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Producer of Underwater Treadmill



<http://www.Atpsco.com>

# Why water ?

## Properties and Benefits of Water to Physicians:

**Hydrostatic pressure** :(This pressure is caused by liquids to balance due to gravity and is added to the water depth)

Help to increase blood circulation and reduce heart rate and arterial pressure

- Reduction of peripheral edema
- Increased metabolism and calorie burning
- Improves cardiovascular conditioning by increasing pressure on the chest(fig 1)

**buoyancy:** ( Depending on the height of the water there are different advantages)

- Reduce painful joint and muscle pressure
- Improved flexibility
- Increase body stability (fig2)

**Temperature:** (Variable temperature of water can have great effects on the body)

- Calms the user
- Relieves pain
- Improves blood circulation (fig2)

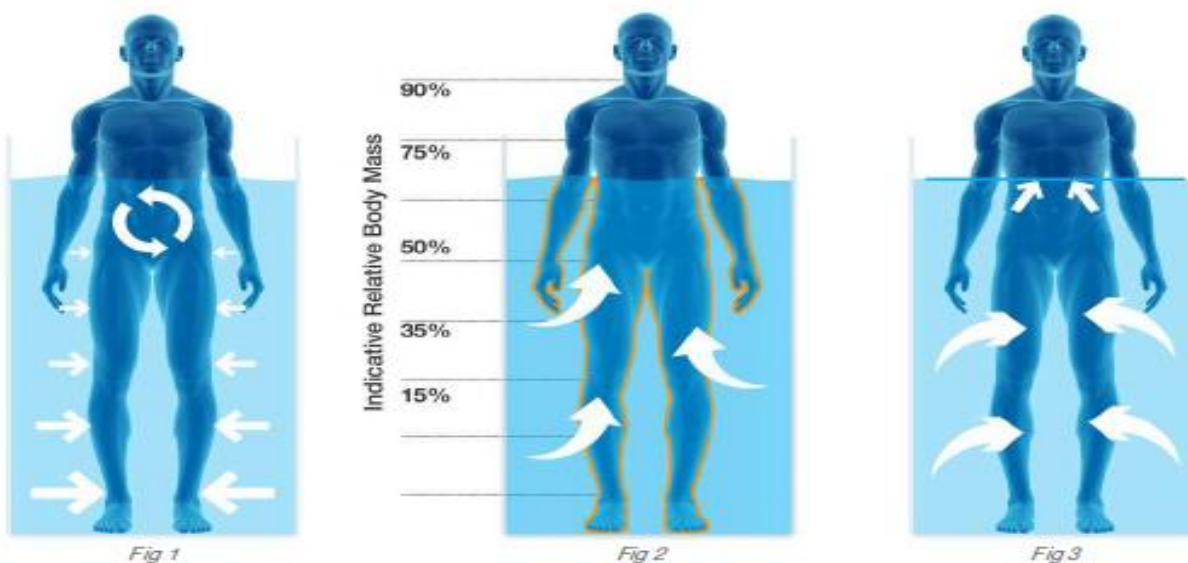
**Surface tension:**( Area users break water level with their body)

Targets specific muscle groups

- Balances specific patients (fig3)

**Water resistance:** (Water resistance to submerged areas)

- Protection of weak muscles and organ
- Increases the intensity of exercises (fig3)



# Benefits of Atieh pardaz underwater Treadmills

## 1. Ankle Injuries

underwater treadmill users experience a 60% reduction in body weight, which is very useful for rehabilitation and healing of injured limbs such as the ankle.

## 2. Knee and lower leg injuries

Benefits of treadmill augmentation after knee replacement and leg injury

## 3. Thigh joint replacement

Elderly patients after rehabilitation of thigh joints can undergo rehabilitation to manage pain and rehabilitation by walking in hot water inside these treadmills .

