

## USER INSTRUCTIONS FOR ALKE CATALYTIC HEATERS “Minicat” and “Midicat”

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Dear customer,

Congratulations on choosing an Alke catalytic heater. Please read these instructions before proceeding with the installation to avoid any possibility of an accident. It is essential that the appliance is installed and operated in accordance with these instructions.

The manufacturer, ALKE BV

### Technical specifications:

Minicat	Category: I3B/P, I3P, I3+						Diameter nozzle: 0,45mm	
	P (mbar):	G30 - 30	G30 - 50	G31 - 30	G31 - 37	G31 - 50	G30/G31 – 28/37	
Qn (kW Hs):	0,83	1,10	0,70	0,80	0,92	0,83	G30 = butane	
gr/hr:	60	80	50	57	66	60	G31 = propane	

Midicat	Category: I3B/P, I3P, I3+				Diameter nozzle: 0,55mm		
	P (mbar):	G30 - 30	G30 - 50	G31 - 30	G31 - 37	G31 - 50	G30/G31 – 28/37
Qn (kW Hs):	1,35	1,75	1,20	1,35	1,50	1,35	G30 = butane
gr/hr:	100	125	85	95	110	100	G31 = propane

### 1. General observations

The Alke catalytic heaters are not designed for domestic use. When these instructions mention a catalytic heater this refers to the models Minicat, Midicat and Maxicat. To use catalytic heater you need an approved gas hose and pressure regulator (suitable for the working pressure of the heater and the fitting on your gas bottle)

### 2. Safety in use and a long working life

Alke in producing its heaters uses materials of very high quality and components of renowned manufacturers. Alke therefore guarantees a high level of security and durability. The heater does not need special maintenance.

### 3. Instructions and warnings

- No unit should be installed in a van or craft if fixed ventilation is not supplied
- Check the regulator outlet pressure and the type of gas in your gas bottle for conformity with the heater specifications. Consult to this end the technical information on bottle, regulator and appliance.
- Never use the heater at sub-levels like cellars etc.
- Never use parts of the heater like the gas valve, pressure regulator, gas connection etc. for support.
- Fix hose with hose clamps to both regulator and heater.
- Avoid tension in the gas hose caused by twisting, kinking, stretching etc.
- Keep the heater well away from combustible materials like wooden floors and walls, canvas tarpaulin or similar covers. Retain at least 80 cm of distance for radiating front of the heater and 10cm for all other sides.
- Always fasten loose flaps and covers to avoid contact and subsequent combustion of the tent.
- Never touch, move or clean the heater whilst in use, as skin damage may result.
- Only clean the heater when out of use and completely cooled down.
- Should you smell or hear escaping gas, turn off the gas supply on the cylinder, or isolating valve for the unit and contact your supplier.
- Avoid naked flame or sparks when you smell gas. Immediately provide adequate ventilation to avoid build up of escaping gas.
- Always use the heater according to the local rules and regulations. For questions or advice please address your supplier or gas dealer.

**ATTENTION:** Never use the heater in an area where petrol or other volatile liquids are stored and/or used, or where other combustions may be present.

- Following these instructions and warning incorrectly or partially may result in bodily harm, fire, suffocation and/or damage to property. Therefore keep these instructions for any future reference.

#### 4. Installing the catalytic heater

Installation should be carried out in accordance with the appropriate Codes of Practice for the relevant country. The heater in this box is completely assembled and may be put to use without additional fitting or adjustments. Changes to the heater or replacement of components not prescribed by Alke make all approvals invalid.

#### 5. Using the Alke catalytic heater

When using the heater in a draughty area you may experience a reduction in heat. In order to increase the heat avert the heater from the draft, or turn the front of the heater away from the draft.

When working correctly, the heater front shows a dark red glow. This is only noticeable in a dark surrounding. The heater is defective when yellow flames occur and/or when the flames show in front of the radiating surface.

**Attention:** before use inspect the hose for cracks. When cracked or worn the hose must be replaced before taking the heater into use. Take care that the hose (maximum length 2 meter) is never twisted or under tension.

**Attention:** the safety device on the heater protects against fire and /or bodily harm. When using the heater it must be in a good position and in working condition. Please take extra care when the heater is used near small children.

These catalytic heaters are fitted with a flame failure shut off device (FFD). In the event of the flame being extinguished the gas supply will automatically be cut off the heater pad.

##### 5.1 Igniting the catalytic heater.

- A. Open the bottle valve
- B. Check all gas connections for tightness with a soapy solution (do not use naked flame!). Should a leak be detected read on at chapter 5.4.
- C. (See D for piezo ignition) Ignite a match or cigarette lighter and hold at the opening in the front of the heater. Do not use an electric lighter. Use long matches which will burn for a minimum of 30 seconds.

**Attention:** Hold the flame near the catalytic face, not against!

- D. Push the button of the safety device down – the heater will ignite within 30 seconds. For heaters with a turn down arrangement: turn the knob to high (large flames) before pressing the knob down. When lit a dim red glow will appear. If your heater has an electronic (piezo) ignition device hold button safety device and push the ignition button after app. 20 seconds.
- E. Keep pressing the safety device knob down for another 30 seconds, then release.
- F. Should the heater fail to be lit then close the valve, wait about 3 minutes and resume with C.

##### 5.2 Extinguishing and storing the heater

When you wish to extinguish the heater, close the valve on the gas bottle. For heaters with a temperature control turn to knob to low (small flame) first before closing the bottle valve. You must keep the bottle valve closed until you wish to relight the heater. Whenever the heater is not used for extended period of time it is advisable to store it in its original packing or in a closed plastic bag.

##### 5.3 Changing the gas bottle.

The gas bottle you use is your own choice. However, do observe the remarks under point 1 of the instructions. Before changing the gas bottle ensure that the bottle valve is closed. Disconnect the regulator and if necessary the gas hose. To refit follow the instructions in reverse order.

**Attention:** Changing the gas bottle must always take place in fire and spark free surroundings.

##### 5.4 Possible causes of leakages.

- A. The hose is defect. Refer to point 5 in these instructions.
- B. The hose clamp does not fit gastight.
- C. The regulator is fitted incorrectly.
- D. The heater is defective. Consult your supplier or gas dealer for repair or replacement.

#### 6. Maintenance and service.

The Alke catalytic heater does not require maintenance, thanks to materials and components used. It is however necessary to inspect the heater at least every six months for leakages, cracks, loose parts etc. Also make sure the heater continues to function correctly. Read the instructions under point 5. Whenever a defect in the safety device occurs after the heater has been lit consults your dealer for repair or replacement.