



MAK Inline™ + MCI™

9" or 14" HVAC Probes



SIZING CONSIDERATIONS

Sizing the MAK Inline™ + MCI™ HVAC Probe is frequently based on cubic footage; however, the professional doing the sizing should not rely exclusively on this formula. Each indoor environment is different and even the same environment, when factors change, can contain a different level of contaminants. Please use these sizing suggestions to start thinking about how to address “normal” living conditions. More technology might be needed based on many factors →

Sizing Factors

- Number of Occupants
- Pets or Animals
- Landscape Features
- Carpeting vs. Tile vs. Wood Flooring
- Leather vs. Fabric Furniture
- Draperies
- Air Flow and Ventilation
- Placement of Supply Registers
- Number and Placement of Return Registers
- Recent Renovations or Additions
- Use of the Building (Commercial/Residential)
- Majority Age of Occupants
- Air Infiltration Concerns
- Nature of the Contents
- Building Use by Hours
- Cleaning Schedule and Maintenance
- Turnover Traffic Level
- Type of Ductwork

SIZING SUGGESTIONS

RETURN Plenum: Suggest one 16K unit to help keep the “A” coil clean. (You may consider an MCI™ MINI-4 Unit with 2 DBI cells as an excellent option.)

SUPPLY Plenum: A 24K unit fits many standard residences. See chart below for suggestions based on cubic footage of the indoor environment.

NOTE: Especially with the 14”, make sure the HVAC plenum is large enough to accommodate its length.

Where To Start / Sizing by Square Footage

Unit Size	Cubic FT	Airflow	Air Handler	SQ FT w/ 8' Ceiling	SQ FT w/ 10' Ceiling
9" 16K	Up to 16,000	400-1200cfm	1-3 tons	Up to 2,000	Up to 1,600
9" 24K	Up to 24,000	1200-2000cfm	3-5 tons	2,000 to 3,000	1,600 to 2,400
9" 40K	Up to 40,000	2000-4000cfm	5-10 tons	3,000 to 4,500	2,400 to 4,000
14" 28K	Up to 28,000	1600-2400cfm	4-6 tons	Up to 3,500	Up to 2,800
14" 42K	Up to 42,000	2400-4400cfm	6-11 tons	3,500 to 5,250	2,800 to 4,200
14" 58K	Up to 58,000	4400cfm+	11+ tons	5,250 to 7,250	4,200 to 5,800