

## Pasture Pumps



### Benefits

- Recommended for cattle, calves and horses
- Water output of 1/2 litre per pump
- With high-quality membrane for suction depths of up to 7 m
- One pump waters 15 -20 cattle or horses
- Pump never needs to be oiled or greased.
- Operating lever made of high-quality cast iron, plastic coated
- Bowl made of sturdy UV-resistant polyethylene

### What is a Pasture Pump?

A pasture pump is comprised of a water bowl fitted with a lever-operated diaphragm pump which is pushed by the cow's nose as it presses forward to drink. The smooth-running membrane pasture pump means that the animals can quickly learn how to operate the pump. The animals extract water independently from existing wells or surface water, and thus have a constant supply of fresh water. The pasture pump is positioned in the field and secured to a firm base such as a railway sleeper or concrete block. It is very easy to install and relatively cheap in relation to the installation of mains water pipes.

A pasture pump will supply one animal with water on demand for the amount of time the animal is operating the pump.

### What is required for a pasture pump?

- Minimal suction head - the height of the pump and drinker above the watercourse lowest level. The maximum suction that the pump can be operated at limits the distance and height from the water the pump can be placed.
- Site selection - the pasture pump must be placed far enough away from the water source so that it does not pose a risk of water contamination. The pump must be placed in a lower risk location but close enough to the water source so that the pump works effectively.
- An overground pipe, connecting abstraction chamber and pump inlet; a dirt screen and non return valve, fitted in the abstraction chamber. These all should be removable for cleaning and maintenance.

## What to consider

- How many livestock and amount of water required?
- How many pasture pumps are required for number of livestock?
- Is the distance and height sufficient to operate the pump?

## Calf Drinkers

A modified pasture pump is available which has a small side bowl for calves. The bowl is too small for larger cattle, so the calf can happily drink with its mother.



## Typical Applications

- Watering livestock in remote locations
- Alternative watering to reduce poaching of water courses
- Used in locations where electricity is not available
- Used in temporary locations or where watering has to be moved

