Best Living Systems

MCI SynAIRgPure™

MINI-4 for HVAC

SIZING

CONSIDERATIONS

Sizing the MCI™ SynAIRgPure MINI-4 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 SUGGESTIONS

RETURN Plenum: Suggest one MINI with two (2) DBI cells to help keep the "A" coil clean.

SUPPLY Plenum: Suggest one (1) DBI cell for every 8,000 to 12,000 cubic feet of indoor coverage area. If duct work extends further than 60 feet from the cell, addition cells may be needed, an additional probe placed closer to the supply register(s) or supplemental stand-alone units in the environment.

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

Where To Start / Sizing by Square Footage

# DBI cells	Cubic FT	Airflow	Air Handler	SQ FT w/ 8' Ceiling	SQ FT w/ 10' Ceiling
1	Up to 8,000 to 12,000	400-1000cfm	1-3 tons	1,000 to 1,500	800 to 1,200
2	Up to 16,000 to 24,000	1000-2000cfm	3-5 tons	2,000 to 3,000	1,600 to 2,400
3	Up to 24,000 to 36,000	1600-2800cfm	4-6 tons	3,000 to 4,500	2,400 to 3,600
4	Up to 32,000 to 48,000	2400-3200cfm	6-8 tons	4,000 to 6,000	3,200 to 4,800