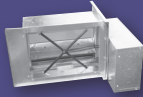
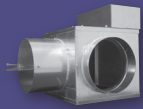


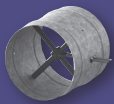
**RVE**  
This retrofit terminal unit is designed to convert high pressure mechanical constant volume systems to low pressure variable volume systems and also used in exhaust, non reheat, or other supply applications requiring a round to round duct connections.



**SVE**  
This slide-in, retrofit terminal unit is designed to convert constant volume or booster coil systems into modern, energy efficient variable air volume systems with low installation costs.



**KLB**  
This unit is designed to maintain optimum occupant comfort by varying the amount of cold air from the constant volume air handler and bypassing the excess cooling air into the ceiling plenum or return air duct.



**KMS**  
The Krueger Measuring Station (KMS) is designed to accurately measure airflow with a linear or four-quadrant multi-point differential pressure sensor in round duct applications.

**RVE**

Introduction & Unit Capacities ..... D2-3  
 Product Description & Selection Guidelines ..... D2-4  
 Retrofit Procedures ..... D2-5  
 Dimensional & Product Information ..... D2-6  
 Performance Data ..... D2-7  
 Control Information ..... D2-9  
 Engineering Specification ..... D2-10

**SVE**

Introduction & Unit Capacities ..... D2-11  
 Product Description & Selection Guidelines ..... D2-12  
 Application Information ..... D2-13  
 Unit with Electronic Controls Dimensional & Product Information ..... D2-14  
 Sensor Signal Chart ..... D2-15  
 Performance Data ..... D2-16  
 Control Information ..... D2-18  
 Engineering Specification ..... D2-19

**KLB**

Introduction, Product Description, & Unit Capacities ..... D2-20  
 Unit with Pneumatic Controls Dimensional & Product Information ..... D2-21  
 Unit with Electric Controls Dimensional & Product Information ..... D2-22  
 Performance Data & Control Information ..... D2-23  
 Engineering Specification ..... D2-24

**KMS**

Introduction, Product Description, Unit Capacities, & Dimensional Information .. D2-25  
 Engineering Specification ..... D2-26

## Introduction: KMS

The Krueger Measuring Station, model KMS, is designed to accurately measure airflow with a linear or four-quadrant multi-point differential pressure sensor. The KMS is designed to be installed in round duct work upstream of existing mechanical constant volume units, pressure dependent terminal units, or any other application requiring air flow measurement in round duct work.

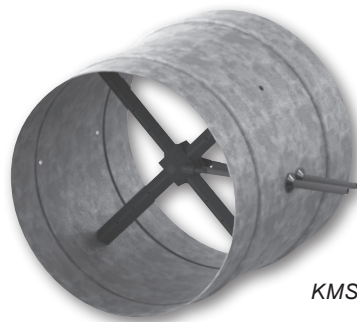
### MODEL

KMS - Krueger Measuring Station

### FEATURES

- Round duct sizes 4" to 16" available.
- 22 Gage galvanized steel construction with optional 20 gage galvanized steel and stainless steel providing additional strength and durability.
- Airflow capacities from 40 to 3660 CFM Providing airflow measuring for most applications.
- LineaCross four-quadrant, multi-point center averaging sensor offers low resistance to airflow while providing an amplified velocity pressure signal. Optional linear, multi-point averaging velocity sensor.

\* Value is based on a signal of 0.03" WG differential pressure of the inlet sensor. Minimum may be 0.



