

The advantages of the P100 at a glance

Extremely smooth operation

The P100 pasture pump has been optimised down to the tiniest detail to ensure exceptionally smooth operation:

- Just two bearing points, designed as slide bearings, on the lever ensure minimum friction and simultaneously reduce wear.
- Lightweight aluminium lever.
- Diaphragm with low internal resistance made from rubber.
- Optimum leverage.

The pasture pump is therefore not only suitable for large cattle, but also for horses, foals and calves.

Long service and durability

Solid cast iron parts make the pasture pump extremely sturdy and stable. High-quality materials and surfaces offer the best possible protection against the influence of weather.

Minimum effort required for setup and maintenance

The P100 pasture pump is already fully assembled, which means it can be set up quickly and easily.

Even the amount of maintenance required is kept to a minimum, thanks to the high-quality materials, carefully thought-out design and reduced number of parts.

Pipe and hose connections

The water connection (depending on the design, is fitted with either 3/4" or 1" thread) is suitable for both suction hoses and pipes. The suction hose, which is available as an optional accessory, can be used for both designs.

Tip

Warm up the suction hose in warm water before fitting - this will allow it to be attached easily to the hose connection. Always secure the hose at the connection point using a hose clip.

P100 pasture pump

Art. No.	Description
221100	P100 pasture pump, connection with 3/4" thread
221120	P100 pasture pump, connection with 1" thread

Accessories and spare parts

Art. No.	Description
221117	Suction strainer including NRV & hose connection
221118	Suction hose, suitable for 221100 and 221120 internal diameter: 28 mm, external diameter: 39 mm 25m reel
221102	Diaphragm

As well as the diaphragm, all fitted parts are also available as spare parts.



221100 / 221120



221117



221118

Your retailer

P100 pasture pump

Easy to operate and robust



PR150_EN



Independent water supply for grazing livestock

Pasture pumps offer a simple and inexpensive solution for providing water to your grazing livestock.

If you do not have any means of installing electricity and high-pressure water lines on your pasture, but at the same time do not wish to use a mobile water tank or buckets, pasture pumps are the ideal alternative.

With the P100 pasture pump, 15 to 20 grazing animals can easily help themselves to fresh drinking water obtained from wells, streams or ground-water supplies, for example. The animals learn intuitively how to operate the pump.

Your horses or cattle therefore have a constant supply of fresh water in the best hygienic conditions - so the contamination of stored water can be consigned to the past.

As well as its proven properties, our P100 pasture pump also offers other advantages:

- Extremely easy operation (even for foals and calves)
- Extreme resilience
- Double-stroke function for continuous flow of water
- Minimum maintenance
- Ideal for pipe and hose lines



How it works

The animal pushes the lever forward with its head. The tie rod lifts the diaphragm and draws water into the diaphragm chamber.

Gravity and the tension in the diaphragm push the lever backwards again. The water is forced out of the diaphragm chamber and flows into the drinking trough. The non-return valves ensure that the water is always drawn up and pumped in the right direction.

Some of the pumped water remains on the upper side of the diaphragm and flows into the drinking trough as soon as the diaphragm is reactivated during the next cycle, i.e. when the animal presses the lever again (double-stroke function).

Technical data

Pumping capacity	max. 0.6 litres per full stroke (depending on pumping distance)
Max. head of water	8 metres
Weight	25 kg
Connection	¾" thread (221100) or 1" thread (221120) The suction hose fits both sizes
Surface and material	Drinking trough: cast iron, black, powder-coated Pillar: cast iron, powder-coated RAL 6010 Pump lever: aluminium, powder-coated RAL 6010 Diaphragm: high-quality rubber Hose connection: brass Nuts and bolts: stainless steel Slide bearings: high-performance polyamide

