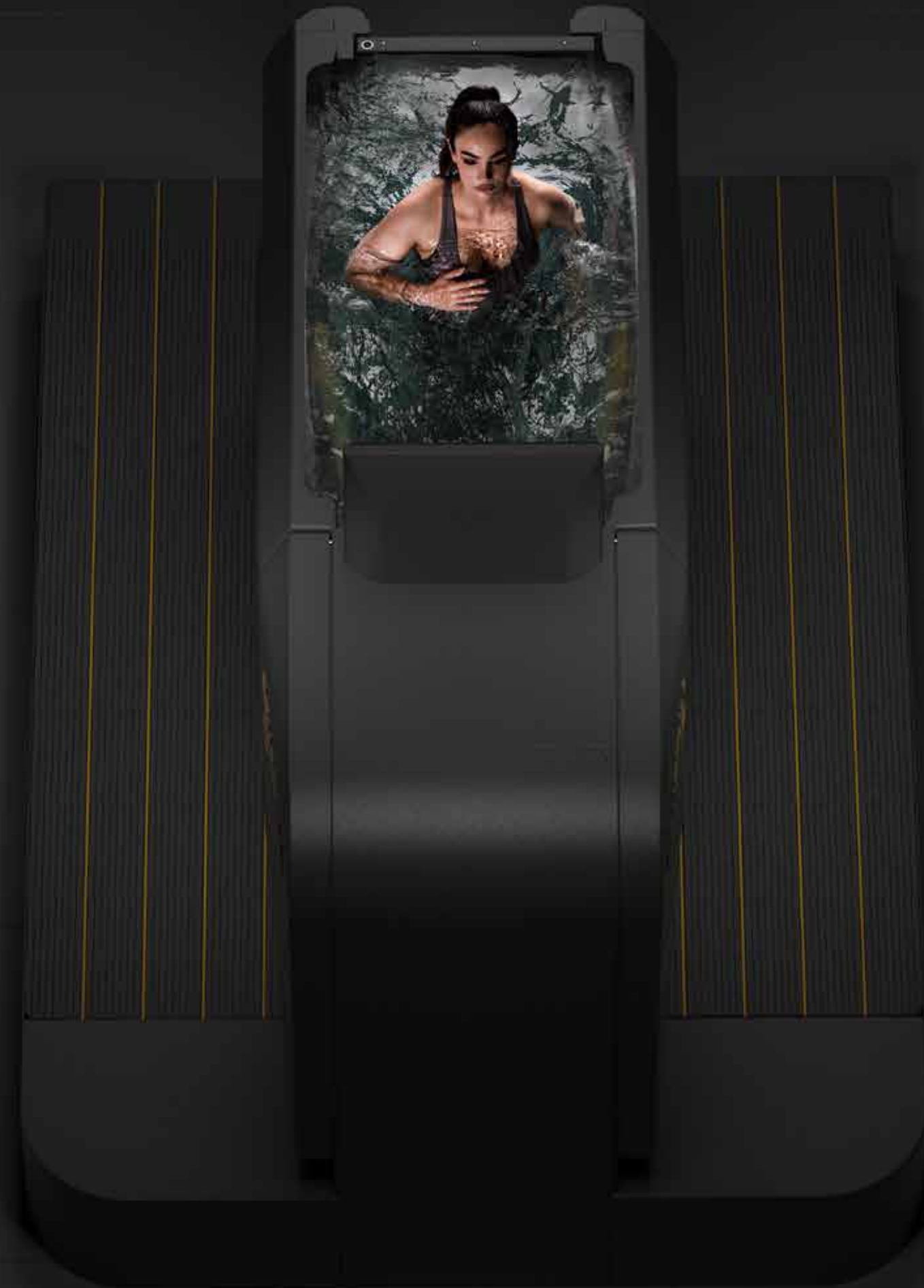


AQUAMILL



Aquamill **Ultimate Hydrotherapy Solution**

At SmartFit, we believe in reshaping the future of sports performance, health, and wellness through innovation and technology. Aquamill delivers a next-level hydrotherapy experience by combining low-impact training with unmatched resistance and versatility. Whether your clients are elite athletes recovering from injury or fitness enthusiasts striving for peak conditioning, Aquamill helps unlock stronger muscles, faster recovery, and safer training—all within a compact, easy-to-install system. Elevate your facility's offerings with the future of aquatic fitness and sports medicine.

