SA KLIMA & FUGTTEKNIK

HUMIDI-TECH®

Electric-to-Steam Humidifier

- *Adaptable*
- *Reliable*
- *Easy to maintain*
- *Comprehensive control with Vapor-logic®*

driSteem™

Versatility for finished spaces

HUMIDI-TECH HUMIDIFIER

Humidi-tech humidifiers use heat caused by electrical resistance in submerged heating elements to boil fill water into steam. Humidi-tech is compatible with all water types and numerous dispersion options, including matching Space Distribution Units that can be mounted remotely or on top of the Humidi-tech, as shown above.

The Humidi-tech humidifier is a compact, cabinet-style unit compatible with all water types (tap, softened, deionized, reverse osmosis) and numerous dispersion options. Installation is a snap — just attach the frame to a supporting structure and connect electrical and water services.

Available matching Space Distribution Units disperse steam with no visible vapor trail, making Humidi-tech ideal for use in finished spaces.

VERSATILE

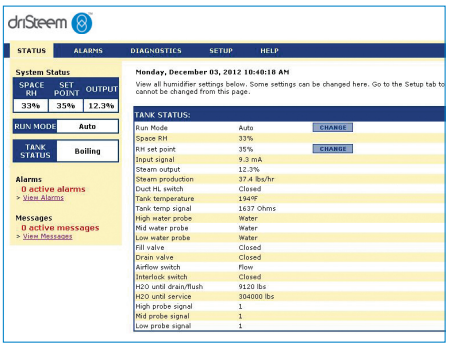
- Uses tap, softened, or RO/DI water
- Capacity from 2.7 to 46 kg/h, link up to 16 units for capacity up to 740 kg/h
- Disperses steam through ductwork with dispersion tubes or panels, or directly into a room with a Space Distribution Unit (SDU) mounted remotely or on top of the Humidi-tech

FLEXIBLE

- Control to ±3% RH
- On-off or time-proportioned (TP) control for application control in most environments; solid-state relay (SSR) option for tight control
- Electronically monitored water level ensures safe and reliable operation

EASY TO MAINTAIN

- Removable cover allows easy access to evaporating chamber and electrical connections
- Softened water significantly reduces maintenance requirements
- End-of-season autodrain minimizes microbial growth
- User-adjustable water skimmer skims off floating minerals
- Controller-operated drain and flush removes precipitated minerals from evaporating chamber
- Constant thermal expansion and contraction of heating elements continuously sheds mineral buildup



COMPREHENSIVE CONTROL WITH VAPOR-LOGIC

Vapormist with Vapor-logic sets new standards for control in electric steam humidification:

Interoperability allows communication with building automation systems via Modbus or with optional BACnet or LonTalk protocols.

Safety presets initiate fill and drain cycles and keep the humidifier cool and safe if sensed conditions, though unlikely, could be hazardous.

Web-enabled control allows you to set up, view, and adjust humidifier functions via Ethernet, either directly or remotely through a network.

Table 3-1:
Humidi-tech electrical specifications, capacities and weights

HT model	Single-phase 230V		Three-phase 400V		Shipping weight (kg)	Operating weight (kg)
kW	Steam capacity (kg/h)	I max. (A)	Steam capacity (kg/h)	I max. (A)		
2	2.5	8.0	—	—	37	44
4	5.0	16.0	5.4	8.7*	37	44
6	7.5	24.0	8.2	13.0*	41	56
8	10.0	31.9	10.9	17.3*	41	56
10	12.5	39.9	13.6	15.2*	43	64
12	15.0	47.9	16.3	17.3	43	64
14	—	—	19.1	20.2	43	64
16	—	—	21.8	23.1**	43	64
21	—	—	28.6	30.3**	44	70
25	—	—	34.0	36.1**	44	70
30	—	—	40.8	43.3**	47	72
34	—	—	46.3	49.1**	47	72

* For wire sizing, the highest leg draw is shown due to current imbalance.
** No available SDU option for these models.

Notes:

- SDU-I is available for Models HT-2 through HT-10.
- SDU-E is available for all models, except Model HT-2 and Models HT-16 through HT-34.
- Models with the SDU option have additional electronic components in the Humidi-tech cabinet. If adding an SDU, add the following to the Humidi-tech shipping and operating weights:
  SDU-E: 5.5 kg
  SDU-I: 4.0 kg
- All Humidi-tech humidifiers operate at 50/60 Hz.
- SDUs ship separate from the Humidi-tech.

DriSteem Corporation
A subsidiary of Research Products Corporation
DriSteem U.S. operations are ISO 9001:2015 certified

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Continuous product improvement is a policy of DriSteem Corporation; therefore, product features and specifications are subject to change without notice.

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EXPECT QUALITY FROM THE INDUSTRY LEADER
For more than 45 years, driSteem has been leading the industry with creative and reliable humidification solutions. Our focus on quality is evident in the construction of the Humidi-tech humidifier. driSteem leads the industry with a Two-year Limited Warranty and optional extended warranty.

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For the most recent product information visit our website:
www.dristeem.com

Your DriSteem Distributor is:

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