



Water Treadmill for Sports Horses

High-level Performance and Service



Aqua-Line

by ACTIVO -MED

- Leading technology
- "State of the Art" design
- Optimal price/performance ratio
- Practicable handling
- Safe for horse and trainer
- User-friendly to operate
- Robust construction
- Maintenance-friendly design
- Best competence in consulting
- Professional education and training

Your team for a successful project:



ACTIVO -MED

We brought the development and design of this unique system to the marketplace from conception. All project management on planning and installation of the system is supported through our highly skilled team. We offer a complete package and work together with the clients especially when running the system after installation.



Rehateam Baumann

Dr. Matthias Baumann is the most experienced veterinarian horse specialist in Europe, working on horses with aqua training. As a professional rider too (Olympic gold medallist) he has extensive experience (more than 15 years) on this specific way of training. He is our exclusive consultant for all questions in planning a rehabilitation or training centre as well as running the training and introduction sessions. His professional service is provided to our clients at any time.



Wolff & Beerbaum Waterfiltrationsystems

The complete water management system with all filtration and recycling of the water, is served through a team of specialists. They support and answer all questions on individual concepts for the water management system of the water treadmill. They guarantee a perfect and effective environment for running the system.



HorsePro

All manufactured to the latest quality standards of DIN ISO 9001 is provided through the HorsePro team on all the electric and mechanical devices. The company specialises in manufacturing stainless steel products.



Water Treadmill for Sports Horses

The Design

Equine time swimming pools have been used as part of the rehabilitation and training of sports horses for a long time. Whilst there are many benefits to swimming horses there are some downsides too, for example, swimming does not contribute to their conventional way of moving plus the heart and blood circulation could be 'treated' too much without being recognised by the trainer.



Water treadmill as a portable system

Modern water treadmills offer plenty of advantages over the equine swimming pool such as:

- They train the horse to move in a natural and gently way.
- The container, in which a treadmill is integrated, can be built up on the ground and does not require as much space as a swimming pool.
- The maintenance is much easier, cheaper and more ecological because the water does not need to be disinfected by chemical products like chlorine.

Aqua Training



Movement in the water is well proven to be good in the training of horse's muscles and improving condition. Gravity does not exist in the water and therefore the full weight of the horse impacts less on the muscles and joints during training sessions. Water creates a gentle resistance that helps to strengthen the horse's body. By quicker movement the resistance grows and increases training and enforcing effects in a natural way. At the same time the water has a cooling effect for muscles, tendons, ligaments and joints providing a gentle massage to injured areas.

The Design



Installation in a pit

The water treadmill can be installed fixed to the ground or down under ground level to suit your building requirements.



Installation fixed to the ground



Water Treadmill for Sports Horses

The Basic System

Either installed fixed to the ground or under ground level, the water treadmill takes up a relatively small amount of space *and* it is portable. You want to move it to another place? No problem, you simply disconnect the water technology and load up the system for transport. That means real flexibility.

The basic system comes with electric and electronic devices to operate the machine directly from the user walkway by the horse. All modules are preinstalled to guarantee a quick installation.

The modular design of the system can be individually configured and adjusted to your special requirements in order to optimise your daily work with the horses.



Installation at a rehab centre, Schabelhof, Dr Roeckl

The robust stainless steel construction (V2A Quality) is manufactured to ISO 9001 standards. Everything is made of stainless steel!

Latest security standards guarantee a minimum risk of injuries. The simple to use but efficient technology helps you in every situation in training the horse.

Compact design and low operational costs have a positive influence on your return of investment after a moderate time frame together with less maintenance and no essential use of special skilled people for any maintenance.

Integrated treadmill

To become familiar with the system the horse's first training takes place on the dry belt. After the introduction phase the horse will train at it's natural walk and trot simply by adjusting the belt speed.



The belt

Main user panel

All functions are easy to operate through the main control panel, guaranteed for safe training sessions.



The control panel

Comfortable step in and out

The entry and exit doors are specially designed with big rubber protectors enabling the horse to have a safe training session. There is just one handle to enable easy opening and closing of the doors.



