



# HAVA

## Hot Yoga System

The perfect balance of  
heat and humidity



# Meet HAVA

## The Hottest Technology in Yoga

HAVA is designed to restore **health, confidence,** and **calmness** through **yoga** with **love** and sincere **care** for you.

Yoga just got a whole lot hotter with HAVA! The new and complete HAVA tower is a fully integrated system with ventilation, heating, humidification with closed proportional control, and easy maintenance. Made to suit any hot yoga studio in a space up to 800 sq. ft, HAVA features a humidifier control panel, modulating electric heater section, resistive electric steam humidifier section, and a 3-speed fan. Designed to reliably maintain 104°F (40°C) with 50% RH in a space up to 7060 cu. ft. The easy-to-install and maintain Hot Yoga climate tower's air supply can come directly from the room or from a local duct network. HAVA is the perfect solution to help maintain heat and moisture in the air for any style of Hot yoga.



The best Hot Yoga studio system will ultimately depend on your space and budget!



# Features of HAVA

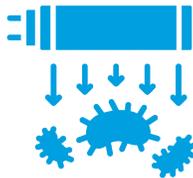


## A 3-IN-1 SYSTEM: HEATING, VENTILATION, AND HUMIDIFICATION

The Hot Yoga climate tower is a fully integrated system that includes ventilation, heating, humidification, and energy conservation with closedproportional control.

## BUILT-IN CONTROLLER AND USER INTERFACE

The TFH24P3 is a fully configurable controller and sensors explicitly designed to function with a Neptronic Hot Yoga Studio System. No additional modules are required as the required inputs, outputs, and control algorithms are built into the unit.

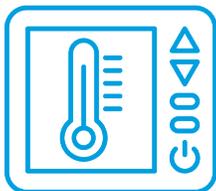
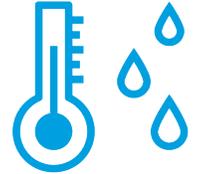


## ANTI-GERM UV LIGHT

UV-C (also called germicidal UV) utilizes light to break down the chemical components in microorganisms such as bacteria, and viruses, preventing them from multiplying. Using an anti-germ UV light is beneficial because it helps kill germs, thereby purifying the air. They're incredibly useful for hospitals, medical labs, senior care centers etc.

## ADJUST TEMPERATURE AND HUMIDITY SETPOINTS

Users get to adjust the temperature to either heat or cool their desired space and they get to adjust how humid they wish to make the desired area.

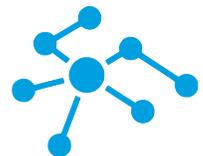


## BUILT-IN THERMOSTAT WITH LCD

The built-in thermostat with LCD can display temperature, humidity, and fan status. It can also, adjust temperature and humidity setpoints. As well as change filter and system status indications.

## EXTERNAL/REMOTE TEMPERATURE/HUMIDITY SENSORS

The unit is equipped with two sensors: one for humidity and one for temperature. The thermostat is in charge of controlling and displaying the output of the external sensors.

