



AQUAMAT II PASTURE PUMP SPECIFICATION SHEET

FEATURES

- > Ideal for livestock and horses
- > Protects river banks and water courses
- > The diaphragm pump supplies constant fresh clean water on demand from its natural source
- > Low cost solution for those without mains water or in catchment sensitive areas
- > Tough polypropylene trough and steel mechanism, rust and UV resistant
- > Smooth pump action, easily operated by cattle, horses and calves
- > Provides 7 metres vertical lift or 70 metres horizontal lift
- > Dispenses 0.5l with each pump lever action
- > Suited to strip grazing or temporary paddocks
- > Livestock learn almost immediately how to pump
- > Minimal moving parts, reduces risk of any failures
- > Quick installation time, approx. 20 mins
- > Can supply 15-20 head of cattle
- > Size: 775mm (L) x 320mm (W) x 383 (H)
- > Lightweight and easy to relocate at just 11.4kg
- > Trough Capacity 1 litre
- > No power required

(Maximum lift: 23 vertical feet. For each unused foot of vertical lift, the pump can pull 10 feet horizontally. For example, if 10 foot of vertical lift is needed, then the AQUAMAT would be able to pull an additional 13 times 10 or 130 feet horizontally.)

Complete kit consists of:

- 1 x Aquamat Nose Pump Mk II
- 1 x Filter basket
- 1 x 7m reinforced flexible hose

*Protective fencing and sleeper stand or similar required.
Then all you need is the watercourse.*



The Aquamat allows cattle and other livestock to be completely fenced away from streams, ponds and springs for TOTAL EXCLUSION from the water source. The Aquamat is ideally suited for projects involving livestock fencing for restoration and re-vegetation or catchment sensitive areas.

Livestock are provided cleaner water, and in many cases, fencing livestock away from streams allows for improved livestock management. The Aquamat is also ideal in situations in which it is desirable to fence cattle out of a water source as a pond spring.

This pump type is a nose pump operated by cattle. As the animals drink from the pump bowl, they push against a lever, which in turn operated a piston and diaphragm pumps more water from the stream. Positioned in the field by the watercourse, then fixed to a base such as sleepers.



Catchment Sensitive Farming

Aquamat delivers a practical solution to enable farmers and land managers to take voluntary action to reduce diffuse water pollution from agriculture to protect water bodies and the environment.

ARE YOU IN A PRIORITY CATCHMENT?

Capital Grant Scheme

Are you eligible?

The Capital Grant Scheme is available in 79 priority catchments and is targeted at holdings within specific areas of these catchments.

For more information log on to: <http://www.naturalengland.org.uk/ourwork/farming/csf/default.aspx>

Frequently Asked Questions

Q: How long does it take livestock to learn to use Aquamat nose pumps?

A: It takes about 5 minutes!

Q: Once I install a pump on a platform and connect the hose and foot valve, how do I get the pump started?

A: The Aquamat is self priming. Just submerge the foot valve in your water source so that it is weighed down, but above the bottom slit - we suggest tying the foot valves to the top of a concrete block, and because this foot valve is spring loaded, it can be placed in the water source at any angle. Work the pump lever with your hand until water is brought up into the drinking bowl. You need to leave the pumps with several strokes of water in the drinking bowl to act as "bait" to attract thirsty animals. After the first animal finishes drinking, the last back stroke of the pump lever brings more "bait" water into the bowl to attract the next animal. Thus, there is always some "bait" water left in the drinking bowl.

Q: What is the estimated life of the rubber pump diaphragm?

A: The factory estimate is two to five years, depending upon how many cattle use the pumps.

Q: Are the nose pumps frost proof?

A: NO. Nose pumps are designed to provide water for spring through to autumn. Nose pumps can be damaged if an animal attempts to get water from a frozen pump.

Q: Can the pumps be left out over the winter?

A: Yes, but we do not recommend it. We recommend that through the winter, the pump and hose be brought

in under cover and drained of water.

Q: How long does it take pigs to learn to use the Aquamat?

A: Two seconds!

Q: Can the Aquamat be used by sheep and goats?

A: No.

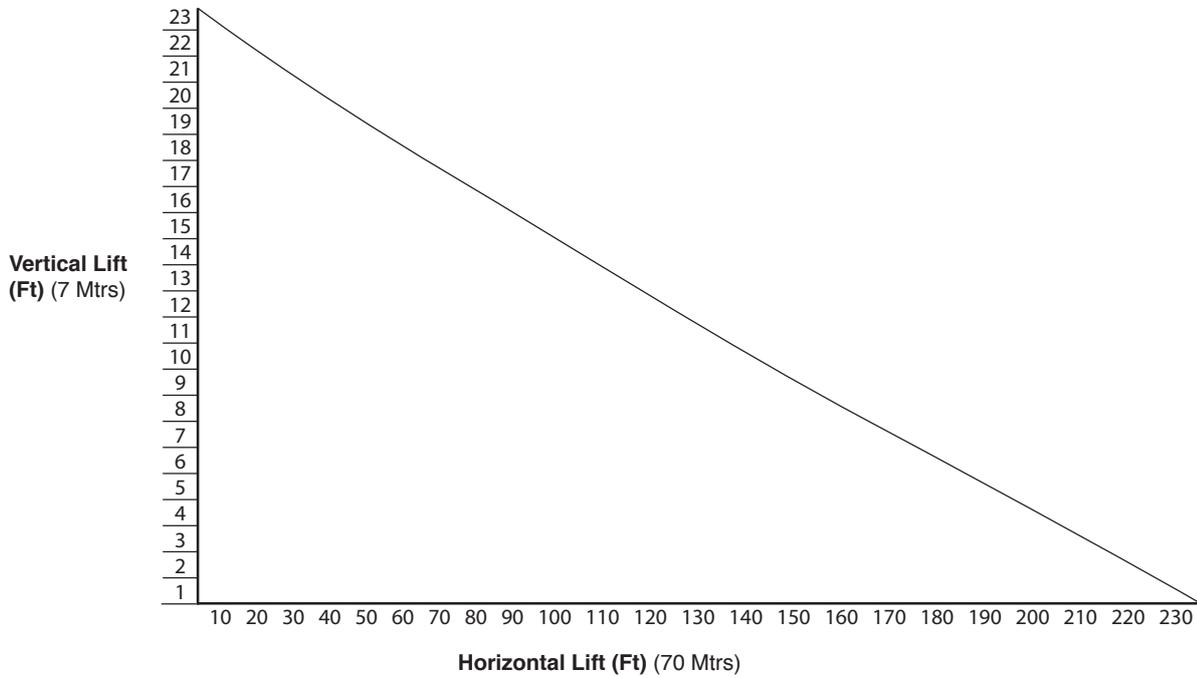
Q: Is there any laws regarding the extraction of water for livestock?

A: Consult your local environmental agency about licences and CAMS (Catchment Abstraction Management).





Graph the lift of the pump:



Rough insallation drawings

- A: Traditional water source extraction
- B: Using underground water source

