Agility™
Equipment Controllers

Make the right control moves at the right time with *Agility* stand-alone refrigeration equipment controllers.

Four different equipment controllers.
One stand-alone solution for success.

Agility's equipment-specific controllers are ready "out of the box." They are field configurable from any wireless Wi-Fi or Ethernet connected web browser device such as a smart phone, tablet, or computer.

Scalable from a single unit to a large, distributed control system, Agility™ network features support entire refrigeration system monitoring and control from a central computer, SCADA, or PLC platform.
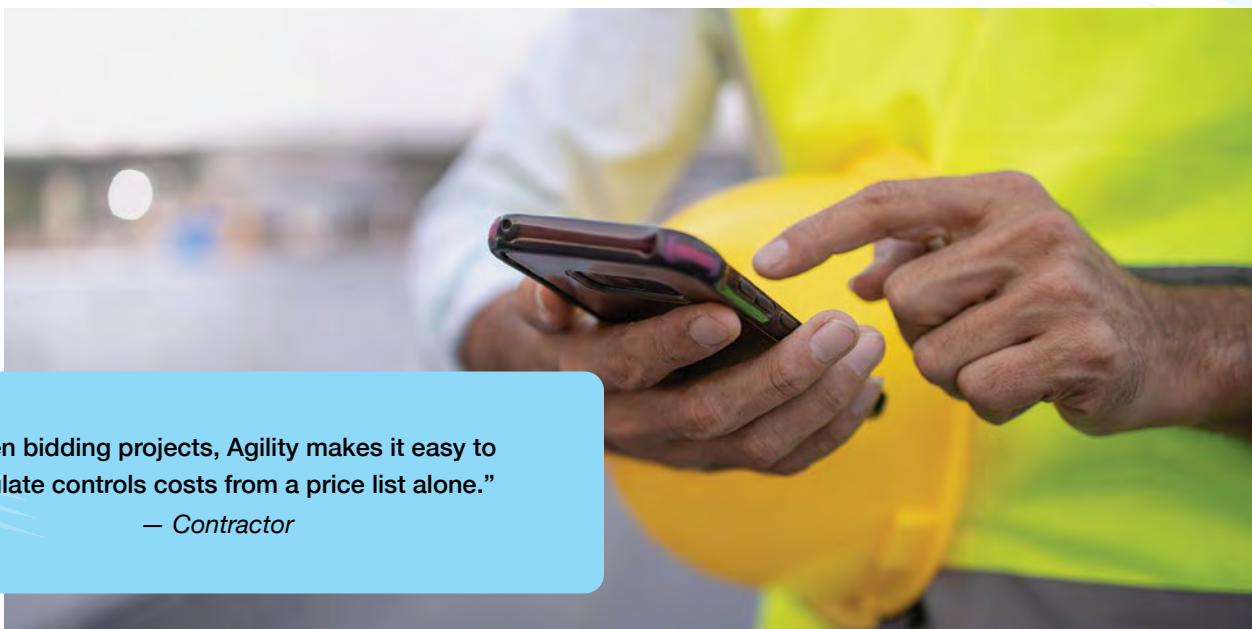
Agility is easily integrated into the Logix Axiom III control platform for plant-wide refrigeration equipment coordination, energy efficiency and demand management.

Benefits

- Utilizes Logix's Clarity refrigeration management software

- Cost-effective solutions for modernizing existing facilities

- Built on proven Axiom™ technology, suitable for harsh industrial environments

- Animated hi-def graphics adjusts to match field configuration changes

- Web browser graphical operator interface for use with PCs, tablets, laptops, and smart phones

- "Plug 'n Play" easy field configuration and set up

- Field updatable through USB port to keep current with refrigeration technology

- Online help and documentation (wiring, installation, setup & operation)

Common Features

- Networked (via ethernet or wireless Wi-Fi) into a distributed control system

- Open Modbus (Serial RTU & Ethernet) Monitoring and control communications for third-party PLC or SCADA integration

- Four 4-20ma analog inputs & two 4-20ma analog outputs

- Eight 120VAC solid-state digital relays (digital inputs/outputs)

- Isolated digital relays, RS-485 serial port and analog outputs for harsh industrial environments

- UL listed for industrial control

- 12" x 12" x 7" UL Listed Type 4 Enclosure

- Optional panel mounted 7" color touchscreen display available

"When bidding projects, Agility makes it easy to calculate controls costs from a price list alone."
— *Contractor*

Agility™ Condenser Controller

- Supports wet-bulb approach pressure control

- Provides user-adjustable equipment lead list, modes and control settings with cold temperature protection

- Controls fans (VFD and single-speed) and pumps, monitors fan faults, and energizes alarm annunciator

- Sensor Inputs include condenser pressure, outside air temperature and relative humidity, plus an optional condensate temperature

