Humidity

Relative Humidity Comparison		
5%-15%	25%	35%-55%
Average Home in Winter Months	Sahara Desert	Recommended Home Comfort

Recommended Comfort Level

% Relative Humidity	10	20	30	40	50	60	70	80	90
Bacteria									
Viruses									
Fungi									
Mites									
Respiratory Infections									
Allergic Rhinitis & Asthma									
Chemical Interactions									
Ozone Production									

Recommended Indoor Relative Humidity levels change with the outdoor temperature.

OAT > 35* = 45%
OAT < 25* = 35%
OAT < 10* = 25%

The Truth About Humidification Delivery

Typically, the Gallons Per Day (GPD) is based on a home's heating equipment running 100% of the time, for 24hrs @ 120* F. Since most humidifiers run only when equipment is running (and no equipment runs full-time), they rarely deliver more than 1 gallon of moisture for every 3 gallons that go down the drain. **The ability to control the humidity, and have the humidifier automatically adjust to outdoor conditions and run without requiring the furnace to run; will make all the difference in the quality of humidity and comfort level in your home.** An Outside Air Temperature Sensor (**OATS**), will allow the humidifier to make the proper adjustments automatically.

Type of Humidifier	Humidification Delivery Rate
Steam	(1:1) Claim:12, Delivery: 12, Consumption: 12
Fan Powered	(1:3) Claim: 18, Delivery: 6, Consumption: 24-72
Bypass	(1:4) Claim: 12, Delivery 3, Consumption: 12-48

Steam w/ OATS – 1:1

Fan Powered w/ OATS – 1:2

Fan Powered – 1:3

Bypass – 1:4