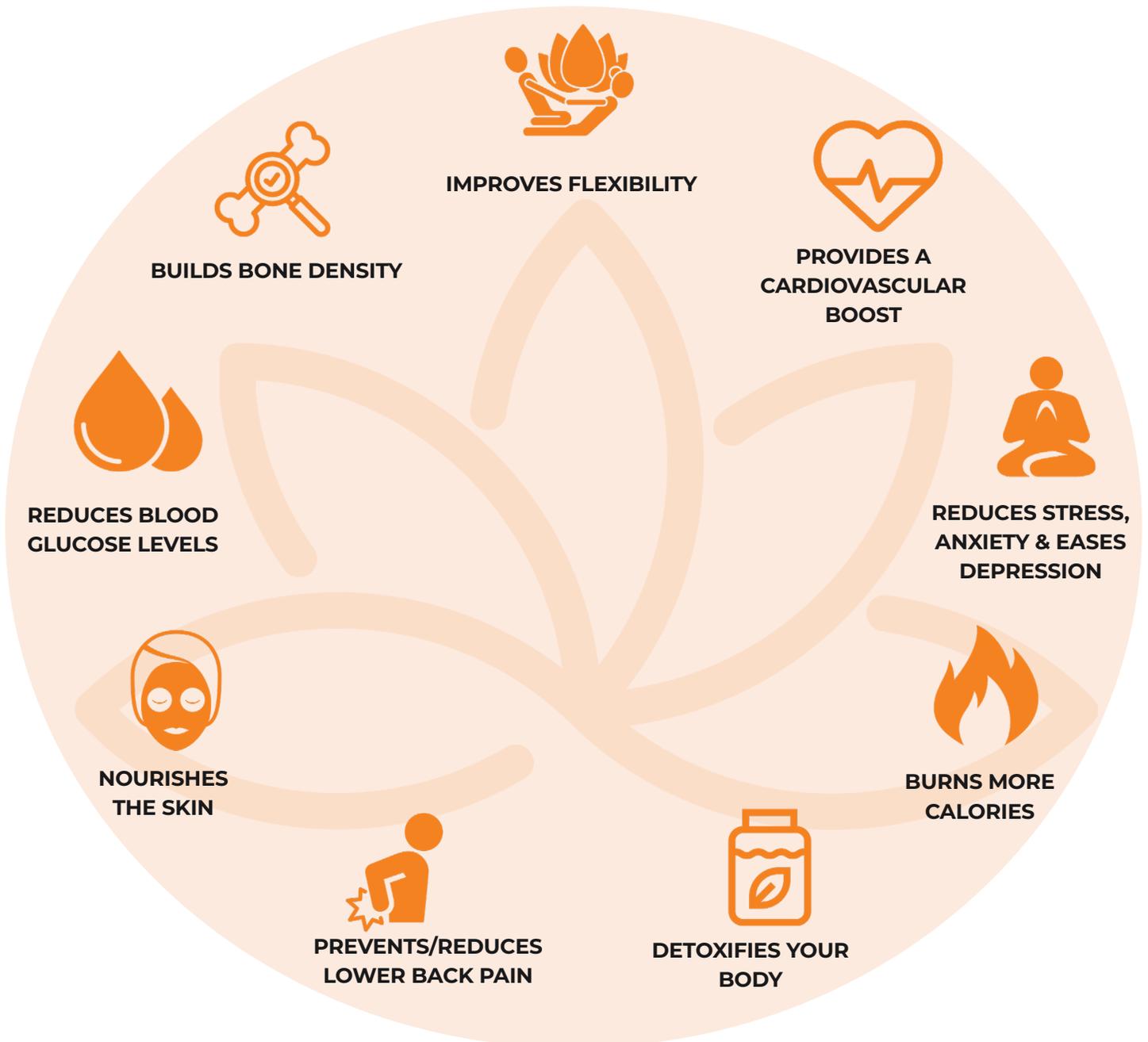


## DISPLAY TEMPERATURE, HUMIDITY, AND FAN STATUS

The front panel of the humidifier displays the room temperature as either Celsius or Fahrenheit. It will also display the humidity level percentage RH. In addition, it shows the desired fan speed.

# Benefits of Hot Yoga

Since hot yoga is meant to make you sweat a lot, detoxify your skin, and burn more calories than a dry heat setting, it necessitates rigorous control over the temperature and humidity of the atmosphere. Increasing the heat keeps the body warm, allowing more effective stretching and reducing injuries.



# Applications

"The journey of a thousand miles begins with one step." - Lao Tzu



## HOT YOGA STUDIOS

The most crucial part of practicing hot yoga is the heat. When you practice hot yoga, the temperature and humidity in the studio work in tandem to maximize your exercise. Therefore, maintaining the moisture in the studio appropriately adjusted is critical for practice because it allows the muscles to relax, which helps prevent injuries.

## SPAS

Spas can be a form of escapism for many. It allows people to treat themselves in personal care as they can relax and decompress in a comfortable and peaceful setting. Humidification is vital in spas as it ensures that guests and employees will be in a relaxed environment.



## GYMS

Controlling the temperature and humidity levels in large open spaces like commercial gyms is critical in ensuring a comfortable and sanitary space. Humidity and temperature work together to create a comfortable environment.