Agility™ Vessel Controller

- Control one vessel with two refrigerant pumps

- Monitor a continuous level and maintain vessel level

- Auto backup pump control and anti-cavitation protection for two pumps

- Emergency shutdown input and alarm output

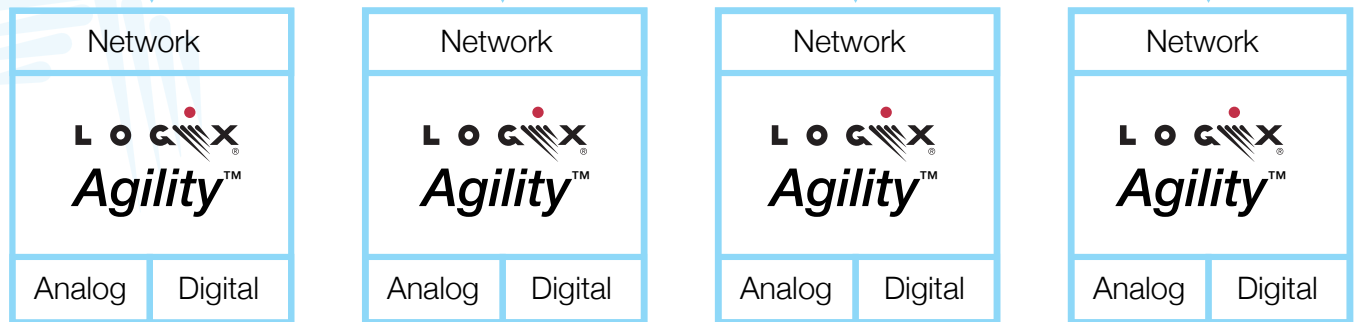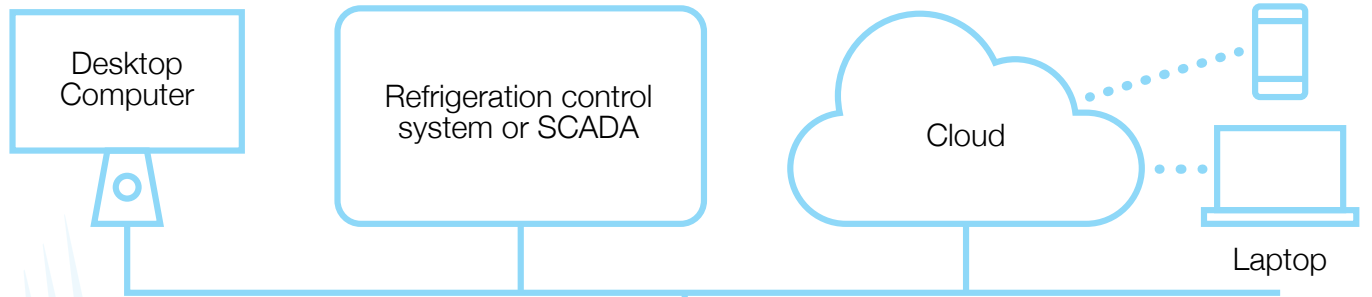- Integral 24VDC power for motorized feed valve (Danfoss, Parker R/S and Hansen types)

Agility™ Evaporator Controller

- Supports a variety of defrost valve configurations and allows for user-customized valve configurations

- Fan cycling and VFD Fan speed control

- Modulated DX liquid valve with superheat option

- Controls valves, fan (VFD and single-speed), and alarm annunciator

- All valves field configurable as open or closed when energized

- Sensor inputs include return air temperature, plus suction temperature and pressure for optional motorized or pulse width DX superheat control (contact Logix for stepper valve control)

Agility™ EPCS Controller

- Designed to comply with IIAR-2 Appendix I

- Overpressure bypass control

- Controls for two suction zone systems

- Power and pressure trip pilot lights for at-a-glance status

- Pressure transducer protection provided

- Alarm output to a remote monitored location

- Flexible trip pressure adjustment

LOGIX

Smart Phone

Desktop Computer

Refrigeration control system or SCADA

Cloud

Laptop

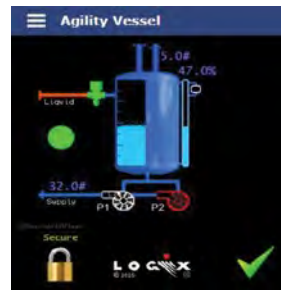| Network	Network	Network	Network
LOGIX *Agility*™	LOGIX *Agility*™	LOGIX *Agility*™	LOGIX *Agility*™
Analog	Digital	Analog	Digital	Analog	Digital	Analog	Digital

Condenser Controller

Evaporator Controller

Vessel Controller

EPCS Controller

"Agility helps me stay within budget while positioning our facility for future control needs."

— *Warehouse Manager*

LOGIX

logix-controls.com