CONTENTS

01
Hydrothraphy⁰⁷⁻⁰⁸

02
Why
Aquamill?⁰⁹⁻¹⁰

03
Applications¹¹⁻¹²

04
Features and
advantages¹³⁻¹⁶

05
Software¹⁷⁻¹⁸

06
Data Sheet¹⁹⁻²²



HARD EFFORTS
YIELD **PROGRESS**



SMART EFFORTS
YIELD **SUCCESS**



01 Hydrotherapy

Hydrotherapy is about harnessing the science of water's natural properties to accelerate recovery, improve strength, and protect the body. Aquamill is designed to optimize each of these effects in a controlled, clinical-grade environment.

Buoyancy

Water reduces the effects of gravity, offloading up to %80 of body weight.

- Reduces joint stress
- Enables pain-free movement
- Ideal for injury recovery, arthritis, and mobility training

Viscosity

Water is ~800 times denser than air, providing natural resistance to movement in all directions.

- Builds muscle strength and endurance
- Engages stabilizer and core muscles
- Burns more calories compared to land-based exercise

Hydrostatic Pressure

Water exerts even pressure on the body when submerged.

- Reduces swelling and inflammation
- Improves venous return and circulation
- Enhances joint stability and body awareness (proprioception)



Temperature

Water retains and transfers heat more efficiently than air.

- Warm Water:
 - Relaxes muscles and reduces spasm
 - Improves circulation and range of motion
 - Eases pain and stiffness
- Cooler Water:
 - Increases calorie burn
 - Stimulates circulation and alertness
 - Ideal for post-workout recovery or weight management

Turbulence & Flow Dynamics

Water's motion can be manipulated to create turbulence or jet pressure.

- Challenges balance and coordination
- Offers targeted hydro-massage
- Improves motor control and neuromuscular response

By leveraging these scientifically proven effects, Aquamill transforms each session into a complete therapeutic or performance-enhancing experience — all in a compact, private, and programmable environment.

Why Aquamill?

Aquamill redefines aquatic therapy by offering the performance of a pool, without the space, complexity, or compromise. Designed for modern clinics, fitness centers, and wellness spaces, it delivers a smarter, safer, and more personalized hydrotherapy experience.



Whether your goal is faster rehab, better athletic performance, or exclusive wellness services, Aquamill offers what pools can't: privacy, personalization, safety, and flexibility — all in one elegant solution.

SMARTFIT

- **Private, VIP Experience**
Each session is fully private — no shared water, no crowds. Clients enjoy individual treatment in a premium, controlled environment that elevates the user experience and preserves dignity.
- **Maximum Hygiene, Minimal Water**
With far less water than a full-sized pool, Aquamill is easier to disinfect and faster to filter. Combined with its built-in purification system, it eliminates infection risks and ensures a clean, safe session every time.
- **Personalized Temperature for Every User**
Unlike pools with a fixed water temperature, Aquamill allows you to adjust the water temperature for each user's therapeutic or training needs — from soothing warm to calorie-burning cool.
- **Built for Modern Spaces**
No dedicated room or pool hall required. Aquamill fits into small clinics, gyms, or wellness rooms — even on upper floors — and installs easily with no need for plumbing or renovation.
- **All-in-One Versatility**
From treadmill workouts to standing exercises, seated rehab, and hydro-massage — Aquamill replaces multiple setups with one compact, self-contained system.
- **Engaging Digital Experience**
The integrated 24" touchscreen transforms every session. Play videos, show guided rehab routines, or display SmartHealth data — making sessions more motivating and professional.
- **Efficient, Profitable, Scalable**
Fast turnaround between clients, low operating costs, and premium service potential make Aquamill a smart business asset with strong return on investment.

Applications03

Aquamill is built to serve a wide range of clients — from patients in rehabilitation to high-performance athletes and wellness seekers. Its versatility makes it an essential tool across fitness, therapy, and recovery programs.

