



## Foam fire extinguishing unit WS 50

Safe for certain.

# MINIMAX

### Product

- ▶ Fire extinguishing units with the extinguishing medium Minimaxol are ideal for fighting initial A and B class fires. Minimaxol is a special wet extinguishing system consisting of foaming agents and additives.
- ▶ Fire classification A fires are fought with a combination of cooling and barrier effect: The water lowers the temperature below the inflammation point and during evaporation a melting layer is built up and prevents the fire from flaring up again. The high wetting effect facilitates the entrance of the extinguishing medium burning substance.
- ▶ In fire classification B a sliding film and a foam layer stop the oxygen supply and prevent reignition and the upward of toxic vapours.



### Range of application

- ▶ Minimaxol fire extinguishing units are used where fires of solid organic substances as well as fires of liquid substances or substances becoming liquid have to be extinguished.
- ▶ Minimaxol extinguishes optimally where a sliding, covering and very stable foam is required.
- ▶ Typical ranges of application are:
  - production
  - warehouses
  - public buildings like airports and stations

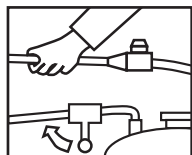
### Your advantages

- ▶ Good extinguishing effect due to a combination of several extinguishing effects
- ▶ Foam water solution with very effective additives
- ▶ Fast and efficient extinguishing agent availability
- ▶ Large throwing range
- ▶ No reignition in case of liquid fires
- ▶ Full visibility during extinguishing process
- ▶ Small extinguishant residues, easy to be removed
- ▶ Easy to operate
- ▶ Easy to proportion.
- ▶ Extinguishing jet can be stopped at anytime
- ▶ High operating safety
- ▶ Easy to maintain
- ▶ High-quality material
- ▶ Recognized as safe for people, animals and the environment

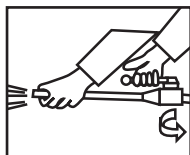
# Operation and function



Open the valve of the propellant cylinder.



Aim foam jet pipe at the fire source, open shutoff valve at the foam jet pipe.

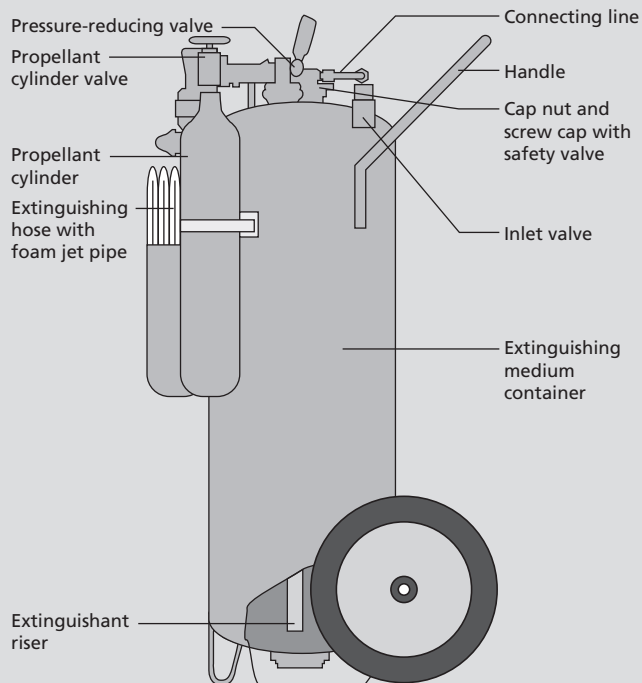


Take the fire fighting device (foam jet pipe) out of the support and lay out hose without bends. Open shut-off valve at the fire fighting device.

▶ After opening the cylinder valve the propellant flows into the extinguishing medium container via connecting line, pressure-reducing valve and inlet valve of the gas supply. The extinguishing liquid is transported into the extinguishing hose via the riser by opening the shut-off valve. Then the foam jet pipe adds air and the extinguishing liquid is discharged. The air sucking openings of the pipe must be open at any time. The flow of the extinguishing agent can be interrupted at any time by using the shut-off valve of the foam jet pipe.

▶ Close propellant cylinder valve after extinguishing and lay down fire extinguishing device onto the handle horizontally. Then leave shutoff valves at the device and at the foam jet pipe open until the remaining propellant has escaped via riser and extinguishing hose with foam jet pipe (forced flushing with propellant).

Afterwards the device must be refilled immediately, made ready for operation and the used compressed-air cylinder must be replaced by a filled cylinder.



## Maintenance

- ▶ Extinguishing units have to be maintained and serviced in regular intervals by authorised experts only.
- ▶ The application in electrical installations is limited to isolated areas only.
- ▶ Compressed-air cylinder: content 3 l, filling pressure 150 bar, approved according to pressure vessel regulation 99/36EC

## Technical data

Type	Official approval number	Type classification	Extinguishing medium	Extinguishing agent	Propellant gas	Test pressure of extinguishing container bar	Operating pressure at -60 °C approx. bar	Foaming rates approx.	Flow rate of extinguishing solution approx. l/min	Foam quantity produced m <sup>3</sup>	Spraying width approx. m	Spraying height approx. m	Temperature operating range °C	Fire classification and rating	Hose design		
			I														
WS 50 f SR	SP-98/93	S 50 H -20	50	Minimaxolf	Compr. air	23	8	8	50	0.4	13	9	- 20 to +60	43 A 45 LE	III B <sup>2)</sup>	Foldable, flat	
WS 50 n SR	SP-98/93	S 50 H -0	50	Minimaxoln	Compr. air	23	8	8	50	0.4	13	9	0 to +60	43 A 50 LE	III B <sup>2)</sup>	Foldable, flat	
WS 50 f <sup>1)</sup> SR	without approval	S 50 H -20	50	Minimaxolf	Compr. air	23	8	8	50	0.4	13	9	- 20 to +60	43 A 45 LE	III B <sup>2)</sup>	Ridged flexible	
Dimensions W x H x L:		approx. 480 x 1.100 x 570 mm															
		<sup>1)</sup> approx. 480 x 1.100 x 650 mm															
Weight, filled:		approx. 99 kg															
Extinguishing medium container approved according to pressure vessel regulation 97/23 EC																	
Determination of fire classification according to BGR 133																	

The right is reserved to modify any specification without prior notice.

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