



GTS® HUMIDIFIER

Gas-to-Steam Humidifier
LX series

- *Condensing design provides for highest efficiency and PVC venting*
- *Ultra-low NOx and high efficiency in a single design*
- *5:1 turndown ratio for accurate humidity control*
- *Universal water control for use with any water type*
- *Space saving design, for ease of installation and placement flexibility*

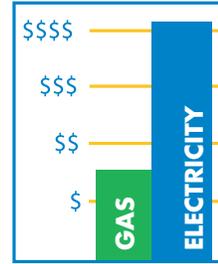
Save with gas humidification

GAS HAS LOWEST ENERGY OPERATING COSTS

The industry's first and best-selling gas-to-steam (GTS®) humidifier continues to be your best choice for reducing energy costs.

The new condensing design of the GTS humidifier LX series results in the highest efficiency gas-fired humidifier available. Installation costs are also reduced through use of PVC, CPVC, or polypropylene venting.

To calculate how much you can save by switching from an electric humidifier to a gas humidifier, use our Energy Savings Calculator at www.dristeem.com.



FEATURES OF THE GAS-TO-STEAM HUMIDIFIER LX SERIES

- **Four models** to fit application exact demand, between 50 – 150 lbs/hr (23 – 68 kg/h).
- **Ultra-low NOx** and **high efficiency** in one product.
- **5:1 turndown** for accurate humidity control through a wide range of load conditions.
- Adjusts drain intervals automatically based on **water quality**.
- Easy firmware updates through the USB port on the **Vapor-logic board**.
- **Space saving design**, for ease of installation and placement flexibility.
- **Full operational data** viewable from the keypad or Web interface.
- **Accurate, responsive**, adjustable RH control due to full burner modulation and PID control.
- **Capacity range up to 2,400 lbs/hr** (1,089 kg/h) (16 units under one controller).
- **Automatically cools discharged hot water** to 140 °F (60 °C) to meet governing code safety requirements.
- **Enclosures for virtually any environment**. Indoor and outdoor; factory-installed.
- **Full service access**. Lift-off panels provide easy access to all connection points.



CONVENIENT WEB-ENABLED REMOTE ACCESS WITH VAPOR-LOGIC

DriSteem's Vapor-logic® controller allows, as standard, humidifier control from a keypad or from a Web interface. This provides the capability to securely set up, view, or adjust humidifier system functions from virtually anywhere — and at any time.

CONNECT WITH BACNET®, MODBUS®, OR LONTALK®

GTS humidifiers are fully interoperable with building automation systems using BACnet, Modbus, or by using optional LonTalk systems.

PROVEN PERFORMANCE

- Up to 94% thermal efficiency
- Control to $\pm 3\%$ RH
- Low nitrogen oxide (NOx) emissions certified to SCAQMD 1146.2 standards
- On-board diagnostics verify system operation
- Variable-speed blower, modulating gas valve, and precision water fill provides consistent humidity output

APPLICATION FLEXIBILITY

- DriSteem's high-efficiency GTS humidifier incorporates universal water control for use with any water type. There is no need to change the control configuration based on water type when ordering equipment or retrofitting to fit new water sources in the field.
- Operates on natural or LP gas
- Outdoor enclosure available for operation in any climate
- Requires only two-sided access, allowing installation in tight spaces
- Horizontal or vertical venting
- Condensing design allows for PVC, CPVC, or polypropylene venting



MINIMAL MAINTENANCE

- Clean-out plate and removable panels provide easy access for inspection and servicing
- End-of-season auto drain minimizes microbial growth
- Automated drain and flush removes precipitated minerals from evaporating chamber
- Easy water level control access



BUILT-IN SAFETY

- ETL approved for sealed combustion
- Self-contained infrared gas burner provide safety and reliability
- Gas valve closes if the flue becomes blocked, shutting down humidifier operation
- Low-water sensing mechanism with redundant backup shuts down burners in a low water condition
- Freeze protection

Table 3-1:

GTS models, capacities, electrical specifications, and weights (North American models)

GTS model	Maximum steam capacity		Input			Water usage at maximum capacity**		Tank volume		GTS humidifier LX series				LX series with outdoor enclosure				Full load amps*	
										Operating weight		Shipping weight		Operating weight		Shipping weight			
	lbs/hr	kg/h	MBh	kW	m ³ /h	gals/hr	litres/hr	gals	litres	lbs	kg	lbs	kg	lbs	kg	lbs	kg	120V 60 Hz	230V 50 Hz
LX-50	50	23	61	17.8	1.7	6	22.7	16	61	420	190	187	85	595	270	362	164	1.5	1
LX-75	75	34	91.5	26.8	2.5	9	34	14	53	413	187	197	89	588	267	372	169	1.5	1
LX-100	100	45	122	35.5	3.4	12	45.4	28	106	473	215	240	109	648	294	415	188	2	1.5
LX-150	150	68	183	53.5	5.1	18	68.1	26	98	466	211	250	113	641	291	425	193	2	1.5

* Add 15 full load amps for Outdoor Enclosure heater load on all LX models, add 1 full load amp for an Outdoor Enclosure without heaters.

** Add 10% to account for skim and automatic drain/flush features if utilized (tap/softened water units only).

DRI-STEEM Corporation

a subsidiary of Research Products Corporation
DriSteem is an ISO 9001:2008 certified company

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

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EXPECT QUALITY FROM THE INDUSTRY LEADER

Since 1965, DriSteem has been leading the industry with creative and reliable humidification solutions. Our focus on ease of ownership is evident in the construction of the GTS 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