Rehabilitation & Recovery

For post-injury, post-surgery, or chronic condition management

- Safe gait retraining and mobility restoration
- Reduced joint loading for orthopedic recovery
- Effective rehab for neurological conditions (stroke, MS, CP)
- Improved circulation and pain relief in warm water
- Passive or assisted therapy via seated mode

Sports Performance & Conditioning

For athletes and active individuals

- High-resistance, low-impact training to boost endurance and strength
- Faster recovery with hydro-massage and active cool-downs
- Reduced injury risk through joint-friendly workouts
- Ideal for off-season conditioning or return-to-play programs



SMARTFIT

Weight Management & Body Recomposition

For clients focused on fat loss and muscle toning

- Elevated calorie burn through water resistance and cool temperature
- Full-body muscle engagement without joint stress
- Ideal for overweight individuals needing low-impact options
- Seated and standing exercises to match all fitness levels

Balance, Stability & Functional Mobility

For older adults and clients with motor control challenges

- Buoyant environment supports fall-safe movement
- Balance and proprioception training in a forgiving medium
- Improved core activation and coordination
- Handrails and accessories for added support

Wellness, Spa & Relaxation

For recovery-focused or luxury wellness settings

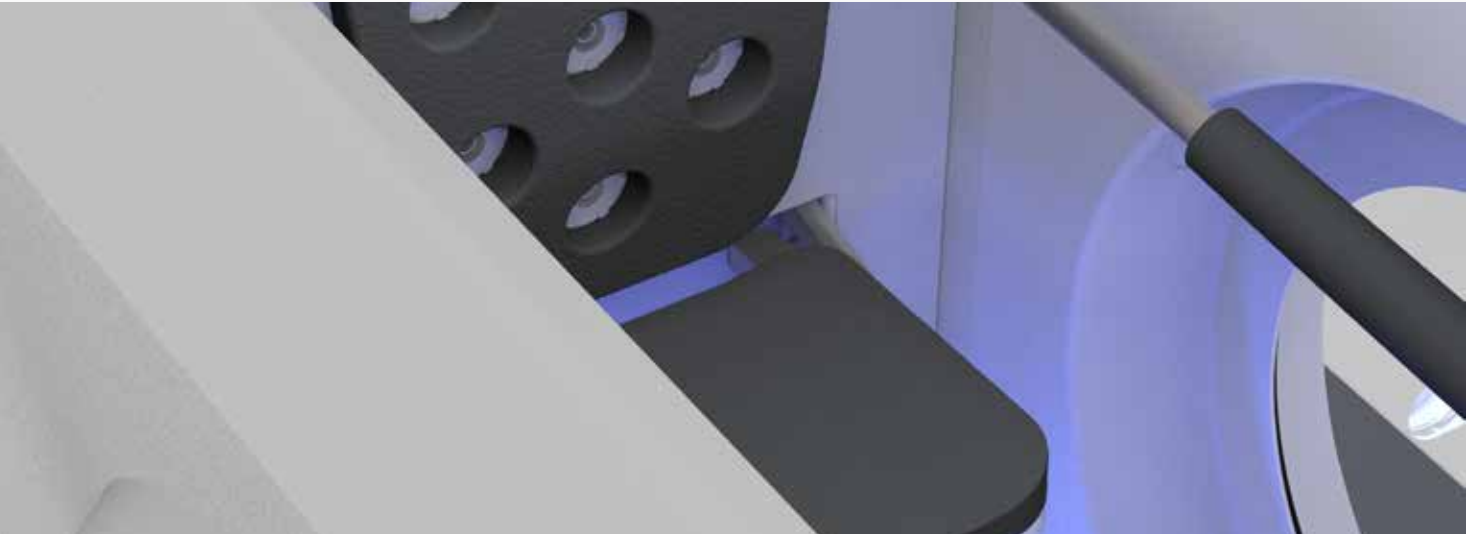
- Warm-water hydro-massage therapy
- Muscle relaxation and stress relief
- Personalized, private sessions for a premium user experience
- Can be positioned as part of recovery or post-workout flow

Motorized Underwater Treadmill

Delivers safe, low-impact walking or running with natural biomechanics and the added intensity of water resistance, up to 800x that of air.

High-Efficiency Filtration & Disinfection

Compact water volume makes cleaning faster and more effective, with built-in filtration maintaining hygienic conditions between users.



Overflow Channels

Continuously collects floating particles or impurities from the water surface during sessions, ensuring a cleaner, more hygienic environment.

