless steel having a maximum carbon content of 0.03 percent	Aluminium cylinders of a seamless construction conforming to IS 15660	G	

3	Rechargeable	Ch	Yes				M	
4	Constructional requirements of complete fire extinguisher	Ch	as per clause 8 of IS :16018				M	
5	Discharge Assembly	Ch	Hose at least 4.0 m long and a shut-off nozzle at the end of the hose		Hose at least 1.5 m long with shut-off nozzle at the end for less than 25 kg capacity		F	
6	Wheeled Carriage Assembly	Ch	yes , as per clause 8.18 of IS 16018				M	
7	Total mass of a fully charged wheeled fire extinguisher(without trolley and trailer)	Ch					$17 \leq N \leq 450$	Kg
8	Durability of fully charged wheeled fire extinguisher	Ch	as per clause 6.7 of IS 16018				M	
9	Electrical Conductivity of Extinguisher Discharge	Ch	as per clause 6.8 of IS 16018				M	
10	Colour for wheeled fire extinguisher bodies	Ch	Red				M	

Performance

1	Discharge Capacity	Ch	Minimum 85 percent by mass of the actual rated capacity of the extinguisher, when the extinguisher is set into operation under normal temperature conditions of $27^{\circ}C \pm 5^{\circ}C$				M	
2	Operating Temperature	Ch	+5°C to +55°C	-5°C to +55°C	-10°C to +55°C	-20°C to +55°C	G	°C
		Ch	-30°C to +55°C	-40°C to +55°C	-55°C to +55°C			
3	Effective Discharge Time	Ch	≥ 20 second		≥ 30 second		F	
4	Bulk range throw of wheeled fire extinguishers with a Class A rating	N					≥ 6 meter	
5	Duration of Discharge wrt capacity	N					M	second
6	Maximum service pressure (PMS)	N					M	
7	Minimum Bursting Pressure	N					≥ 5.5 Mpa	Mpa

Certification

1	Marking as per specification	Ch	Yes	M	
2	BIS Certification Marking	Ch	Yes	M	
3	CM/L Number	Ch		TBD	
4	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	M	
5	Test Report No	Ch		M	
6	Test Report Date	Ch		M	
7	Name of the Lab	Ch		M	
8	Address of the Lab	Ch		M	
9	Test Report to be provided to the buyer on demand	Ch	Yes	M	