## 4. Weight loss

Exercise on these treadmills promotes health and fitness

## 5. Spinal cord injuries

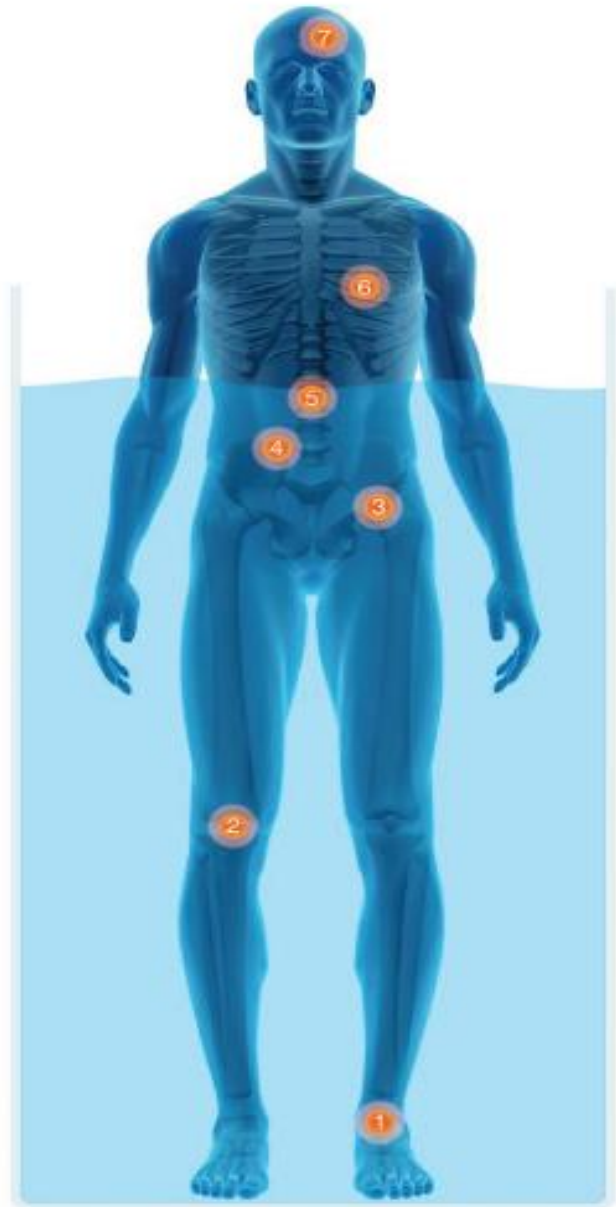
The low speed on the treadmill allows patients to take the first steps to healing the affected areas in a fully controlled aquatic environment

## 6. Cardiovascular, Respiratory

Exercise in the water can improve cardiovascular strength, and water resistance and pressure as key elements along with the correct water temperature can be effective in fitness and muscle building and increase cardiovascular efficiency.

## 7. Nervous system

Stroke patients and people with other neurodegenerative diseases can re-learn in the aquatic environment





### Muscle building and weight loss

Due to the resistance of water to inertia, it puts a lot of pressure on the lower muscles to walk and run, which causes four times more muscle and calorie burns than the non-water condition. The height of the water should be set below the knee



### Muscle Rehabilitation Using Weight Loss

When the body is immersed in water, it reduces the amount of weight that can be reduced by up to 125 centimeters in the treadmill, by up to 70 percent of the body weight, which reduces muscle weakness. Is coming



### Rehabilitation of spinal cord injuries

Surface tension in these treadmills helps maintain balance while walking and enhances confidence in walking to improve spinal cord injury.



### Apply temperature changes

Due to the possibility of temperature changes in these types of treadmills in the interval 0-40 °C, depending on the type of illness and temperature damage required, can be created in the aquatic environment used.