Built-In Water Tank with Rapid Drainage

No external pumping — water drains directly through wide internal channels into a hidden tank beneath the chamber. Reduces drainage time from 5 minutes to just 15 seconds — a critical safety feature in emergencies and ideal for high-turnover use.



Compact, Self-Contained Design

Installs easily in small rooms with no need for permanent plumbing or structural modifications — perfect for clinics, gyms, or wellness studios.

Adjustable Water Depth

Accommodates different levels of buoyancy and resistance, making sessions effective for both high-intensity training and gentle rehabilitation.



Fast Temperature Adjustment system

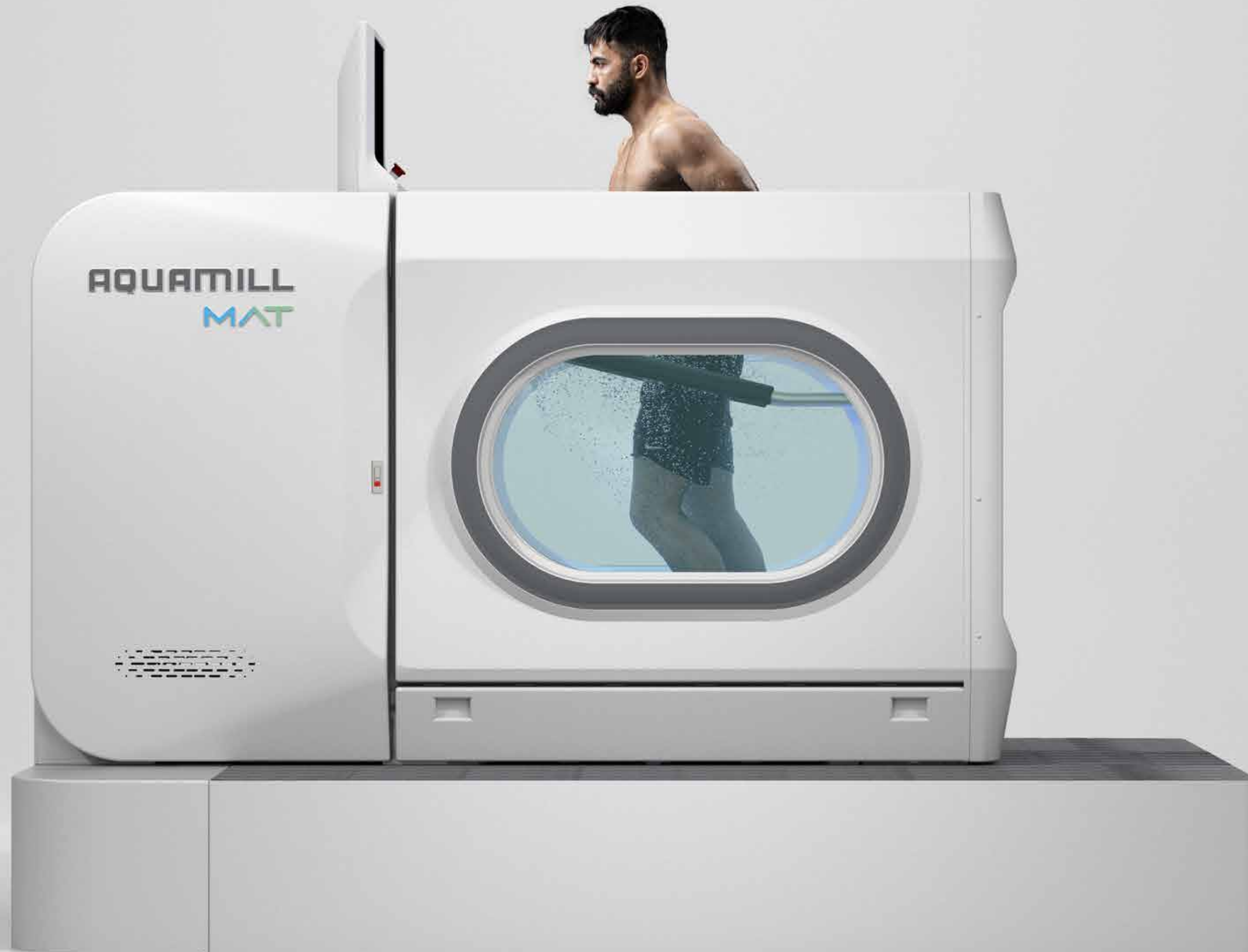
Enables individualized water temperatures — warm for circulation and pain relief, cool for increased energy expenditure — all without affecting other users like a shared pool would.

