MINIMAX
MOBILE SERVICES

MOBILE POWDER EXTINGUISHING SYSTEM IN A CONTAINER ON WHEELS

P 250 RC (BC) and P 250 RC (BC) Light

PRODUCT

- Fire extinguishing systems using BC extinguishing powder are ideal for suppressing initial fires of fire classes B and C.
- BC extinguishing powder has a mechanical, smothering and anti-catalytical extinguishing effect. The extinguishing agent BC Karate used in the Minimax fire extinguishers is based on potassium sulphate. BC extinguishing powder is used (as opposed to ABC extinguishing powder) for fires that burn with an open flame (powder extinguishers for fast-flaming fires). The cloud, composed of minute powder grains, forms a very large surface. When the components involved in the combustion process come into contact with the cold surface of the powder grains, they lose their reactive capabilities and the burning process is suddenly interrupted.

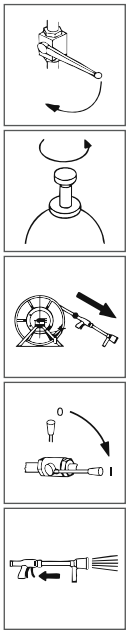
APPLICATION

- BC extinguishing powder reliably extinguishes fires involving liquids or liquefying solids and gases.
- BC extinguishing powder is used in situations where ...
  - mainly risks of fire class B and C occur (e.g., chemical or petrochemical plants)
  - chemicals are used that may react with the mono-ammonium phos phate from the ABC powder (e.g., alkali substances),
  - fires in high-voltage areas are to be extinguished,
  - a particularly high level of extinguishing capability is required in connection with a class B fire.

YOUR ADVANTAGES

- The ideal extinguishing agent for gas fires.
- Offers considerably better extinguishing power for the range of class B fires than ABC extinguishing powder
- The powder and powder cloud are not electrically conductive
- Suitable for use in the high-voltage segment (above 1,000 V); minimum distance 5 m (according to DIN VDE 0132)
- Substantial stock of extinguishing agent
- Long storage life of the extinguishing agent
- Excellent extinguishing effect due to a three-dimensional powder cloud
- The extinguisher agent jet is adjustable at all times, meaning flow control is easy
- High level of operational safety
- Maintenance-friendly
- Easy operation
- Flexible transportability
- Safe to use thanks to a deadman brake
- High-quality materials

FUNCTION



1. Open test valve.
2. Rotate cylinder valve anticlockwise.
3. Roll out the hose, making sure it is free of kinks.
4. After reaching approx. 8 bar container pressure, open the applicator shut-off valve.
5. Aim the applicator at the fire and press the trigger lever.

- When opening the cylinder valve, propellant gas flows through the connecting line and through the gas injection into the extinguishing agent container. This causes the extinguishing power to swirl around. After pressing the shut-off valve at the powder outlet, the powder is propelled into the extinguishing hose and is ejected as a powder cloud when activating the extinguishing pistol. The flow of extinguishing powder stops when the applicator lever is released. By alternately pressing and releasing the applicator lever, fires that have formed glowing embers can be extinguished through short bursts of extinguishing powder. When extinguishing liquid or gas fires, do not interrupt the powder jet!
- Close the cylinder valve after ending the use of the fire extinguisher. Rinse the hose and reduce the container pressure by opening the rinse valve. The device must be refilled, operational readiness must be reinstated without undue delay and the empty nitrogen cylinder must be replaced by a full one.

MAINTENANCE

- Extinguishing systems must be regularly maintained by certified experts.
- All maintenance and filling tasks are to be carried out by your Minimax Service.

TECHNICAL DATA

Model	Extinguishing agent capacity kg	Extinguishing agent	Propellant gas	Test pressure bar	Operating pressure (max. PS) at +60 °C approx. bar	Discharge range approx. m	Temperature function range °C	Performance classes B	Performance classes C	Width approx. mm	Height approx. mm	Length approx. mm	Weight approx. kg
P 250 RC (BC), P 250 RC (BC) Light	250	BC extinguishing powder	Nitrogen	20,2	13	8 - 10	-20 to +60	IV B	✓	800	1200	1200	570

Technical alterations reserved

Model	Chassis	Forklift pockets	Extinguishing agent container*	Propellant gas container	Release	Extinguishing control device	Safety components
P 250 RC (BC)	Container on wheels, 4 casters with directional locks, with deadman brake	yes	Filling nozzle in upper section	Nitrogen cylinder**, content 25 l, filling pressure 200 bar	Manual system activation using the rotary valve	30 m foldable flat hose C32 with powder applicator	Safety valve
P 250 RC (BC) Light	Container on wheels, 2 fixed casters + 2 casters with directional locks, with deadman brake	no	Filling nozzle in upper section	Nitrogen cylinder**, content 25 l, filling pressure 200 bar	Manual system activation using the rotary valve	20 m foldable flat hose C32 with powder applicator	Safety valve

* Pressure container, approved according to Pressure Equipment Directive 2014/68/EU ** approved according to the Directive on transportable pressure equipment 2010/35/EU

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