



## Step 1: Preparation

Assemble the SELEKT Pump-Drencher by attaching the hose of the drencher to the top coupling of the pump, with the white washer in place on the hose.

Fill a SELEKT bucket with 20 litres of warm water and stir in one sachet of the appropriate formula. If a cow requires 40 litres, prepare a second bucket of 20 litres or re-use the first one. Draw the hose through the gag so that the blue tip lies against the end of the gag (as shown in the picture above). Open the nose tong.

## Step 2: Insert the gag into the cow's mouth

Standing on the right-hand side of the cow, pass your left hand over her nose. Open her mouth and insert the gag (as shown in the picture here). Close the nose tong to secure it.



## Step 3: Pass the hose down the oesophagus and into the rumen

Turn the cow's head slightly to the right and pass the hose slowly through the gag. Passing it slowly allows the cow to swallow the tip of the hose. Continue to pass the hose through the gag until 1-1.5 metres of hose remains outside the cow.

## Step 4: Fix the hose in the gag

Fix the hose in position in the gag by turning the blue lock at the end of the gag until it tightens.

## Step 5: Check that the hose is in the oesophagus

Palpate the underside of the cow's neck on her left-hand side. If the tube is in the oesophagus, you should feel two firm tubes: the trachea and the oesophagus above it, which will feel firm only if the hose is inside it. If you are not sure that you can feel two firm tubes, do not use the pump. Turn the blue lever to release the hose, withdraw it through the gag and start again at Step 3.

## Step 6: Pump-drenching

Once you have felt the firm oesophagus with the hose inside it, you can start pumping. Using steady, even strokes, pump the fluid into the rumen.

## Step 7: Remove the gag

When all the fluid has been delivered, loosen the blue lever and draw the hose back through the gag. It is important to do this otherwise the cow can chew and distort the hose. Release the nose tong and remove the gag from the cow's mouth.

## Step 8: Hygiene

Wash the equipment with warm soapy water, no hotter than 50°C. Then disinfect it with 10% formalin. A 10% solution of bleach is an alternative to formalin, but it may cause some corrosion. Dairy hypochlorite should not be used.

