

# Udder Hair Remover - Operating instructions

When the gas bottle valve (5) is opened the gas bottle must be kept in the vertical position at all times (threaded connection at the top). If the gas bottle is used in the non-vertical position liquid gas may escape, which will result in major uncontrollable combustion.

**1. Scope of supply:** 1 Udder hair remover; 1 Cartridge connection (4) with 1.5 m high pressure hose (8) with connection L-3/8", 1 handle with torque lever.

**2. Important notes:** Read the operating instructions carefully and attentively by familiarising yourself with the unit, its risks and handling.

Keep the operating instructions for future reference. Make sure that the gas cartridge is at room temperature when used.

**3. Use:** The Holland Animal Care udder hair remover is intended exclusively for removing hair from the udder of a cow.

The udder hair remover may be used for this purpose only! The Holland Animal Care udder hair remover operates with a so-called cold flame (temperature range 350°C to 450°C).

**4. Assembly:** Before screwing the components together make sure that the seals in the screw connections are in perfect condition.

Connect the high pressure hose (8) to the Cartridge connection (4) and handle (connecting threads for combustible gases are left-hand threads!).

Check that all the screw connections on the unit have been securely tightened. Check that the gas bottle valve (5) is closed. Now screw the cartridge (article no. 15683, not supplied) into the cartridge connection (4). Assembling the cartridge: Assemble the cartridge (Art. no. 15683)

a safe distance from any sources of ignition. Open the gas bottle valve (5) and screw the cartridge into the cartridge connection until gas is heard to escape. Now close the gas bottle valve (5) and screw the cartridge half a turn further into the cartridge connection.

N.B. Only a suitable open-end spanner may be used for assembly. Pipe wrenches damage the hexagon nuts – risk of an accident.

**5. Operation – adjustment of the flame**

a) Slowly open the gas bottle valve (5), turn as far as the stop, then back off half a revolution.

b) Slightly open the gas shutoff valve (1) on the handle by turning anticlockwise.

c) Ignite the flame on the lance (6) by means of a cigarette lighter.

d) Actuate the torque lever (3) and adjust the flame height to 20-25 mm max. by adjusting the gas shutoff valve (1).

e) Now set the height of the pilot light. The torque lever (3) must not be actuated for this purpose! The size of the pilot light is set by means of the regulating valve (2). The regulating valve (2) is always in the open position on delivery. The regulating valve (2) is set by means of a screwdriver so that the pilot light has a height of 2 – 3 cm. The pilot light should not go out when the lance (6) is moved.

f) The gas supply for hair removal is released by actuating the torque lever (3).

g) Where there are brief interruptions in the work close the gas shutoff valve (1) on the handle by turning clockwise. The ignition and working flames are extinguished and the gas supply to the lance (6) remains blocked even when the lever (3) is actuated.

**6. Hair removal:** Before removing the hair make sure that the udder is neither wet nor soiled. To remove the hair the cow must be secured so that it is stationary (e.g. in the feeding rack). To remove the hair stand behind the cow and slide the lance (6) between the hind legs. The distance between the lance and the udder should be 10-20 cm. Now push the torque lever (3) so that the flame reaches the preset height.

During removal of the hair the flame should enclose the udder in the shape of a figure 8. Duration of this movement: approx. 4 seconds. Very important: The flame must remain in motion at all times.

**7. Putting the unit out of operation:** When the work is completed or if you are taking a long break, close the gas bottle valve (5), and the flame is slowly extinguished. This does not alter the setting of the working flame and the hose is pressure relieved. Then close the gas shutoff valve (1) on the handle by turning clockwise. Do not alter the settings of the regulating valve (2) if the height of the pilot light was correct.

**8. Aftercare of the udder:** Once the hair has been removed the udder should be treated with a moisture dispensing care product because moisture is removed from the udder tissue by the treatment.

**9. Warranty:** A warranty is granted for 1 year from the date of purchase covering all manufacturing and material defects. This warranty does not include spare parts and repairs which are attributable to normal wear and tear or improper use (see operating instructions). This warranty also excludes damage as a result of use of the equipment with non-original manufacturer's spare parts. Never dismantle a unit or try to remove defects on the unit yourself. Repairs may only be carried out by the manufacturer or authorised repair workshops.

**10. Safety instructions:** Never smoke during operation of the unit. Never place the unit close to flammable materials. Only use the unit in a well ventilated place. Before any use examine the hose, seals and screw connections for any defects and leakages. For this purpose use a leak detector. Under no circumstances use the unit with damaged or worn seals or hose. Do not use the unit if it is leaking, is damaged or does not generate the power required for removing the hair. In the case of a leak (smell of gas), close the gas bottle valve on the gas bottle and immediately bring the unit out into the open air (well ventilated area without possible sources of ignition). When the unit is ignited never release the unit. When the unit is ignited never place the unit on the floor or lose sight of it. Store the unit in a clean, dark, dry place. Examine and if necessary clean the gas outlet ports (7) on the lance (6), where no contaminants must accumulate.

**Permitted gas:** This unit may only be used with Holland Animal Care- gas cartridge artikel code UIER00007 (propane / butane).

The gas consumption is between 0 and 0.66 kg/h. (at 3 bars).

N.B.

Parts of the lance may become very hot. Keep away from children. Avoid kinking the hose. Maximum permissible length of the hose = 2 m. The gas bottle valve (5) must be closed before the cartridge is unscrewed. The cartridge may only be changed in a well ventilated area (if possible outside), a safe distance from sources of ignition and other people.

Holland Animal Care accepts no liability if the unit is not operated according to these operating instructions.

