

PM10 – THE ACFI-APPROVED, 10-YEAR MAINTENANCE-FREE FIRE EXTINGUISHER



The advantages of the maintenance-free PM10 stored-pressure fire extinguisher in comparison with traditional metal cartridge-operated fire extinguishers are perfectly clear. They do not rust and therefore do not require regular cylinder (pressure vessel) testing. They are lighter in weight, easier to use and more cost-effective in terms of maintenance. These advantages are the result of a development process where, amongst other things, experiences and findings from aerospace technology and motor racing have also been incorporated.

The advantages in a nutshell

- 10 years' maintenance-free serviceability
- 10-year extinguishing agent guarantee
- Serviceability is displayed permanently
- 25% weight advantage = easier handling
- Easiest possible operability and therefore immediately ready-to-use
- Kevlar®-reinforced pressure vessel is corrosion-free
- 100% recyclable and environmentally-friendly
- High level of resistance to chemicals
- Resistant to sea-water (MED)
- No spare parts costs
- Less internal expenditure on management and administration of maintenance work

Materials used

At the heart of this three-walled, stored-pressure fire extinguisher is a Kevlar®-reinforced HDPE cylinder. It therefore boasts a very high resistance to pressure, yet offers a 25% weight reduction. The fittings are designed to comply with a very high standard. PM10 technology has been in use for 10 years in the offshore sector, where it has to endure the toughest conditions.

Checking readiness for use

Because the PM10 is permanently under pressure, checking it is ready for use is possible at all times throughout the entire guarantee period, thanks to two independent manometers.

Maintenance-free

The use of corrosion-free cylinders and fittings, as well as the high-quality extinguishing agent and propellant specified for it, guarantee this fire extinguisher is ready for operation for 10 years under normal operating and application conditions. During this period, no maintenance is necessary, e.g. in the case of traditional fire extinguishers, regular replacement of the extinguishing agent, checking the CO₂ pressure vessels or cylinder testing.

Maintenance / replacement only after 10 years

After 10 years have elapsed, PM10 units are replaced on site. This means that ongoing fire prevention is not interrupted.

Devices that have been deployed are replaced subject to a charge, just like 10-year old units. Extinguishers that are used for fire-fighting are normally subsidised by the respective insurance companies.

If a fire extinguisher is subjected to extreme stress due to its particular location, this can reduce the service life and maintenance intervals.

PM10 fire extinguishers are EN 3 certified and ACFI approved.

PM10 specification summary

Model	PM10-P6 / 1	PM10-P9 / 1	PM10-S6 / 1	PM10-S9 / 1
Extinguishing agent	ABC powder	ABC powder	AFFF foam	AFFF foam
Rating	43A / 233B	55A / 233B	34A / 183B	43A / 233B
Temperature	- 30°C to 60°C	- 30°C to 60°C	5°C to 60°C	5°C bis 60°C
LE (A/B-rating)	12 LE	15 LE	9 LE	10 LE
Extinguishing agent quantity	6 kg	9 kg	6 litres	9 litres
Weight approx.	8,4 kg	11,7 kg	8,4 kg	11,7 kg
Height	570 mm	640 mm	570 mm	640 mm
Depth / diameter	178 mm	210 mm	178 mm	210 mm
Maintenance interval	10 years	10 years	10 years	10 years
Mode of operation	Stored pressure	Stored pressure	Stored pressure	Stored pressure
ACFI approval number	26948	26947	26946	26945
Certificate	Apragaz, CE, EN3, MPA Dresden	Apragaz, CE, EN3, MPA Dresden	Apragaz, CE, EN3, MPA Dresden	Apragaz, CE, EN3, MPA Dresden
JOMOS Article No.	730303	730304	730301	730302

PM10 accessories

Model	Wall mounting 6kg / l	Wall mounting 9kg / l
Height	520 mm	590 mm
Width	168 mm	168 mm
JOMOS Article No.	536013	536014

Design of PM10 fire extinguisher