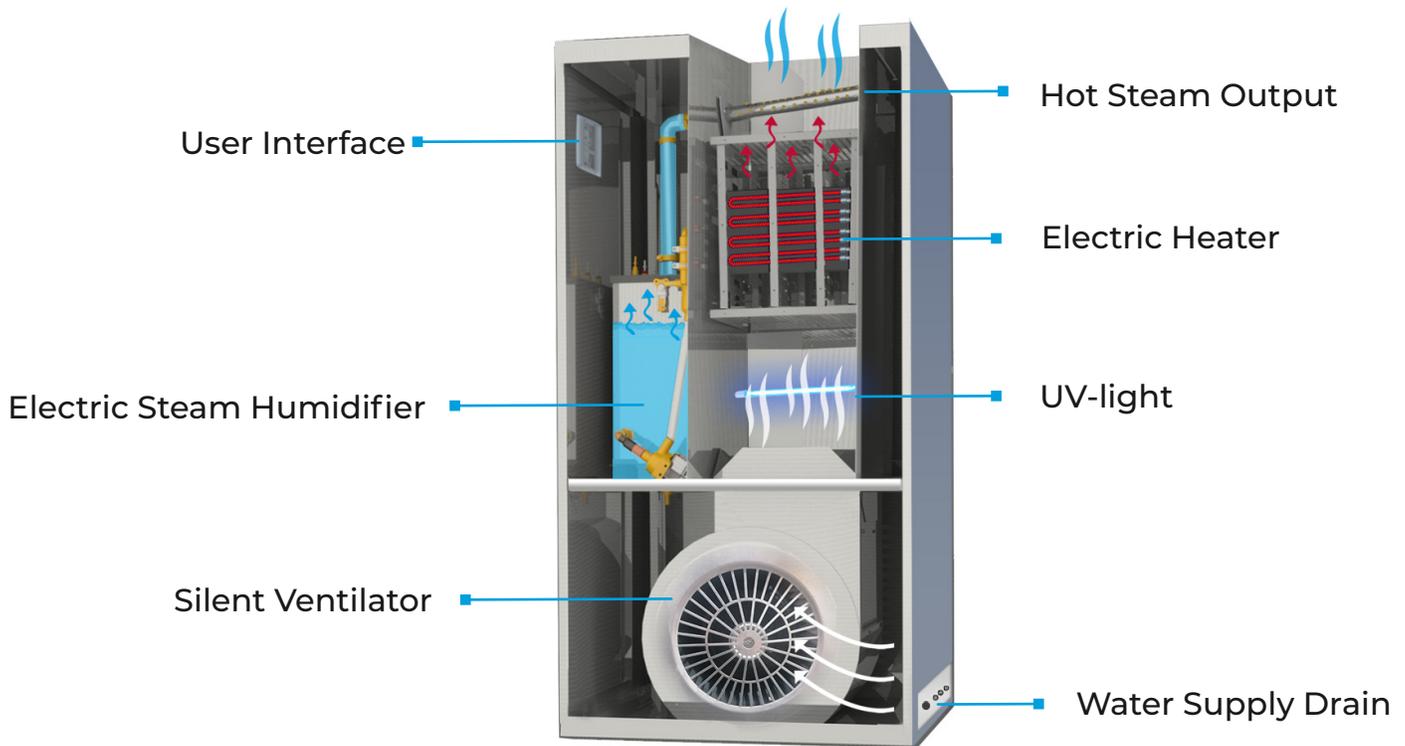
# Models

Find the right HAVA model that will suit your space and needs. First, determine the surface area of your space by square feet. Neptronic offers 4 HVH models: HVH-6 for 150 sq. ft (13.9 m<sup>2</sup>), HVH-7 for 300 sq. ft (27.9 m<sup>2</sup>), HVH-10 for 600 sq. ft (55.7 m<sup>2</sup>), and HVH-12 for 800 sq. ft. (74.3 m<sup>2</sup>), All HVH models offer the same ventilation speed of 1500 CFM at maximum speed. According to your space's surface area, you will then be able to determine the maximum power that the system needs.

Surface Area		150 sq. ft (13.9 m <sup>2</sup> )	300 sq. ft (27.9 m <sup>2</sup> )	600 sq. ft (55.7 m <sup>2</sup> )	800 sq. ft (74.3 m <sup>2</sup> )
Models		HVH-6	HVH-7	HVH-10	HVH-12
Ventilation	Air Flow	1500 CFM at maximum speed			
Heating	Power	6 kw	7.5 kw	10kw	12 kw
	Delta T	24°F [13°C]	29.6°F [16°C]	39.6°F [22°C]	47.5°F [26°C]
Humidification	Power	Up to 6 kw		Up to 16 kw	
	Capacity	Max 18 lb/hr [8kg/hr]		Max 48 lb/hr [22kg/hr]	
Total	Current	208V/3ph = max 34A  240V/1ph = Max 50A	208V/3ph = max 38A  240V/1ph = Max 57A	208V/3ph = max 73A	208V/3ph = max 79A

\* Based on an 8.5ft ceiling height

# Technical Drawing



## **USER INTERFACE**

The front panel is a fully integrated system which displays numerous features such as ventilation, heating, humidification, and control sequences.