# underwater treadmill

## X2000 technical specifications:

- Treadmill speed 0-8 km / h
  - Maximum dewatering height of 125 cm
  - Dimension (cm)  
length 165-wide 85-high 160
  - Weight without water 250 kg
  - Weight at maximum dewatering 2000 kg
  - Maximum tolerable weight 230 kg
  - Adjustable water temperature up to 34 ° C
  - Touch screen 7"
  - Water jet 2
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- Folding chair for upper body exercises
  - Water circulation system and physical and chemical treatment(ozone)
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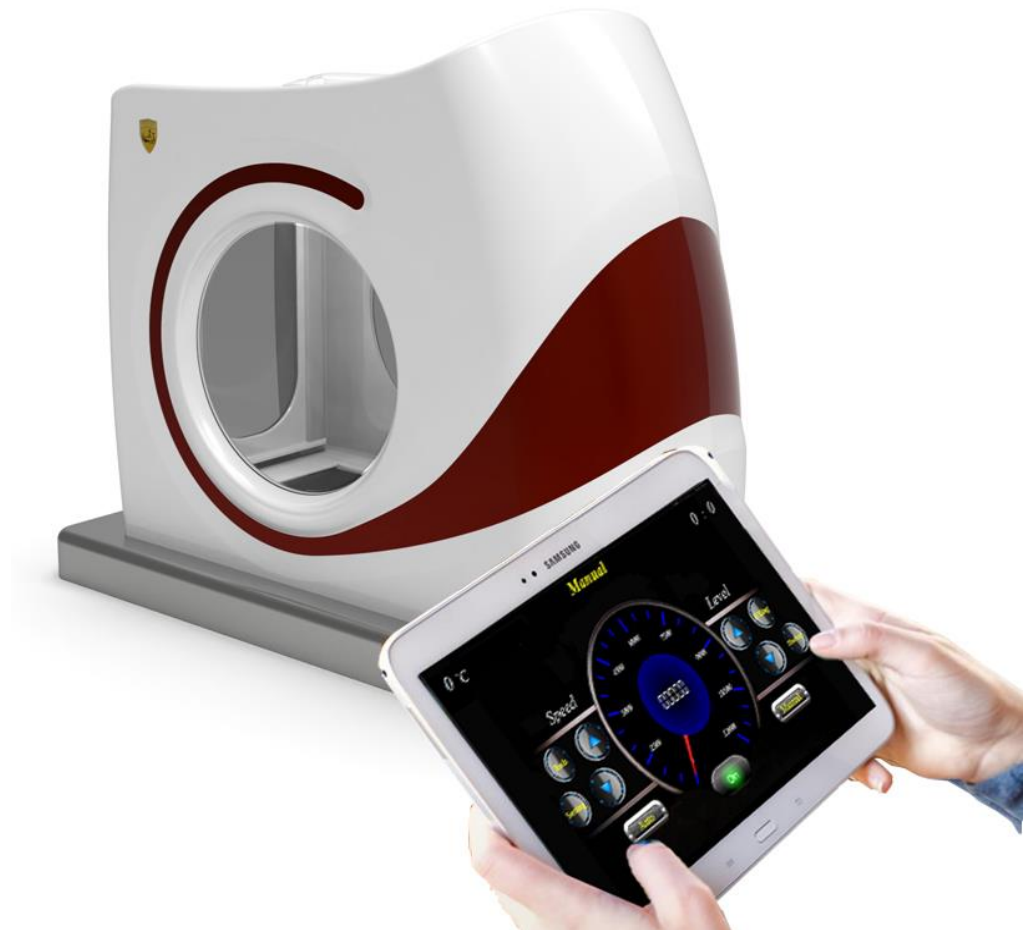


# underwater treadmill

## SX2000 technical

### specifications:

- Treadmill speed 0-11 km / h
  - Maximum dewatering height of 125 cm
  - Dimension (cm)  
length 200-wide 100-high 170
  - Weight without water 250 kg
  - Weight at maximum dewatering 2000 kg
  - Maximum tolerable weight 230 kg
  - Adjustable water temperature up to 34 ° C
  - Folding chair for upper body exercises
  - Touch screen 10"
  - Water jet 6
  - Turbo jet 1
  - Side tray
- Wifi control with android Tablet
  - Water circulation system and physical and chemical treatment(ozone)

