

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

Foam based wheeled fire extinguishers : UNSPSC Code - 46191601--- (ITCHS CODE)

S.No.	Parameters	Ch/N	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Validation	Unit
Generic											
1	Water cum Foam based wheeled fire extinguishers	Ch	Conforming to IS 16018 latest							M	
2	Water-based extinguishers Nominal Charges Content capacity	N	10	20	30	45	60	90	125	G	Ltr
3	Extinguishing Medium		Water and AFFF foam mixture								
4	AFFF Foam Specification	Ch	AFFF Concentrate to IS : 4989 part IV latest			AFFF Concentrate to IS : 4989 Pt IV latest and UL-162		AFFF Concentrate to UL-162		F	
5	Type of Foam Concentrate	CH	Type 3 — To be used with 97 percent water and 3 percent concentrates		Type 6 — To be used with 94 percent water and 6 percent concentrates			Type 1 — To be used with 99 percent water and 1 percent concentrates		F	
6	Propellants Type	Ch	Stored Pressure		ISI marked propellant gas cartridges to IS 4947		External gas cartridge as per IS 7285			F	
7	Propellant for stored-pressure and cartridge operated wheeled fire extinguishers		Air	Argon	Carbon dioxide	Helium	Nitrogen	Mixture of gases		F	
8	Internal CO2 Cartridge capacity as per IS:4947	Ch	300			NA for external gas cartridge			F	gram	
9	External gas cartridge capacity		1			2		NA		F	KG
10	Suitably for the Class "A" of Fire	Ch	yes				NO			F	
11	Suitably for the Class "B" of Fire	Ch	yes				NO			F	

Constructional											
1	High Pressure Cylinders (service pressure more than 2.5 Mpa)	Ch	yes						F		
2	Low Pressure Cylinders (service pressure less than 2.5 Mpa)		yes								
3	Cylinder Material	Ch	Low Carbon Steel conforming to IS:513 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	
4	Rechargebale	Ch	Yes						M		
5	Constructional requirements of complete fire extinguisher	Ch	as per clause 8 of IS :16018						M		
6	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 / 25 Liter capacity			F		
7	Wheeled Carriage Assembly	Ch	yes , as per clause 8.18 of IS 16018						M		
8	Total mass of a fully charged wheeled fire extinguisher(without trolley and trailer)	Ch							17≤N≤450	Kg	
9	Durability of fully charged wheeled fire extinguisher	Ch	as per clause 6.7 of IS 16018						M		
10	Electrical Conductivity of Extinguisher Discharge	Ch	as per clause 6.8 of IS 16018						M		
11	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° C ± 5°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	-30°C to +55°C	-40°C to +55°C	-55°C to +55°C	G	°C
3	Effective Discharge Time	Ch	not less than 40 s and not more than 210 s.						M		
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	TBD
7	Minimum Bursting Pressure	N		≥5.5 Mpa	Mpa TBD
Certification					
1	Marking	Ch	as per clause 9.2 of ISS	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	