

# The Truth About Humidification Delivery

Many whole-house humidifier manufacturers list humidification capacity in gallons per day (GPD), or the amount of moisture they can deliver in a 24 hour period. But how do you know which ones really work and if a home is getting enough moisture?

Comparing humidification delivery is a great place to start.

Typically, the GPD claim is based on a home's heating equipment running 100 percent of the time, for 24 hours a day at 120°F. Since most humidifiers only work when equipment is running (and no equipment runs full-time), they rarely deliver more than 1 gallon of moisture for every three gallons that they claim. Plus, for every one gallon of water that is evaporated, three gallons go down the drain.

Added to this are portable humidifiers that only humidify in the room which they are located, not the whole house. They also need to be constantly re-filled with water, which can be a hassle.

TrueSTEAM™ offers the most reliable, efficient levels of moisture because of its near 1:1 humidification delivery rate, regardless of equipment operation.

TYPE OF HUMIDIFIER	HUMIDIFICATION DELIVERY RATE
Honeywell TrueSTEAM™	<b>(1:1)</b> Claim: 12, Delivery: 12, Consumption: 12
Fan-Powered Humidifiers	<b>(1:3)</b> Claim: 18, Delivery: 6, Consumption: 24-72
Bypass Humidifiers	<b>(1:4)</b> Claim: 12, Delivery: 3, Consumption: 12-48

\* Does not include auto-flush cycle.

## Which Model Do I Need?

Choose the Honeywell TrueSTEAM model that's right for your application using the table below.

SQUARE FEET OF SPACE	500	1000	1500	2000	2500	3000
ARI* Recommended Output Delivery (GPD)	0.1	2.2	4.4	6.5	8.6	11.7
TrueSTEAM HM512 - True 12 Gallons						
TrueSTEAM HM509 - True 9 Gallons						
TrueSTEAM HM506 - True 6 Gallons						

\* ARI Guideline F-2007 for tight, residential four-person home with 8' ceilings. Outdoor conditions — 20° F and 70 percent RH.

TrueSTEAM™ Humidification System	
Part Number	Description
HM512VPIAQ	12-GPD TrueSTEAM™ with VisionPRO® IAQ control
HM512DG115	12-GPD TrueSTEAM with TrueIAQ control
HM509VPIAQ	9-GPD TrueSTEAM with VisionPRO IAQ control
HM509DG115	9-GPD TrueSTEAM with TrueIAQ control
HM509H8908	9-GPD TrueSTEAM with H8908 manual control
HM506VPIAQ	6-GPD TrueSTEAM with VisionPRO IAQ control
HM506DG115	6-GPD TrueSTEAM with TrueIAQ control
HM506H8908	6-GPD TrueSTEAM with H8908 manual control

Accessories	
Part Number	Description
50024917-001	10' remote-mount kit
50024917-002	20' remote-mount kit
50028004-001	Cover
50028003-001	Duct injection nozzle for humidifier
50028001-001	Remote humidifier nozzle
50028002-001	Remote duct nozzle
50020012-001	Mounting bracket
50027997-001	Solenoid valve
50028044-001	In-line water filter
50024895-001	Sediment screen for tank
50020017-001	HM512/HM509 water tank
50025892-001	HM506 water tank
50027998-001	Water level sensor assembly
50022641-001	Wire harness
50024921-001	Latch
32001616-001	Saddle valve

## Configuration Options

**All options below can be configured during installer setup.**

**Automatic Flushing Cycle Options:** After 10, 20 or 30 hours of operational humidifying time.

**Auto End-Of-Season Shutdown Options:** Will empty tank after 48 hours of inactivity.

**Service Timer Options:** Light indicator can blink to clean tank every 12 months.

**5-YEAR WARRANTY**

### Learn More

Call toll-free **1-800-328-5111**

visit <http://yourhome.honeywell.com>,

or e-mail [info@honeywell.com](mailto:info@honeywell.com).

### Automation and Control Solutions

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TrueSTEAM™  
Humidification System

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