

# K9 PHYSIO 1611

AQUATIC TREADMILL AND CHILL SPA





# HydroCo – Animal Health

Over the past decade HydroCo have become internationally recognised as a leader in the design and development of innovative hydrotherapy systems for sport, wellness and rehabilitation. We now extend our offering to include animal health products with initial focus on the wellbeing of Canine.

## Overview

**K9 PHYSIO 1611** is a unique, complete aquatic Canine centre. Its design is the result of extensive research, development and investigation into existing aquatic Canine systems used by physiotherapists and veterinarians internationally, making it the most innovative of it's kind.

**K9 PHYSIO 1611** is an above-ground, robust yet compact system designed for long-term reliable -operation. Its smooth surfaces and user friendly controls, provide a safe working environment for the operator and animal.

Clear wall panels surround the treadmill to provide a spacious, bright and open environment for Canine comfort, and allows the operator to monitor activity of the Canine during exercise.

The Canine is led into the treadmill through the wide access door, the door is then closed and at the press of a button the treadmill is filled within minutes. The water is supplied from the storage tank where it is filtered, heated and treated.



The water storage tank holds approximately 2,500 litres (660 gallons) and is temperature controlled. The treadmill can be activated at any time during the fill process and the water level may be adjusted at any time throughout the program.

After each session, the water is transferred back into the storage tank where it is filtered and maintained at all times. At the same time, approximately 50 litres of the water is automatically replaced with fresh water, ensuring optimum water quality for subsequent use.

Units can be supplied with multiple storage tanks, each with varying water temperatures.

## Water Conditioning, Rehabilitating and Strengthening

**K9 PHYSIO 1611** utilizes the natural properties of water – buoyancy, resistance and temperature. Aquatic exercise is practiced extensively to assist Canine achieve peak performance or rehabilitating an injury, **K9 PHYSIO 1611** provides an innovative and advanced approach for this type of exercise. The internal area of the treadmill pool is spacious enough for even the largest of Canine as well as accommodating an operator as required.

**K9 PHYSIO 1611** incorporates a high performance variable speed treadmill with a speed range up to 15kph (9.3mph). The treadmill drive assembly is a high torque, robust system that is smooth running throughout speed range. Stainless steel treadmill belt rollers with unique HydroCo designed Sealed bearing assemblies ensure reliable long-life operation and low maintenance.

Another unique feature is the shock absorbing treadmill deck - providing a low impact. Surface for Canine exercise, and unlike many aquatic treadmills the **K9 PHYSIO 1611** may be operated WET or DRY.

Either side of the treadmill belt is a standing platform for the operator to stand on.

There is also an optional removable standing platform for the Canine's front legs for when specific focus is required exercising the hind legs. An optional removable seating bench for the operator is also available for when assisting small canines during activity.

**K9 PHYSIO 1611** enables a maximum water depth of around 900mm (35.4 inches). Deep water provides buoyancy and therefore reduces the load on painful or healing structures creating a 'low impact' exercise environment as required during rehabilitation or conditioning.

There is a reduction of friction between articulating joints when exercising in deep water – exercising in the **K9 PHYSIO 1611** provides a safer environment than in a swimming pool as water depth, exercise speed and intensity are all precisely controlled to ensure that soft tissue, tendons, muscles and ligaments are exercised as on land but without the high impact.

The hydrostatic pressure generated by water assists blood flow and reduces swelling. An injured canine may return to exercise much quicker in water than on land resulting in reduced recovery time.



## Chill Spa - Inflammation

**K9 PHYSIO 1611** also offers a CHILL SPA pack (optional) enables the use of chilled water during treadmill or spa activity. In addition to the main water storage tank that maintains warm water temperature – up to 38° Celsius (100.4° F) an additional water storage tank is provided. This secondary storage tank holds chilled water maintained at temperatures as low as 2° Celsius (35.6° F). In addition, Hydro-Jets and Hi-Flow Resistance Jets may be strategically located within the pool creating water current – mixed water & air.

Extensive research shows the positive impact of combining chilled salt water with water agitation created by water/air jets. Chilled salt water treatment can be used for many lower leg injuries by primarily reducing inflammation and removing fluid build-up (this build-up causes painful swelling around the injury). The hydrostatic pressure assists with blood circulation around the injury and swelling reduction.

The regular use of chilled salt water therapy immediately following exercise, reduces many of the stresses within tissue well before inflammation develops.

## Deep Water Advantages

- Buoyancy reduces weight bearing by up to 90%
- Low impact on limbs, joints and muscles
- Joint decompression
- Allows exercise to continue while recovering from injury or surgery
- Prevention of muscle atrophy
- Allows muscle growth while protecting painful or healing structures
- Hydrostatic pressure assists blood flow and reduces swelling
- Assists with soft tissue mobilization
- Reduces friction between articulating joints reduction of pain.



# Features and Benefits

## K9 PHYSIO Benefits Custom Design

- \* Prevents muscle atrophy
- Builds muscle strength
- Shortens recovery time
- Accelerated conditioning
- \* Increases joint range of motion
- Promotes correct posture and a balanced gait
- Improves cardiovascular fitness
- Improved performance
- Minimises performance injuries
- Reduces swelling.

In order to meet our customers needs, HydroCo provide a custom design service.

In addition to above ground treadmill/spa we are able to supply high performance hydrotherapy thermal contrasting showering systems, in-ground treadmills, pools and a variety of complimentary canine wellness equipment.



Spacious – K9 & operator on Treadmill

## ThoroughTREAD Aqua Features

- Electronic control display panel with speed, time, distance, temperature and water transfer
- Touch Screen control monitor with PC - data base and patient information recording - OPTIONAL
- High torque, smooth variable speed treadmill drive up to 15kph (9mph)
- Stainless steel belt rollers/sealed external drive roller bearing assembly
- Water transfer system - stainless steel pumps and marine grade valves
- Clear toughened glass surround viewing panels
- Easy-lift treadmill deck – for ultimate hygiene.
- On-board hand shower for pool / dog wash-down
- Fill & drains maximum depth - 900mm ( inches) (2 mins approx)
- Insulated water storage tank with auto top-up & water turnover program – ultimate hygiene for operator and canine
- Automatic water treatment chemical dosing system – pH & Chlorine monitoring
- Water heater (Stainless Steel element) with in-line safety over temp cut-out and flow switch monitoring – programmable up to 40 Celsius (104 °F)
- Treadmill Incline system - OPTIONAL
- Multi level, rapid turnover filtration system with in-line hair & particle separator
- Electronic control display panel with programmable filtration, water transfer and temperature parameters
- Energy Save' mode – automatically reduces water temperature when not in use
- Dual filtration system – water is filtered & treated whilst in the Treadmill pool and in the storage tank.
- Stainless steel main structure and corrosion resistant base frame
- Easy to operate entry & exit door
- 2 treadmill stop buttons
- Chill Spa OPTIONAL
- Water and energy wise control system operators platform OPTIONAL
- 'Over-Temp' water balance system (automatically maintains water temperature to within approximately 1° Celsius of programmed temperature during warm summer days.
- Step-up external operators platform - side platforms OPTIONAL
- Accommodates any size canine with or without operator
- Non-slip heavy duty treadmill belt
- Treadmill entry and exit ramp - OPTIONAL

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