



Powder fire extinguishing units PU 50s, PF 50s and PS 50s

Safe for certain.

MINIMAX

Product

- ▶ Fire extinguishing units with Euro-Troxin powder as extinguishing agent are an ideal instrument for fighting initial fire classification A, B and C fires. The powder Novo-Troxin and the foam compatible Combi-Troxin are suitable and excellent for fire classification B and C.
- ▶ 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.

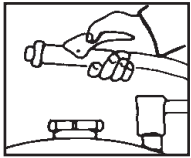
Range of application

- ▶ 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

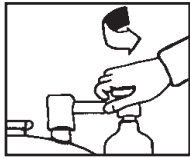
Your advantages

- ▶ Quick and high extinguishing agent availability
- ▶ The extinguishing agent for gas fires
- ▶ Good extinguishing efficiency due to a three-dimensional 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
- ▶ Recognized as safe for people, animals and the environment
- ▶ High operating safety
- ▶ Easy to maintain
- ▶ Easy to handle and move in narrow rooms
- ▶ Easy operation
- ▶ High-quality material

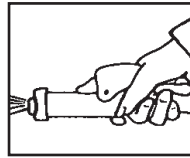
Operation and function



Take extinguishing hose out of the support and lay it out without bends.

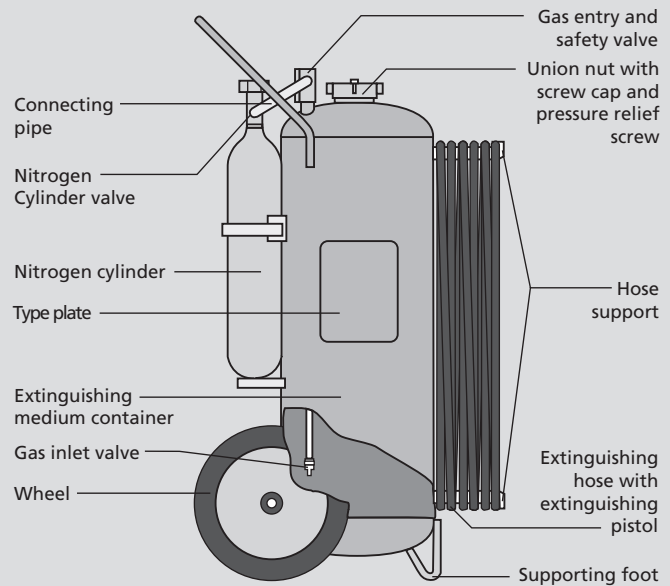


Open nitrogen cylinder valve.



Operate extinguishing pistol.

- ▶ 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 interrupt the powder flow in case of liquid and gas fires!
- ▶ Close nitrogen cylinder valve after extinguishing and let the propellant gas container escape out of the extinguishing medium container via the pressure relief screw. Afterwards 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 and serviced in regular intervals by qualified experts.
- ▶ Caution in case of electrical installations!
PU 50s: only up to 1,000 volt; minimum distance 1 m.
PF 50s and PS 50s: up to 1,000 volt observing a minimum distance of 1 m, for more than 1,000 volt observe DIN VDE 0132.
- ▶ Nitrogen cylinder: content 3 l, filling pressure 150 bar.

Technical data

Type	Carriage	Extinguishant container*	Propellant cylinder	Release	Fire fighting device	Safety components
PU 50s PF 50s PS 50s	Wheels: disk wheels, solid-rubber tyres, supporting foot, support for fire fighting device	Powder filling opening, support for nitrogen cylinder and extinguishing hose, pushing handle, basic handle, supporting handle, linked with the propellant cylinder by a piece and a detachable connecting line	Nitrogen cylinder, approved according to the pressure vessel regulation rules, 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 pressure relief screw for filling opening, union nut with 4 pressure relief grooves, gas inlet with safety valve, gas pipe with inlet valve

* Gas cylinders that are type approved according to regulation 99/36 EG are used as extinguishant cylinders.

Type	Official approval number	Design	Extinguishant agent quantity kg	Extinguishant agent	Propellant	Test pressure of the extinguishant cylinder bar	Max. operating pressure bar	Discharge rate at room temperature approx. kg/s	Spraying width approx. m	Operating time approx. s	Temperature range °C	Weight approx. kg	Fire classifications	LE*
PU 50s	P 3 - 2/83	PG 50 H	50	EURO-TROXIN	Nitrogen	20.8	16	1.00	8	50	- 20 to +60	96	A, B, C	60
PF 50s		P 50 H	50	NOVO-TROXIN	Nitrogen	20.8	16	1.25	8	40	- 20 to +60	96	B, C	48
PS 50s		P 50 H	50	COMBI-TROXIN, foam compatible	Nitrogen	20.8	16	1.25	8	40	- 20 to +60	96	B, C	48

Dimensions W x H x L: approx. 480 x 1,060 x 600 mm *LE according to BGR 133 (formerly ZH 1/201)

Subject to technical alterations.

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