

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

Water 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									
4	Propellants Type	Ch	Stored Pressure		ISI marked propellant gas cartridges to IS 4947			External gas cartridge as per IS 7285		F		
5	Propellant for stored-pressure and cartridge operated wheeled fire extinguishers		Air	Argon	Carbon dioxide	Helium	Nitrogen	Mixture of gases		F		
6	Internal CO2 Cartridge capacity as per IS:4947	Ch	250			300		NA for external gas cartridge		F	gram	
7	External gas cartridge capacity		1			2		NA		F	KG	
8	Suitably for the Class "A" of Fire	Ch	Yes				No				F	
Constructional												
1	Low Pressure Cylinders (service pressure less than 2.5 Mpa)		Yes									
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 / 25 Liter 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 $27^{\circ} \text{C} \pm 5^{\circ} \text{C}$					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	