KMS

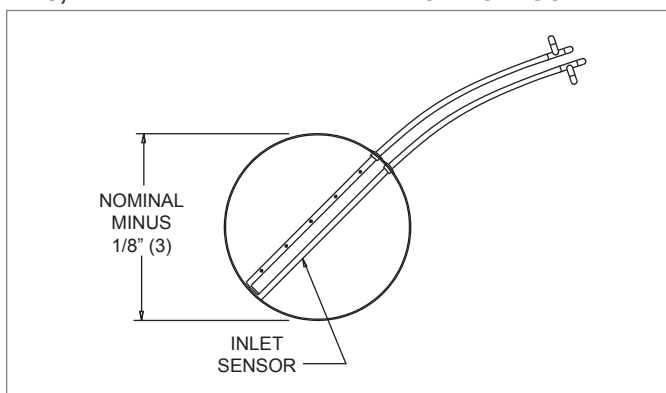
## KMS Unit Capacities

### KMS, UNIT CAPACITIES

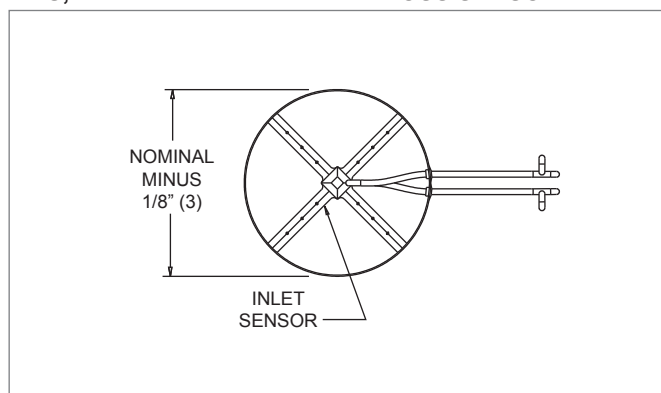
Inlet Size	Airflow CFM [L/s]	
	Max.	Min.*
04	230 [109]	40 [19]
05	360 [170]	62 [29]
06	515 [243]	89 [42]
07	700 [330]	121 [57]
08	920 [434]	159 [75]
09	1160 [547]	201 [95]
10	1430 [675]	248 [117]
12	2060 [972]	357 [168]
14	2800 [1321]	486 [229]
16	3660 [1727]	634 [299]

## KMS Dimensional Information

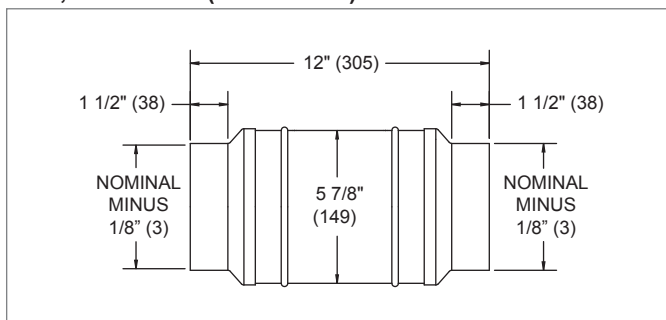
### KMS, INLET VIEW WITH LINEAR PROBE SENSOR



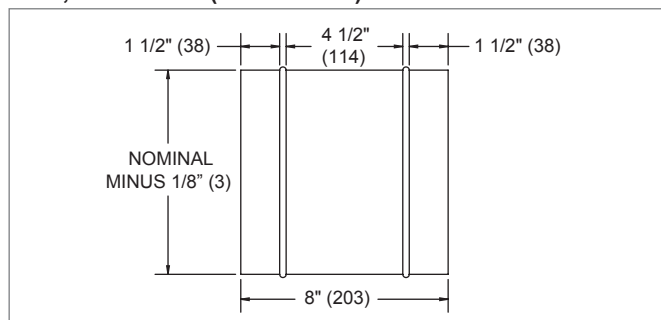
### KMS, INLET VIEW WITH LINEACROSS SENSOR



### KMS, SIDE VIEW (SIZES 4 & 5)



### KMS, SIDE VIEW (SIZES 6 - 16)



NOTE: Dimensions in parentheses are mm.

**KMS Suggested Specification & Configuration**

**KMS**

Furnish and install Krueger Model KMS measuring stations of the sizes and capacities shown on the plans.

The unit casing shall be constructed of 22 gage galvanized steel.

- **(Optional)** 20 gage Galvanized Steel: Unit casing shall be constructed of not less than 20 gage galvanized steel.
- **(Optional)** 304 Stainless Steel: Unit casing shall be constructed of 22 gage 304 stainless steel.

Provide a linear, multi-point, velocity averaging sensor with an amplified signal.

- **(Optional)** Provide a K4 LineaCross, four quadrant, multi-point center averaging sensor with a minimum of 12 total pressure sensing ports. The sensor shall provide a control signal accuracy of ±5%.

Provide balancing taps to allow for easy airflow verification.

- 1. SERIES: (XXX)**  
KMS - Krueger Measuring Station
- 2. INLET CODE: (XX)**  
04 - 4"  
05 - 5"  
06 - 6"  
07 - 7"  
08 - 8"  
09 - 9"  
10 - 10"  
12 - 12"  
14 - 14"  
16 - 16"
- 3. SENSOR TYPE: (X)**  
1 - Linear Averaging  
3 - K4 LineaCross (Four Quadrant, Standard)
- 4. UNIT CASING CONTROLS: (X)**  
0 - 22 Gage  
2 - 20 Gage  
4 - 304 Stainless Steel

RETROFIT/BYPASS TERMINAL UNITS

**SAMPLE CONFIGURATION: KMS - 08 - 3 - 0**