FIRE EQUIPMENT · 28

MLC Fire System Services

Maintenance, refilling and testing enquiries for existing fire equipment and systems.

What is the frequency of fire extinguisher refilling as per is 2190?

Once every year, According to the guidelines set by the Bureau of Indian Standards (BIS), specifically IS 2190, the recommended frequency for refilling fire extinguishers is once every year. This standard is crucial to ensure the optimal functioning and reliability of these life-saving devices.

The fallowing Fire Extinguishers refilling services are available in MLC Fire System Services

- CO2
- DCP
- ABC Type
- Clean Agent
- Foam Type

Fire Equipment's AMC Services:

The following Fire Equipment's AMC is available by MLC Fire Systems Services:

- Fire Extinguishers
- Fire Modular
- Fire Hydrant System
- Fire Detection System
- Fire Suppression System

Supporting in getting Fire NOC for new organizations and any other licenses required by Local Fire Authorities

ANNEX E

IS 2190 : 2010

[*Clauses* 12.2.1 *and* 12.2.2 (g)]

SCHEDULE FOR HYDRAULIC PRESSURE TESTING OF FIRE EXTINGUISHERS

E-1 Every extinguisher installed in premises shall be hydraulically pressure tested as per the schedule given below. There shall not be any leakage or visible distortion. Extinguisher which fails in this requirement shall be replaced.

E-2 The carbon dioxide type and clean agent type fire extinguishers shall be pressure tested every time when the cylinders are sent for recharging (after periodic discharge test or otherwise) to the pressure specified in the relevant Indian Standard specifications.

Sl No.	*Type of Extinguisher*	*Test Interval* Year	*Test Pressure* kg/cm²	*Pressure Maintained for* min
i)	Water type (gas cartridge) (IS 940)	3	35	2.5
ii)	Water type (stored pressure) (IS 6234)	3	35	2.5
iii)	Water type (gas cartridge) (IS 13385)	3	35	2.5
iv)	Mechanical foam type (gas cartridge) (IS 10204)	3	35	2.5
v)	Mechanical foam type (stored pressure) (IS 15397)	3	35	2.5
vi)	Mechanical foam type (gas cartridge) (IS 13386)	3	35	2.5
vii)	Mechanical foam type (gas cartridge) 135 litre (IS 14951)	3	35	2.5

Sl No.	*Type of Extinguisher*	*Test Interval* Year	*Test Pressure* kg/cm²	*Pressure Maintained for* min
viii)	Dry powder (stored pressure) (IS 13849)	3	35	2.5
ix)	Carbon dioxide IS 2878	5	250	2.5
x)	Clean agent (IS 15683)	3	35	2.5
xi)	Dry powder (gas cartridge) (IS 2171, IS 10658 and IS 11833)	3	35	2.5

NOTE — Extinguisher's should be hydraulically tested with cap.

HPT of Fire Extinguishers, Hydrostatic testing is a way to test the fire extinguisher tank for leaks and overall strength. The portable fire extinguishers must be tested periodically to ensure it's safety and reliability. In addition to annual inspections, portable fire extinguishers must be disassembled and hydrostatically tested periodically.

Frequently Asked Questions

Q. Which fire extinguishers can MLC refill?

CO2, DCP, ABC type, clean agent and foam type extinguishers.

Q. What does the fire equipment AMC cover?

Fire extinguishers, fire modular units, fire hydrant systems, fire detection systems and fire suppression systems.

Q. What is hydrostatic pressure testing (HPT) of an extinguisher?

A test of the extinguisher tank for leaks and overall strength. Besides annual inspections, portable extinguishers must be dismantled and hydrostatically tested periodically.

Q. Can MLC help with a Fire NOC?

Yes. MLC supports new organisations in getting a Fire NOC and any other licences required by the local fire authorities.

Useful details to share when you enquire

- Building layouts and the equipment inventory
- Existing system drawings and service records
- Installation, supply or maintenance requirements

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