Foldable Seat

Offers seated rehabilitation and upper/lower body movement training for users with limited mobility or during passive recovery programs.

Every element of Aquamill is designed for performance, safety, and efficiency, turning aquatic therapy into a smarter, more powerful experience for both users and professionals.

Features and advantages⁰⁴



Integrated Air Jet System

Adds water turbulence for extra muscle engagement during workouts or soothing massage during recovery sessions.

Handrails for Safety & Stability

Provide secure support for balance training, gait retraining, and early-stage rehabilitation.

Aquatic Exercise Accessories

Expand training options with underwater resistance tools, dumbbells, or supports — enhancing strength, coordination, and flexibility routines.

Private, One-on-One Sessions

Each user trains in a dedicated session, reducing infection risk and elevating the experience to a VIP standard.

SmartHealth App Connectivity

Records session data, tracks progress over time, and supports therapist- or coach-led program adjustments remotely.

24" Touchscreen Display

Let's users watch videos, follow guided routines, or monitor their performance via SmartHealth, keeping sessions engaging and personalized.

Software 05

SmartFit Integration
Seamless Connection to
the SmartHealth Ecosystem



Aquamill isn't just smart — it's SmartFit-connected. Designed to work seamlessly with the SmartHealth App and SmartFit's broader digital infrastructure, it transforms hydrotherapy into a connected, data-driven experience that enhances outcomes for clients, coaches, and clinicians alike.

SmartHealth App Sync

Users can track performance, monitor progress, and view personalized data from each session — including calories burned, duration, resistance level, and more.

Therapist & Coach Dashboard

Professionals can remotely monitor client activity, adjust protocols, and provide tailored guidance — ideal for clinics, sports teams, and hybrid coaching programs.

Interactive Touchscreen Display

During sessions, the 24" screen can display SmartHealth data, exercise videos, or guided therapy programs, keeping users engaged and informed in real time.

Client Profiles & Program Customization

Every user gets a dedicated profile that stores their session history and preferences, enabling better continuity of care and highly personalized training.

Cross-Device Compatibility

Aquamill integrates with other SmartFit equipment and services — building a unified environment where every workout, therapy, or recovery session contributes to a larger health journey.

Insights that Drive Progress

From rehab to peak performance, SmartHealth insights help users and professionals understand what's working — and how to improve.

Whether in a standalone center or part of a larger SmartFit facility, Aquamill becomes more powerful when connected — offering not just hydrotherapy, but an intelligent ecosystem of movement, recovery, and results.

Category Specification	
Platform Dimensions	L 318 cm × W 227 cm × H 45 cm
Unit Dimensions	L 206 cm × W 107 cm × H 242 cm
Chamber Size	L 140 cm × W 85 cm × H 150 cm
Maximum Water Depth	1300 mm
Water Capacity	1500 Litrs
Complete System Weight	Empty 900 kg
	Full 2400 kg
Treadmill Speed Range	0.1 - 10 kph
Temperature Range	From Ambient - 38
	Built-in heater System
	Hot and Cold Water Inlet
Power Supply	Fast Temperature Adjustment
	220 v - Single phase - 60/50 hz - 25 A

