AcuAir provides control options for your process room hygienic air-handlers. Choose from four levels of control, that best suits your needs.

Factory Supplied Motor Starters (control by others)

- Full Voltage or Variable Speed starters in NEMA 4, 4X, or 3R enclosures
- Factory mounted and wired to the motor(s)

JCI Series 450 Controls

- Basic modular controls for the simple Makeup Air Units (MAU)
- Air-handler can be supplied with factory-mounted, full-voltage starters
- Remote panel for Hand/Off/Auto control with status is required.

AcuAir Quantum™LX Microprocessor Control

- Frick's time-proven, flagship controller
- Air-handler can be supplied with factory-mounted, full-voltage or variable speed starters. Variable speed starters are also available with full-voltage bypass
- High speed Ethernet communication provides easy access from any computer on the network
- Capable of controlling most food process air-handling requirements and is field configurable
- Years of application and engineering experience, along with the voice of our customers, is *Built-in* to today's program
- Uses all the same hardware as the Quantum™LX panels on your compressors, condensers, vessels and evaporators
- Interfaces with common industrial Ethernet protocols including ModBus TCP and AB EtherNet/IP
- A remote panel for Hand/Off/Auto control with status can be provided.

Allen-Bradley CompactLogix PLC

- Custom programmed controls to meet nontypical customer requirements
- Air handler can be supplied with factory-mounted, full-voltage and variable speed Starters. Variable speed starters are also available with full-voltage bypass
- A remote panel for Hand/Off/Auto control with status can be provided

Web Browser Access With Network Computer

Remote Hand/Off/Auto Control Panel

Frick®

BY JOHNSON CONTROLS

	Quantum LX (Standard)	JCI Series 450 (Basic MAU Only)	Allen-Bradley CompactLogix (Custom)
Enclosure			
NEMA 4 or 4X Enclosure	Yes	Yes	Yes
NEMA 4 or 4X Cold Climate Enclosure	Yes	Yes	Yes
NEMA 3R Enclosure (VFD Starters)	Yes	N/A	Yes
Motor Starters			
Full-Voltage Supply Fan	Yes	Yes	Yes
VFD Supply Fan	Yes	No	Yes
Full-Voltage Exhaust Fans	Yes	N/A	Yes
VFD Exhaust Fans	Yes	N/A	Yes
Controller			
Main Controller	Quantum Motherboard	Individual Series 450 Modules	CompactLogix L32E
Manual / Off / Automatic Outputs	Software	No	Software
Field Connection Terminal Strips	Yes	Yes	Yes
Communication Protocol			
Modbus TCP (Ethernet)	Yes	No	No
Allen-Bradley Ethernet/IP (Ethernet)	Yes	No	Yes
Frick ASCII (Serial)	Yes	No	No
A/B DF-1 Half Duplex (Serial)	Yes	No	Yes
A/B DF-1 Full Duplex (Serial)	Yes	No	Yes
Modbus ASCII (Serial)	Yes	No	Yes
Modbus RTU (Serial)	Yes	No	No
Room Mounted Remote Panel			
Ship Loose Fiberglass Reinforced Plastic	Yes	Yes	Yes
Ship Loose Stainless Steel	Option	Option	Option
Availability Without a Remote Panel	Option	No	Option
Web Accessible User Interface			
Panel Door Screen	No	No	No
Remote Mount Touch Interface Panel	Option	No	Required
Web Server	Yes	No	Option
Customer Supplied PC (Ethernet Interface)	Yes	No	Yes
Processes Supported			
Remote Start-Stop	Y	Y	Y
Direct-Fired Gas	Y	Y	Y
ID Fired Heat	Y	Y	Y
Hot Gas Heating (2 Stage)	Y	Y	Y
Process Room Clean-up	Y	N	Y
Desiccant Wheel	Y	N	Y
Enthalpy Wheel	Y	N	Y
Smart Heat	Y	N	Y
Economizer (Smart Cool)	Y	N	Y
Sequential Defrost	Y	N	Y
Pre-Cooling Coil	Y	N	Y
VFD Main Blower Control	Y	N	Y
VFD Exhaust Fans - Room Pressure	Y	N	Y
Hot Gas Reheat (Humidity Control)	Y	N	Y
Room Pressure Control	Y	N	Y
Room Temperature Control	Y	N	Y
Discharge Temperature Control	Y	Y	Y