

Introduction: LMHD, LMHDT

Krueger's dual duct terminals are designed to maintain optimal temperature control in the conditioned zone by varying the air volume supplied by the hot and cold supply ducts while providing the proper discharge air temperature. Dual duct terminals can also be used in fresh air applications where ventilation air must be monitored. One inlet can be a dedicated ventilation inlet. A wide variety of pressure independent pneumatic, analog, and factory mounted direct digital controls are available for variable or constant volume applications.

Krueger offers two styles of dual duct units to accommodate a variety of product applications:

The model LMHD provides a compact design ideally suited for variable volume applications where blending of the hot and cold air is not required.

Hot and cold airstreams are controlled by inlet airflow sensing for pneumatic, analog, or direct digital control arrangements.

The model LMHDT is designed for those specific applications where temperature control is critical. This unit features an integral attenuator and hot/cold airstream mixing chamber for precise discharge temperature control. The LMHDT performs with a 20:1 air temperature mixing ratio in most conditions.

Hot and cold airstreams are controlled by inlet airflow sensing for variable volume control or a combination of inlet airflow sensing and discharge sensing for constant volume control with pneumatic, analog, or direct digital control arrangements.

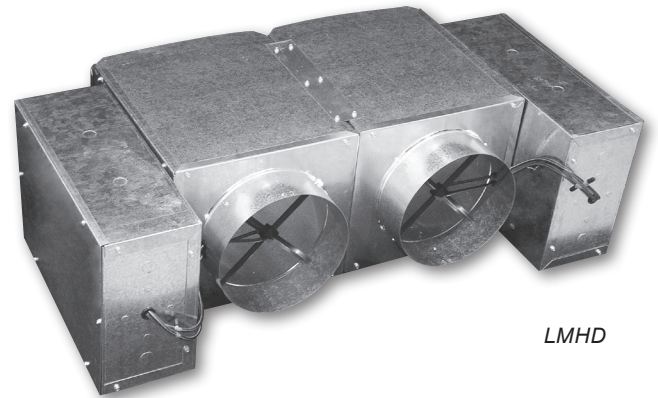
MODELS

LMHD - Variable Volume, Dual Duct Terminal Unit

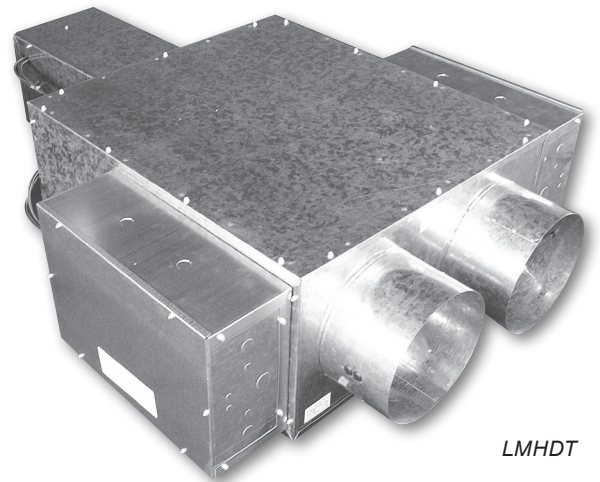
LMHDT - Variable or Constant Volume, Dual Duct Terminal Unit

FEATURES

- 22 Gage galvanized steel casing construction with an optional 20 gage casing for strength and product durability.
- AHRI tested with certified performance data in accordance with AHRI Standard 880.
- Suitable for low, medium, or high pressure applications; capable of operating throughout a wide range of HVAC systems.
- Multiple liner options (depending on model) to provide quiet and clean operation.
- Airflow capacities range (from 40 to 7000 CFM for model LMHD) and (from 90 to 3660 CFM for model LMHDT) to allow airflow control for commercial applications.
- Round inlet sizes range from 4" to 16" diameter for model LMHD and LMHDT and are slightly undersized to fit standard spiral and flex duct for quick installation; model LMHD, size 22 provides a rectangular duct connection.
- LMHDT offers unequal inlet size combinations for a flexible design. See chart above.
- Square/Rectangular discharge connections provide a quick and easy connection to downstream ductwork.
- Pressure independent pneumatic, analog, and direct digital controls can be customized for many building systems.
- Multi-point, four quadrant, center averaging sensor or optional, linear averaging velocity sensor offers low resistance to airflow while amplifying the signal to the damper controllers.
- Gasketed volume control damper operating over a full 90° range and provides low leakage at the shutoff position.
- Compact unit casing sizes accommodates installation in reduced ceiling plenum space.
- Revit models are available at www.krueger-hvac.com/revit.



LMHD



LMHDT

LMHDT INLET SIZE OPTIONS

Unit Size	Available Inlets										
	4	5	6	7	8	9	10	12	14	16	
4	•										
5	•	•									
6	•	•	•								
7	•	•	•	•							
8	•	•	•	•	•						
9	•	•	•	•	•	•					
10	•	•	•	•	•	•	•				
12				•	•	•	•	•			
14				•	•	•	•	•	•		
16				•	•	•	•	•	•	•	

Dot indicates available inlet size.