MINIMAX

MOBILE SERVICES

POWDER FIRE EXTINGUISHING UNITS

PU 50s

PRODUCT

- Fire extinguishing units with ABC dry powder as extinguishing agent are an ideal instrument for fighting initial fire classification A, B and C fires.
- The extinguishing effect is based on the anticatalytic effect where the powder particles interfere and stop the reaction process of the combustion. In case of a glowing burning substance (fire classification A) the formation of a melting layer causes an additional barrier effect, which prevents the oxygen supply. In addition reinflammation is not possible

RANGE OF APPLICATION

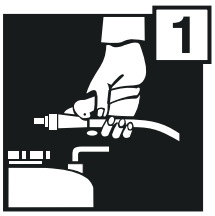
- The extinguishing powder is used wherever different burning substances are expected. It reliably extinguishes fires of solid organic substances as well as fires of liquid substances or substances becoming liquid and gas fires.
- Typical ranges of application are:

  - outside areas, like e.g. building sites
  - large garages, car-parks, multi-storey car parks
  - production buildings
  - warehouses
  - heating systems
  - chemical and petrochemical industry

YOUR ADVANTAGES

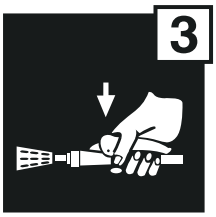
- Quick and high extinguishing agent availability
- The extinguishing agent for gas fires
- Good extinguishing efficiency due to a threedimensional powder cloud
- Extremely strong extinguishing effect due to the anticatalytic effect
- Easy to proportion with an extinguishing jet, which can be stopped at any time
- Good storing properties of the extinguishing medium
- High operating safety
- Easy to maintain
- Easy to handle and move in narrow rooms
- Easy operation
- High-quality material
- Excellent maneuverability for the transport through narrow passages, stairs and other obstacles. Therefore it is possible to extinguish the fire in inaccessible spots.

OPERATION AND FUNCTION



Lay hose without kinks.

Pull out securing pin.
Open cartridge valve.



Aim the pistol at the base of fire and actuate it.

- After opening the nitrogen cylinder valve the propellant flows into the extinguishing medium container via connecting line and gas inlet valve. The extinguishing powder is whirled up and pushed into the extinguishing hose via the powder riser and discharged as a powder cloud when operating the extinguishing pistol. The extinguishing powder flow stops if the pistol lever is released/closed. Glowing fires can also be fought by opening and closing the pistol lever intermittently to produce short powder blasts. Do not interupt the powder flow in case of liquid and gas fires!
- Close nitrogen cylinder valve after extinguishing. The unit must be refilled immediately, made ready for operation and the empty nitrogen cylinder must be replaced by a filled cylinder.

MAINTENANCE

- Fire extinguishing units must be maintained in regular intervals by authorized experts (in Germany) pursuant to DIN 14 406, Part 4, and checked by a qualified person pursuant to TRBS (German Technical Rules for Operational Safety) 1203-2.
- The compressed air units must be checked regularly in according to the regulation 2010/35/EU (TPED) for transportable Gas cylinders.
- All maintenance and filling tasks are to be carried out by your Minimax Service.
- Caution at electric installations! Up to 1,000 Volt only! Keep a minimum distance of 1 m.

Approval

DIN EN 1866-1
DIN EN 1866-2

MED/SeeBG

TECHNICAL DATA

Type	Carriage	Extinguishant container*	Propellant cylinder	Release	Fire fighting device	Safety components
PU 50s	Wheels: rubber wheels, support for extingushing hose with extingushing pistol	Powder filling opening, support for nitrogen cylinder and extinguishing hose	Nitrogen cylinder, approved according to 2010/35/EU, content 3 l, filling pressure 150 bar	Manual release system via rotary valve at the propellant cylinder	5 or 10 m extinguishing hose with extinguishing pistol	Cap with safety valve, gas pipe with inlet valve

* Pressure vessels according to regulation 97/23/EC

Type	Official approval number	Extinguishant agent quantity	Extinguishant agent	Propellant	Pressure of the extinguishant cylinder bar	Max. operating pressure (max. PS) at +60 °C approx. bar	Operating time approx. s	Spraying width approx. m	Temperature range °C	Performance classes* A	B	C	Weight approx. kg
PU 50s	SP 144/10 DIN EN 1866-1 DIN EN 1866-2	50	ABC dry powder	Nitrogen	23	15	60	8	-30 to +60	✓	IV B	✓	92

Dimensions W x H x L: approx. 471 x 1,060 x 610 mm

Subject to technical alterations.

PB03FGe September 2026

Follow Minimax Mobile Services on
LinkedIn, Instagram, Facebook and YouTube.

Minimax Mobile Services GmbH
Export Department
Minimaxstraße 1
D-72574 Bad Urach
Tel.: +49 (0)7125 154-216
Fax: +49 (0)7125 154-166
E-Mail: zentrale@minimax.de
www.minimax-mobile.com
www.facebook.com/MinimaxMobileServices

Nr. S 89412
VdS
Certified acc. to ISO 9001