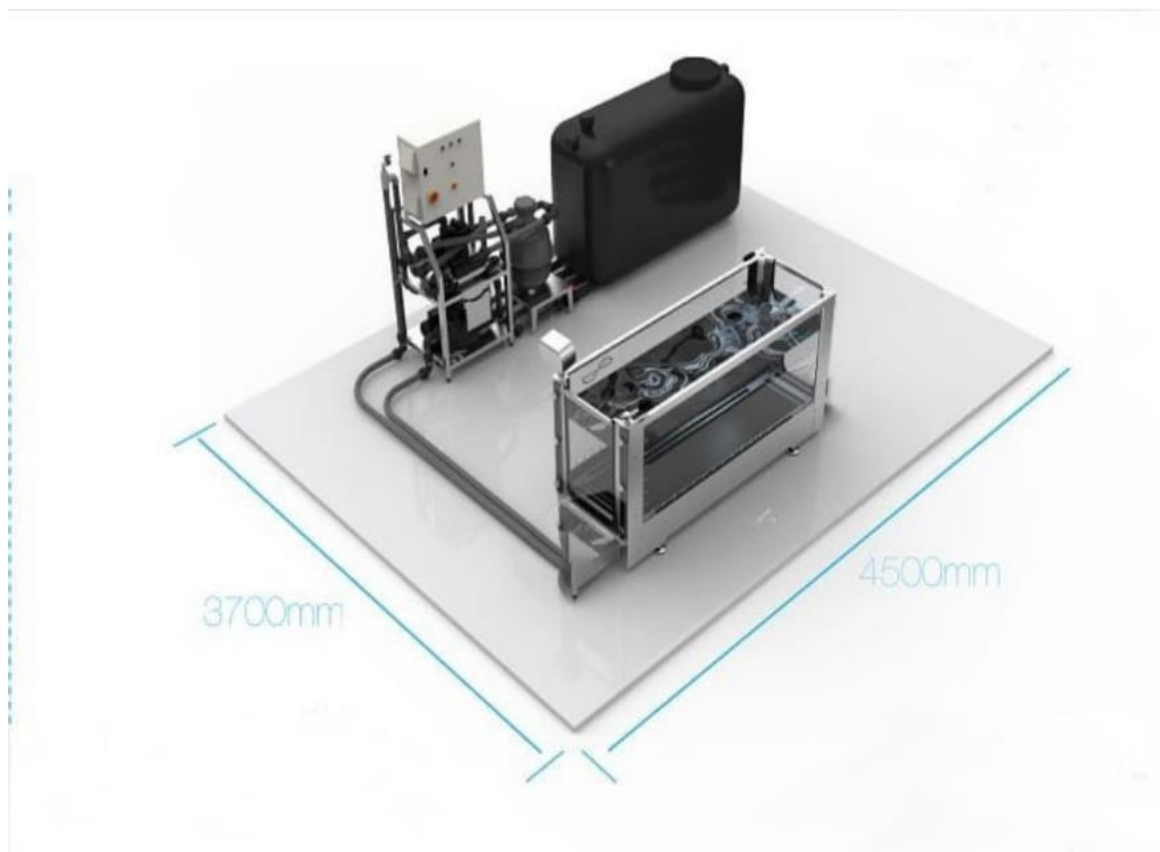


## Overview of blue treadmill with accessories

Auxiliary facilities include:

- Water storage tank with capacity of 2000 liters
- Water heating system
- Physical water treatment system (cartridge)

- Chemical Water Treatment System (Ozone)
- Treadmill power system and intelligent control
- Station Pump









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