



FIRE EQUIPMENT · 28

MLC Fire System Services

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

The banner features a central image of a technician in a white hard hat and yellow safety vest working on a red fire alarm control panel. To the left, the MLC logo and text 'MLC QEHs AT ONE PLACE' are displayed above 'FIRE SYSTEM SERVICES' in large, bold letters. Below this, a red bar states 'COMPLETE FIRE PROTECTION SOLUTIONS UNDER ONE ROOF'. A row of icons represents various services: Design & Engineering, Supply of Equipment, Installation & Erection, Testing & Commissioning, Annual Maintenance Contract (AMC), Retrofitting & Upgradation, and 24/7 Support. To the right, a vertical list of benefits includes: Compliant with UL, FM & NFPA Standards; Certified & Experienced Team; End-to-end Solutions; Safe, Reliable & Cost Effective; and 24/7 Service Support. Below the main banner, a section titled 'OUR FIRE SYSTEM SERVICES' displays ten categories with images and descriptions: Fire Sprinkler System, Fire Alarm & Detection System, Kitchen Wet Chemical Suppression System, Clean Agent System (Novec-1230 / FK-5-1-12 / FM-200), Foam Fire Suppression System, Gas Suppression System (CO₂ / IG-55 / IG-541), Fire Hydrant & Hose Reel System, Fire Pump System, Vehicle Fire Suppression System, and Special Hazard Suppression Systems. At the bottom, a red bar lists facility types: Commercial Buildings, Industrial Facilities, Warehouses, Data Centers, Hotels & Hospitality, Healthcare Facilities, Malls & Public Places, and Marine & Port Facilities.

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 following 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

MLC
QEHs AT ONE PLACE

FIRE EXTINGUISHER

HYDRO TESTING

ENSURE SAFETY | COMPLIANCE | LONGER LIFE

Hydro testing ensures your fire extinguishers are safe, reliable and ready when you need them most.

ALL TYPES OF FIRE EXTINGUISHERS

AS PER NFPA STANDARDS

CERTIFIED & EXPERIENCED TEAM

24/7 SUPPORT

ON-SITE & OFF-SITE FACILITY

WHY HYDRO TEST?

- Ensures cylinder strength & safety
- Prevents leakage and failure
- Meets NFPA & local regulations
- Extends extinguisher life
- Keeps your people and property safe

HYDRO TESTING PROCESS

1 INSPECTION
Check for damage, rust & condition

2 DISMANTLING
Remove valve & accessories

3 HYDRO TESTING
Test under high pressure (as per standard)

4 DRYING & REASSEMBLY
Dry, reassemble & fit new seals (if required)

5 TAGGING & CERTIFICATION
Mark with test date & next due date

WE SERVICE ALL TYPES OF EXTINGUISHERS

TESTED | CERTIFIED | COMPLIANT | SAFE

Your Safety... Our Priority

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/cm ²	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/cm ²	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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