



## Carbon dioxide extinguishing units C 120 and C 240

Safe for certain.

**MINIMAX**

### Product

- ▶ Fire extinguishing units contain a large amount of extinguishing agents, which facilitate mobile use at the initial fire keeping a safe distance and achieving an optimal extinguishing effect.
- ▶ Fire extinguishing units with carbon dioxide as a natural extinguishing agent are an ideal instrument for fighting B-class fires. The extinguishing effect is based on the suffocation effect of the carbon dioxide, which guarantees completely residue-free extinguishing and which is not electrically conductive.

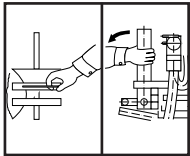
### Range of application

- ▶ The extinguishing gas carbon dioxide is used wherever fires of liquid substances or substances becoming liquid are fought.
- ▶ Typical ranges of application are:
  - electrical and electronic systems
  - production plants, e.g. clean and super clean rooms, laboratories, chemical industry
  - electrical data, control and communication systems
  - areas with special hygienic requirements
  - painting systems
  - sensitive rooms and systems

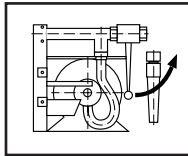
### Your advantages

- ▶ Single or line activation
- ▶ Very high extinguishing efficiency
- ▶ No extinguishing agent residues
- ▶ Fast and high extinguishing agent availability
- ▶ Easy to proportion with an extinguishing jet, which can be stopped at any time
- ▶ High flexibility as mounted on a mobile chassis
- ▶ High operating safety
- ▶ Easy to maintain
- ▶ Environmentally friendly

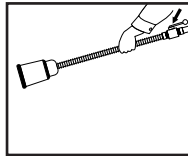
# Operation and function



Pull safety lock, operate central release lever.



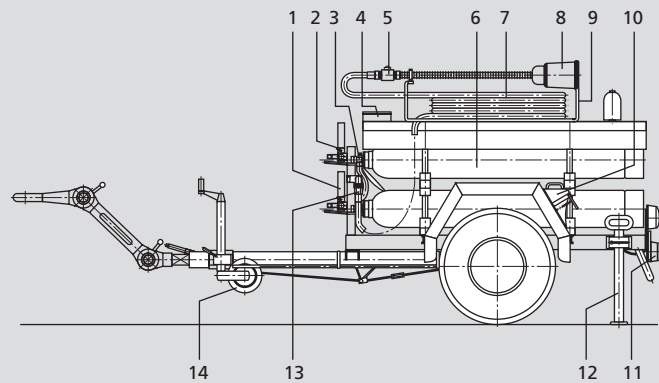
Take fire fighting device (hose with elongation) out of the support, lay out hose/hoses with out bends, open stop valve/valves.



Open stop valve/ valves, aim extinguishing jet at the fire source.

- ▶ When operating the central release lever all quick release valves of the connected gas cylinders will be opened at the same time. The carbon dioxide – still liquid – passes the connecting hose entering the manifold. Now the fire fighting device can be activated with the directional ball valve. The carbon dioxide enters the extinguishing hose and is discharged through the extinguishing rose as a snow gas mixture cloud after opening the stop valve. The extinguishing agent flow can be stopped at any time by using the stop valve.

- ▶ After extinguishing: Close stop valves and quick release valves of the gas cylinders. Then open for pressure release stop valves again for a short time before closing the directional ball valve and stop valves finally and securing the release levers. The gas cylinders must be refilled immediately after use even if it was not completely emptied to guarantee availability.



- 1 Central release lever
- 2 Safety lock
- 3 Quick release valve
- 4 Tool box
- 5 Stop valve
- 6 Gas cylinders
- 7 Extinguishing hose
- 8 Extinguishing rose
- 9 Hose support
- 10 Wheel chock
- 11 Lighting
- 12 Ground sustainer
- 13 Directional ball valve
- 14 Jockey wheel

## Maintenance

- ▶ Fire extinguishing units must be maintained and serviced in regular intervals by qualified experts.
- ▶ Minimax Service takes over all inspection and filling services. Contact your local agent.
- ▶ Suitable for up to 1,000 volt observing a minimum distance of 1 m, for more than 1,000 volt observe DIN VDE 0132.
- ▶ Please observe the characteristics of the extinguishing agent CO<sub>2</sub>. Caution when using CO<sub>2</sub> in narrow rooms that are difficult to ventilate!
- ▶ Liquid fires must be extinguished without interrupting the extinguishing process!

## Technical data

Type	Trailer	Tyres	Trailer supports	Body	Extinguishing medium*	Cylinder design	Release	Fire fighting device
C 120	Single-axle trailer, drawbar (height adjustment), tow-bar (DIN) or ball-type towing device, over-run brake and lighting device according to the German StVZO	185-SR-14, running on pneumatics	2x ground sustainers with stepless variable height adjustment, 1x crank-operated drawbar jockey wheel	Frame for gas cylinders, protection cover for cylinders, transport protection caps for cylinders supports of the fire fighting device, tool box	Equipped with 4x gas cylinders à 30 kg CO <sub>2</sub> ; RAL 3000	Type approved quick release valve, flexible riser, overpressure safety device	Manual system release, centrally and each row at the same time or individually at the valve of the cylinder, connecting hoses with non return valve	10 m high-pressure extinguishing hose, stop valve, extension piece, extinguishing rose
C 240	Single-axle trailer, drawbar (height adjustment), tow-bar (DIN) or ball-type towing device, over-run brake and lighting device according to the German StVZO	185-SR-14, running on pneumatics	2x ground sustainers with stepless variable height adjustment, 1x crank-operated drawbar jockey wheel	Gas cylinder support, protective cover, transport protection caps, supports of the fire fighting device, tool box	Equipped with 8x gas cylinders à 30 kg CO <sub>2</sub> ; RAL 3000	Type approved quick release valve, flexible riser, overpressure safety device	Manual system release, centrally and each row at the same time or individually at the valve of the cylinder, connecting hoses with non return valve	10 m high-pressure extinguishing hose, stop valve, extension piece, extinguishing rose

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

Type	Official approval number	Design	Extinguishant quantity kg	Extinguishant agent	Test overpressure bar	Operating overpressure at +20 °C bar	Discharge rate at room temperature approx. kg/s	Spraying width approx. m	Temperature range °C	Dimensions			Weight approx. kg	Fire classification
										Width approx. mm	Height approx. mm	Length approx. mm		
C 120	P3- 5/73	K 120	120	Carbon dioxide	250	58	1.75	3	- 20 to +60	1,570	1,150	3,600	650	B
C 240	P3- 6/73	K 240	240	Carbon dioxide	250	58	1.75	3	- 20 to +60	1,570	1,400	3,600	1,000	B

\* Per extinguishing rose. \*\* With extended drawbar.

Subject to technical alterations.

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