MINIMAX

MOBILE SERVICES

FLUORINE-FREE

Extinguishing agent without PFAS additives

FLUORINE-FREE FOAM FIRE CARTRIDGE EXTINGUISHING UNIT

WX 50 n fluorine-free

PRODUCT

- Foam fire cartridge Extinguishing units contain cartridges with PFAS*-free foam concentrate as well as water mixed with a saline solution. They are an ideal tool for combating incipient fires of fire classes A and B.
- In the case of class A fires, the extinguishing effect is based on a combination of cooling effect and barrier effect. The water lowers the temperature to below the ignition point and, as it vaporises, a molten layer is formed, which makes re-ignition impossible. The high wetting effect allows the extinguishing agent to penetrate the burning material.
- In the case of class B fires, a sliding film and a layer of foam block the supply of oxygen; re-ignition and the rise of combustible vapours are prevented.

* per- and polyfluoroalkyl substances

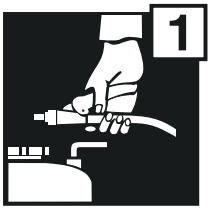
APPLICATION

- Foam fire extinguishing units are used wherever fires involving solid, organic substances or liquid or liquifiable solids need to be extinguished.
- Foam fire extinguishers are an ideal extinguishing solution if sliding, covering and extremely stable extinguishing agent is required.
- Typical areas of application are:
  - Industrial sectors (e.g. mineral oil or animal feed industry)
  - Medical practices and laboratories
  - Shipping
  - Agriculture
  - Waste utilisation and disposal
  - Warehouses

YOUR ADVANTAGES

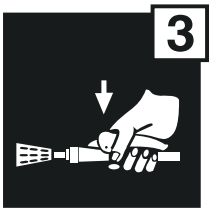
- The extinguishing agent contains no PFAS additives
- Maintenance-friendly, as only the fluorine-free foam concentrate in the cartridge is subject to mandatory replacement intervals, not the water with saline solution in the container.
- Low, easily removable extinguishing agent residues.
- No visually obstructive extinguishing agent cloud.
- Good extinguishing performance through the combination of multiple extinguishing effects.
- Re-ignition of liquid fires is ruled out.
- Good controllability thanks to an extinguishing jet that can be stopped at any time.
- Long throw range.
- Easy to operate.
- Handy and maneuverable.
- Extinguishing agent container made of stainless steel.
- High operational reliability.

FUNCTION



Lay out the hose without kinks.

Pull out the locking pin.
Open the cylinder valve fully.



Point the extinguishing gun
at the source of the fire and operate.

- When the bottle valve is opened, the propellant gas flows through the pressure-reducing valve into the extinguishing agent container. The propellant gas causes the cartridges to rupture and flows into the extinguishing agent container. The fluorine-free foam concentrate mixes with the aqueous solution. When the extinguisher nozzle is activated, the extinguishing liquid is expelled through the foam jet pipe, mixed with air. The extinguishing agent flow can be interrupted at any time using the extinguisher nozzle.
- After extinguishing, close the propellant cylinder valve and place the fire extinguisher horizontally on the handle. Then leave the extinguishing gun open until the remaining propellant gas in the system has evaporated via the extinguishing hose with foam jet pipe (forced flushing with propellant gas).
- The fire extinguisher must then be filled immediately, put back into operation and the empty propellant cylinder replaced with a full one.

MAINTENANCE

- Fire extinguishers must be maintained regularly by competent persons. The intervals for maintenance of portable fire extinguishers should be done in accordance with the national regulations. The competent person has also to comply the maintenance instructions of the manufacturer.
- Suitable for up to 1,000 Volt at a minimum distance of 1 m.
- Propellant gas cylinder: capacity 3 l, filling pressure 150 bar, approved in accordance with Directive 2010/35/EU (TPED).
- Pressure vessel: approved in accordance with Pressure Equipment Directive 2014/68/EU

based on

DIN EN 1866

TECHNICAL DATA

Type	Extinguishing agent quantity, liters	Extinguishing agent	Propellant gas	Test overpressure	Operating pressure (max. PS) at +60°C, approx. bar	Duration approx. s	Foaming number ca.	Mixture flow rate, approx./ min	Foam quantity m³	Discharge range, approx. m	Temperature function range °C	Performance classes* A	Performance classes* B	Weight approx. kg	Hose version
WX 50 n fluorine-free	50	Aqueous solution + cartridges with fluorine-free foam concentrate	Nitrogen	23	6-7	215	6	13,5	0,30	8	+5 to +60	✓	✓	90	Dimensionally stable, 10 m
Dimensions (W x H x D): approx. 485 x 1.097 x 630 mm															Subject to technical modifications

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