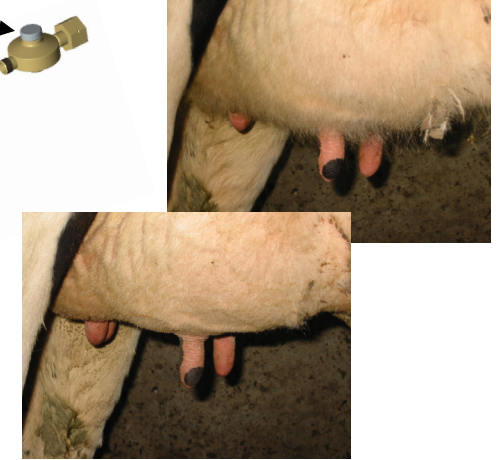




Udder Hair Removal From Dairy Spares Ltd

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US05 Udder Hair Remover for use with Propane Gas Cylinder

The Dairy Spares udder hair remover offers a quick and painless way to remove unwanted udder hair. This helps prevent manure, dirt and bacteria from accumulating on the udder, that may cause mastitis and Johne's Disease in calves.

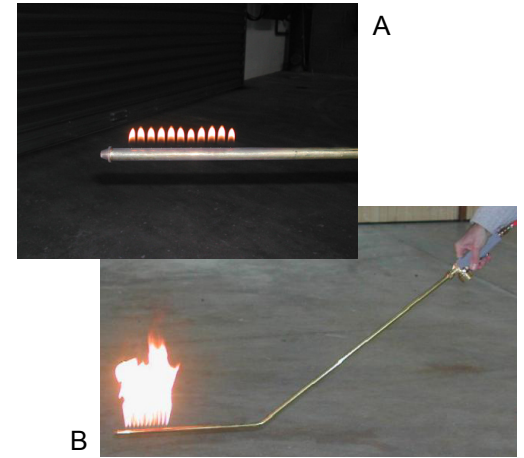
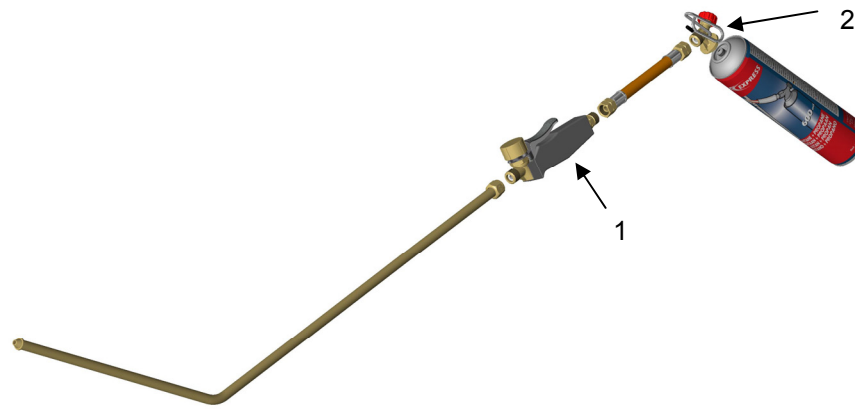
The Udder Hair Remover works with a cool wave flame, which used in a continuous figure of 8 movement, removes excess hair from the udder without causing pain to the cow. Without hair the udder is less likely to retain dirt and bacteria, which dramatically reduces pre milking preparation time, helps reduce bacteria around the udder and raise milk quality.

The "cool" flame produced by the Dairy Spares udder hair remover is generated by burning propane with reduced aeration. This provides a controlled flame reaching about 300° C, which in comparison to the 1000° C and above produced by a gas burner, allows the cow to perceive the hair removal process as a pleasantly warm procedure that takes only 2-4 seconds.

Dried on dirt sticking to udder hair is not easily removed, even when using water or udder wipes. The "cool" flame leaves the udder clinically clean and destroys bacteria situated in the dirt accumulated on the udder, improving udder hygiene, considerably reducing the risk of mastitis and promoting improved milk standards.

The Udder Hair Remover comes complete with adjustable propane regulator and gauge, 3meters of high pressure gas tubing, flow control hand valve and angled lance to make flame clipping while staying at the back of the cow.





**US06 Udder Hair Remover
for use with portable canister (US07)**

Assembly:

Follow the assembly instructions that accompany udder hair remover, check that the gas cylinder or canister is used only in the upright position. Prior to commencing operation the burner holes should be cleaned and the system should be thoroughly checked for leaks .

Regulating the flame:

Turn off (clockwise) the flow control hand valve (1) before opening the cylinder/canister valve (2). Open the flow control hand valve (1) and light the gas that should be escaping through the burner holes. Fully open the flow control hand valve (1) and adjust the regulator valve (3) to obtain a flame of 20 - 30cm (B). Close down the flow control hand valve (1) reducing the flame to a height of 2 - 3cm (A); ensuring that with a quick movement of the lance the flame is not extinguished.

Hair removal process:

Should take place where it is well ventilated away from any combustible materials, where it is sheltered from wind and rain. The animal should be tethered securely, ideally in a crush where there is an area behind the cow for operator to move about safely. Ensure that the udder is clean and dry.

Approach the cow from behind, place the lance burner between the rear legs, approximately 10 - 20cm beneath the udder. Depress the flow control hand valve lever (1) bringing the flame to its removal height. Whilst maintaining the lance burner at the same height beneath the udder move the flame around the udder in a figure of 8 movement, keeping the flame moving at all times for a period of approximately 2 - 3 seconds. Once complete release the flow control hand valve lever (1) to reduce the flame and withdraw the lance from beneath the cow. Never leave a lit burner unattended or put it down on the floor.

Once the hair removal process is complete turn off the cylinder/canister valve (2), wait for the flame to extinguish before turn off (clockwise) the flow control hand valve (1). Do not adjust the regulator valve (3) if you were satisfied with the removal flame operation. As some parts become hot during operation allow sufficient time for these parts to cool before handling or storage. Keep away from children at all times.

After Care:

Following removal of the udder hair Dairy Spares recommended the use of Coopers* Dairy Ointment.

It is important to read the full safety and operation instructions that accompany the product prior to use.



It is important to read the manufacturers instructions supplied with the equipment prior to use.

The udder hair remover uses a smooth cool flame to painlessly remove excess by sweeping the flame in a figure of eight movement.

Safety Notes:

- Propane gas is highly flammable and is stored in cylinders as a liquid, under high pressure, 7 bar (100psi).
- Use the appliance in a well ventilated draft free area, away from any combustible material.
- Ensure that the gas cylinder is upright when in use.
- Unburnt gas has a distinctive odour. A naked flame should never be used to search for a leak. To check there are no leaks when connecting the regulator to the cylinder or at any other connection. A soap or detergent solution applied to the connection will cause bubbles to occur if there is a leak present.
- Propane and butane attack natural rubber, ensure only approved high pressure hose is used.
- High pressure hoses should be secured to approved nozzles using a worm drive hose clip or by using complete hose assemblies.
- All hoses and O-rings should be regularly examined and replace at the first sign of damage or deterioration.
- Never allow the flames to come into contact with the supply hose or cylinder, or touch the hose when the lance is still hot.
- A lit udder hair remover should never be laid down or left unattended.
- In bright conditions the flame may be difficult to see.
- Store the appliance in a dry clean area

Action in the event of an emergency:

- Turn off the supply at the gas cylinder.
- If possible remove the gas cylinder from the area.
- If fire has started, evacuate the area and call the Fire Brigade IMMEDIATELY.