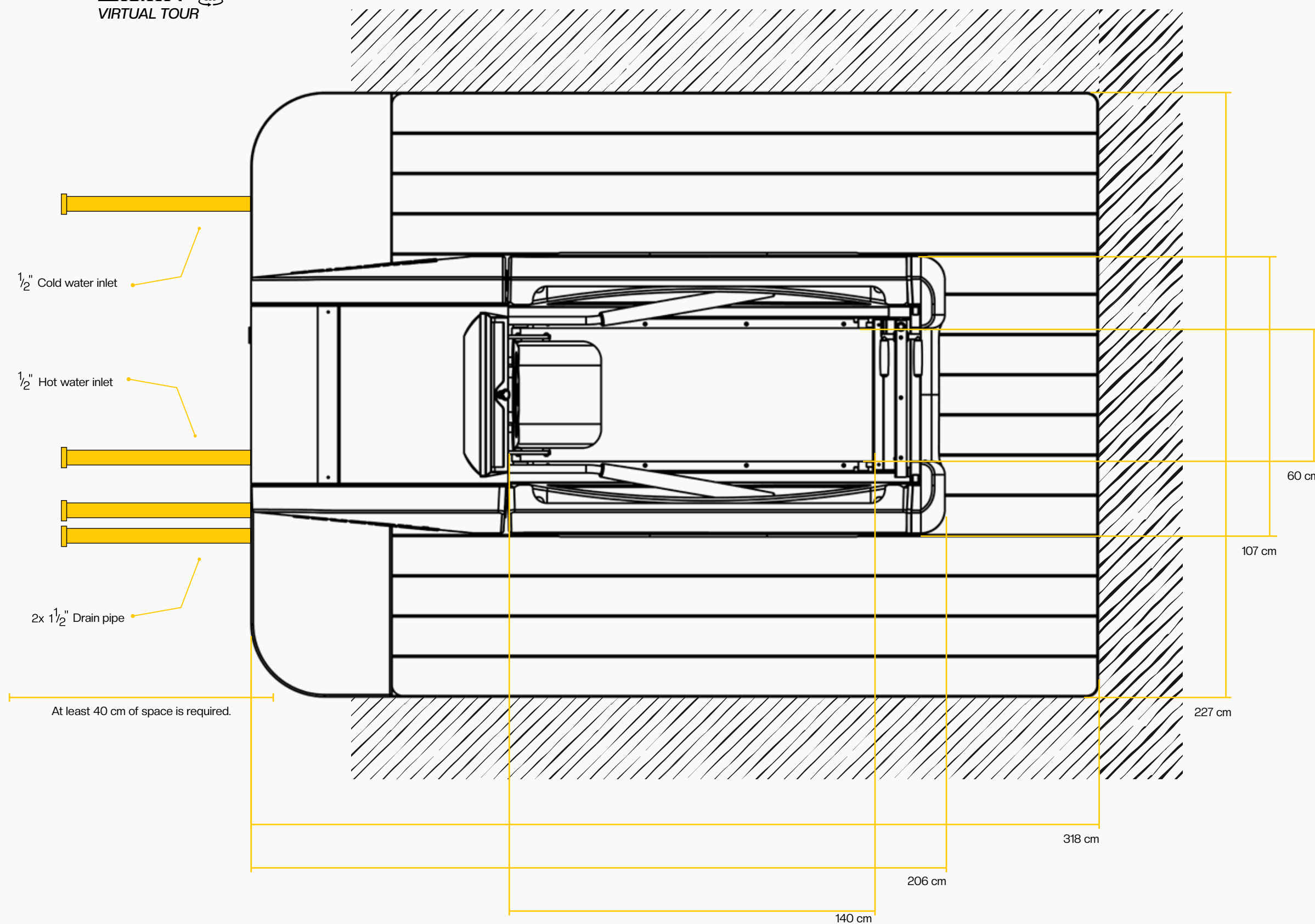
Category Specification	
Fill Time	Approx 4 minutes to max depth
Drian Time	Approx 15 seconds
Maximum User Weight	200 kg
Display	24" TouchScreen HD Monitor
Control System	SmartTouch Panel+SmartHealth App Integration
Filtration	Sand Filtration System+Salt Electrolysis System
	Option UV Filtration
Accessories	8 Airjet
	Foldable Seat
	LED Light
	Handrails
	Option pull-up bar

Aquamill

Fits anywhere.



Room Integration Guide



MAT Health-Tech Group
Engineering the Future of Smart Health

MAT Health-Tech Group is a multidisciplinary innovation hub redefining fitness, rehabilitation, and preventive care. Through advanced equipment and integrated software, we deliver smart, human-centered health solutions.

Subsidiaries:

MATbiomedical Corp – Develops cutting-edge rehabilitation and therapy devices like the Aquamill, blending clinical-grade engineering with real-world usability.

SmartFit Corp – Designs intelligent wellness products and ecosystems that empower users and upgrade facilities into data-driven environments.

SmartFit Clubs & SmartRehab Centers – Our global network of smart wellness and rehab centers combines advanced technology with personalized, AI-driven care.

