



Humidification in Steam Rooms

Nortec's NH Series humidifiers are the perfect compliment for steam rooms in health & athletic clubs, hotels, spas, wellness centers, and homes.



NH Series

Nortec's NH Series, Electric Steam Humidifiers, will provide your steam room with uncontaminated clean steam, minimal maintenance and long-term reliability. The NH humidifier can accept inputs from a building management system (BMS) to automatically control output in your steam room.





A steam room is designed for wet heat, and is not to be confused with a sauna that uses dry heat. Steam rooms need to maintain a saturated condition, and an elevated temperature of 45°C (113°F).

The warm, moist air in a steam room can provide health benefits including increased body circulation, relief from asthma & respiratory conditions, reduce joint & muscle pain, and alleviate symptoms of arthritis.

Your Nortec humidifier should be installed on an adjoining room wall, not directly in your steam room, and at a height that allows access for service. Steam piping between the unit and the outlet should run outside the room.

The humidifiers steam should be injected into the room at a low level. It is strongly recommended that a shield be installed in front of, but not blocking, the steam outlet to prevent anyone from coming in contact with the steam.

The following is a guideline for the size of humidifier that is required in your steam room. Room construction and traffic will also have an effect on the amount of steam required.

Commercial / Institutional			
Room Size (ft.)	Room Size (cu. ft.)	Approx. # of People	Capacity (lbs/hr)
6 x 8 x 8	384	6 to 8	17
8 x 8 x 8	512	8 to 12	30
8 x 10 x 8	610	12 to 15	45
10 x 10 x 8	800	15 to 18	50
10 x 12 x 8	960	18 to 20	60
12 x 12 x 8	1152	20 to 26	90
Residential			
3 x 4 x 8	96	1 to 2	8
6 x 4 x 8	192	3 to 6	10

At A Glance...



NH Series

- The NH Series is available in outputs of 5-200 lbs/hr
- Flexible installation
- Easy operation
- Provides low initial installation costs
- Operating costs are reduced through efficient steam conversion rates and minimal energy losses due to low hot water drain rates
- Produces clean uncontaminated steam

U.S.A.
Walter Meier (Climate USA) Inc.
 826 Proctor Avenue
 Ogdensburg, NY 13669

CANADA
Walter Meier (Climate Canada) Ltd.
 2740 Fenton Road
 Ottawa, Ontario K1T3T7

TEL: 1.866.667.8321
 FAX: 613.822.7964
 EMAIL: nortec@waltermeier.com
 WEBSITE: www.humidity.com