## **ELECTRIC STEAM HUMIDIFIER**

The resistive heating elements of the humidifier convert electrical energy to heat energy that is then transmitted to the surrounding water, raising the temperature to its boiling point, creating steam. The humidifier includes a permanent, lightweight, and reusable stainless steel evaporation chamber.

## **VENTILATOR**

A three-speed ventilator that can be ducted to supply a constant flow of hot and humid air into the room. Air filters are included in the inlet of the fan.

## **HOT STEAM OUTPUT**

The humidifier generates mineral-free, odourless, sterile steam.

## **ELECTRICAL HEATER**

The advantages of tubular elements include less sensitive to humidity and dust, suited for demanding environments, and excellent mechanical resistance.

## **UV-LIGHT**

UV-C light destroys pathogens and produces no VOCs, chemicals, or Ozone. Also, the system offers continuous UV-C protection when the fan is in operation.

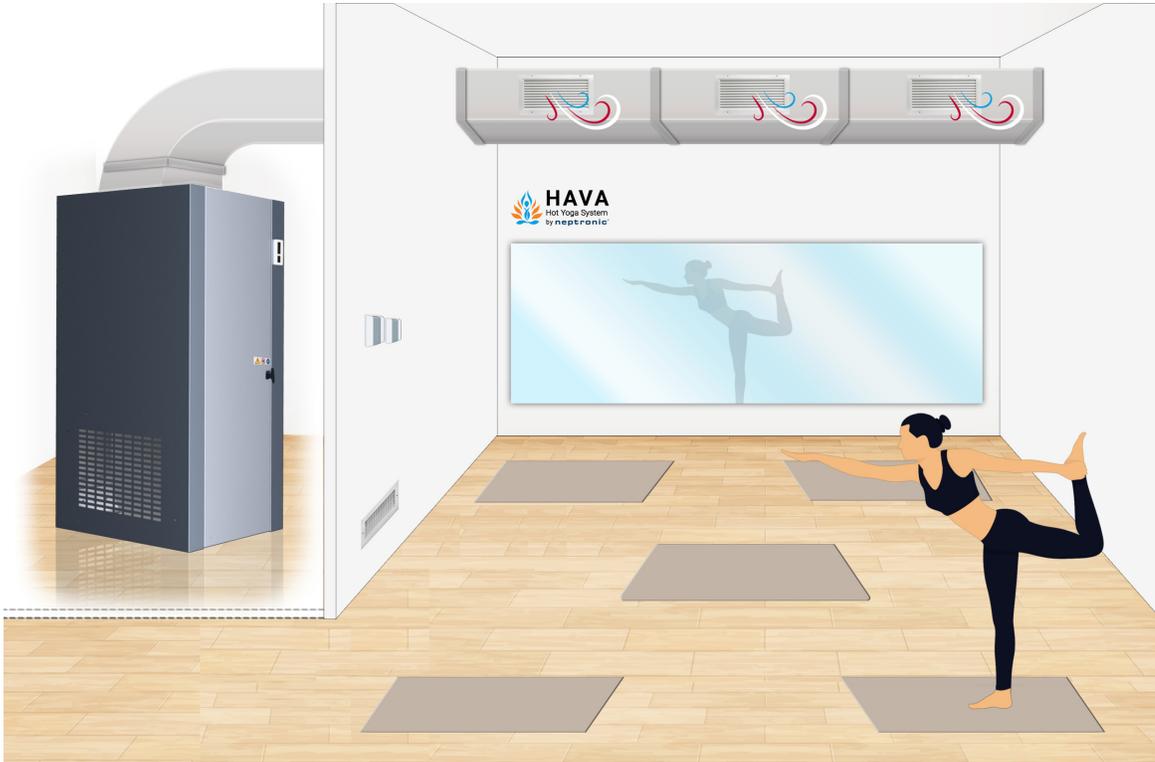
## **WATER SUPPLY AND DRAIN**

The HVH is suitable for all types of water including tap or RO water. It is equipped with a drain pump and wastewater cooling device.