Rubber protectors at entry door



Water Treadmill for Sports Horses

New Standards in Quality and Functionality

Configuration and dimensions

The system is 4.20 m in length. From the treadmill level the width is 96 cm with plain sidewalls down to the treadmill. The height of the sidewalls from treadmill level is 1.60 m. These are the optimal dimensions for the treadmill.

The entry and exit doors provide a comfortable step-in and step-out for the horse. The doors are simple to open and close using our unique one-hand opening and closing mechanism. Big rubber protectors give additional protection to the horse inside.

We do not use bars or straps at the front or back of the horse. The horse can walk and trot free of any handicap inside the treadmill.

The user walkway and the central control panel overlooking the system ensure safe handling of the horse at any time.

Maintenance

Routine maintenance is no problem! All relevant parts of the machine are within easy reach for checking. The short maintenance guidance shows you in a few steps how to work on the system. There is minimal maintenance required - less than 3 times a year. Routine maintenance is provided upon request.

The daily work

The variable speed of up to 18 Km/h and the adjustable water level through the powerful water pump system gives you a huge choice of individual training schedules for any horse working the different muscle groups.

The user holds and guides the horse by its head, as if they were leading it as normal. The lowered front part of the treadmill allows the horse to feel safe and secure in its surroundings. The visual capture of all movements and noises is important for the horse to feel comfortable and stress free during the training session.

The movement of all muscle areas is visible at all times from the users position on the user walkway.

The additional water cleaning system cleans the water straight away during the training session. That means really clean water for the horse without using any chemicals. The filtration system is expandable at any time to provide complete water recycling using the same water for a longer time.

Important details



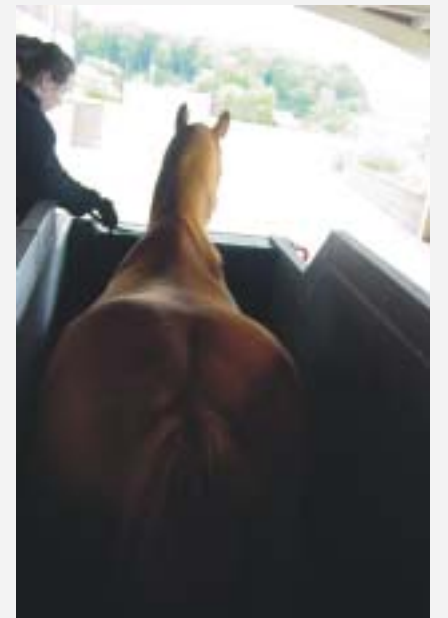
Inviting entry



Lowered front part



Door opener



Horse in walk in the water treadmill



Pump system



Filtration system



Water Treadmill for Sports Horses

Technical Details

Construction

- Construction: complete stainless steel (V2A quality).
- Integrated treadmill with variable speed control, adjustable from 1 to 18 km/h (motor output 7.5 kW).
- Special user-friendly ground table belt construction, completely removable for maintenance and service.
- Change of rubber belt from sidewall.
- Central user panel for all functions positioned on the user walkway.
- Fast pipe connector 3".
- Iron made user walkway - stairs at front and back.
- Door at front and back with rubber padding.
- Additional cleaning clubs under the ground table of rubber belt.
- Lowered front part.
- Mains electric power box.

Add-on modules

- Powerful pump station of 60m³ capacity each.
- Waste filtration system.
- Circulation filtration with self-backwashing cleaning system.
- Water tanks (battery tanks expandable per 4000L).
- Water recycling system - active coal with UV disinfection.
- Massage/whirlpool function with 4 x 4 air jet nozzles.
- Spa/whirlpool function.

Installation requirements

- Minimum space of 10m in length, 5m in width and 3.8m in height on installation down under ground level.
- Mains electric power supply on 32A, 380 V/5 phase.

Installation service

- Full installation package when required.
- Skilled persons at place of installation.
- Trainee programs with Dr Matthias Baumann.
- Architectural support with drawings (CAD based).



Installation



User control panel



Cleaning claps



System lowered in pit



Rubber padding



Filter box



Ramps