# System Overview

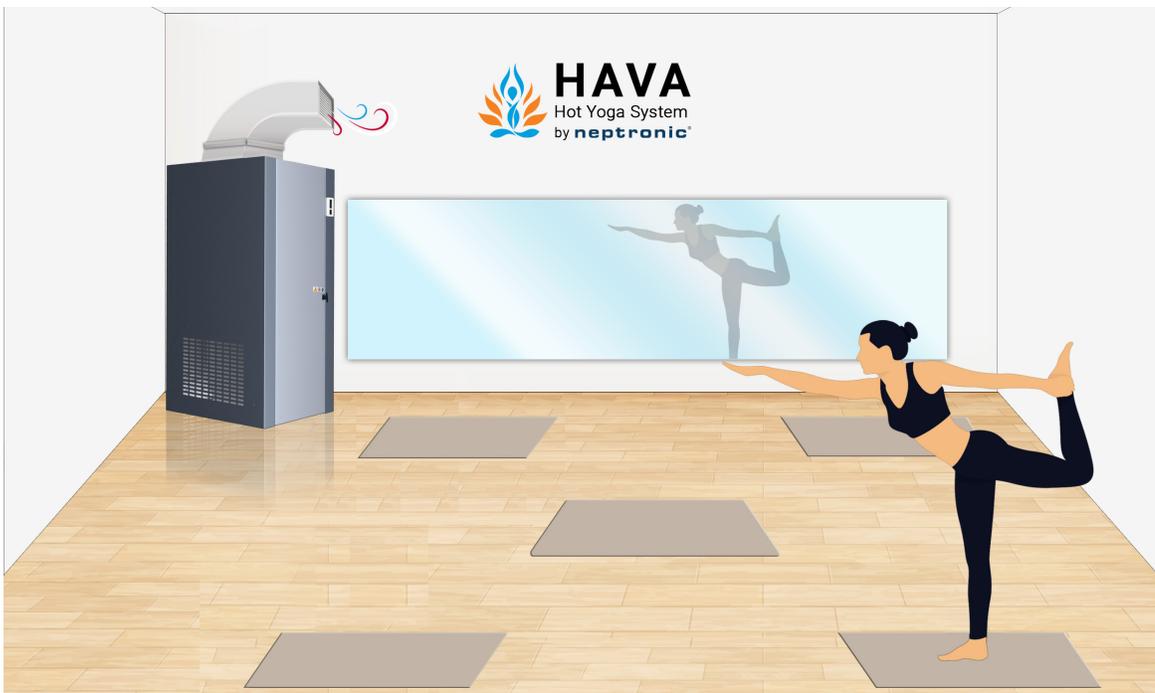
## OPTION 1

The system can be placed in an enclosed mechanical room.



## OPTION 2

The system can be placed within the same room as your hot yoga studio.



# Humidifier Product Line

**SKE4  
Electric  
Humidifier**



- Capacities from 6 - 300 lb/hr
- Remove chamber easily, without tools
- Outdoor unit available

**SKG4  
Gas Fired  
Humidifier**



- Capacities from 110 - 810 lb/hr
- Modular design
- Outdoor unit available

**SKS4  
Steam to Steam  
Humidifier**



- Capacities from 17 - 1250 lb/hr
- Scale management system for easy maintenance
- Insulated external panels

**SKVF  
Evaporative Cooler**



- Airflow up to 6000 CFM
- ECM fan with variable output
- Compact, quiet and standalone

**SKR  
Residential  
Humidifier**



- Capacities from 4.5 - 12 lb/hr
- Permanent cleanable chamber
- Reliable siphon drain

**SKH  
High Pressure Atomizer  
Humidifier**



- Capacities up to 4638 lb/hr
- Up to 3 zones
- Installation in-duct or in-space

**SKV  
Evaporative Humidifier**



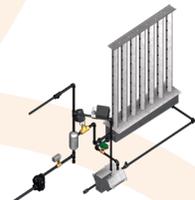
- Free cooling up to 22°F (12°C)  
Custom design to fit your application
- Hygienic operation with silver ion dosing system

**Steam  
Distribution**



- Multi-Steam™ SD/HD distribution
- S.A.M. & S.A.M.E2 wands
- SDU (Space distribution unit)

**SKD  
Direct Steam**



- Capacities from 5 - 1650 lb/hr
- Jacketed or Multi-Steam™ SD/HD
- Unique electronic steam controller



**HAVA**  
Hot Yoga System  
by **neptronic**