PRODUCT
CATALOG
v236

ANTEC *controls*
by **price**

We offer Venturi Valves, High Accuracy Terminals and standard VAV airflow control devices to meet the needs of all critical spaces

WHO WE ARE

At Antec Controls, occupant safety is our top priority. We manufacture innovative critical controls products that allow healthcare industry professionals to perform their jobs without worry. Our high-performance, high-quality room pressurization solutions ensure the safety of occupants in critical spaces where advancements to health and wellness are made.

LOW LEAD TIMES

+ A focus on vertical integration in our manufacturing facilities allows us to maintain our low lead times.

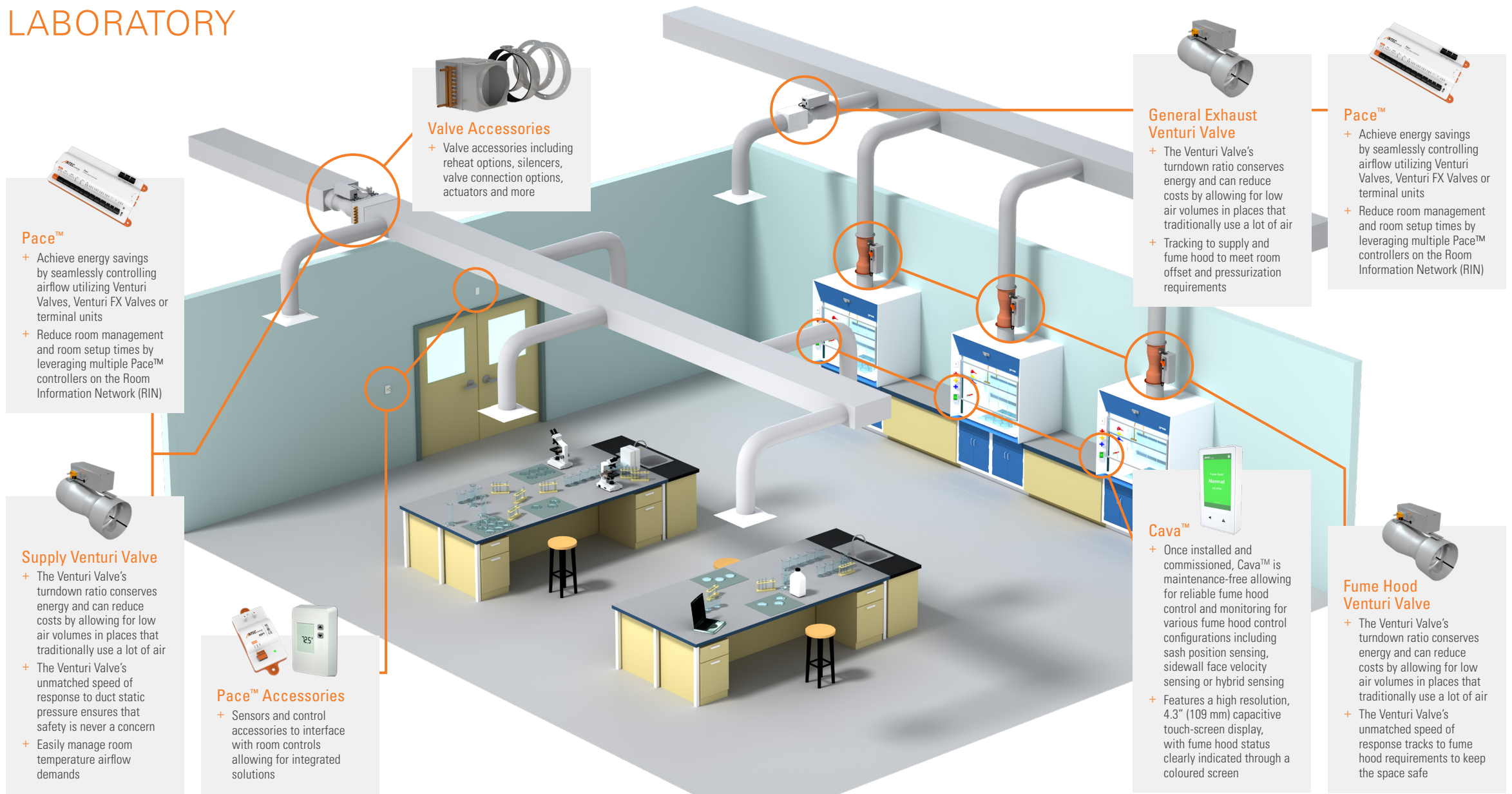+ On top of one of the fastest standard lead times in the industry, quick ship options are available upon request.

TRANSPARENCY

+ Customers have easy access to up to date product and application information directly through our website.

+ Training is available to any facilities staff on how to properly install, use and troubleshoot our products, giving customers the autonomy and confidence to work with our products.

ENERGY SAVINGS

Building maintenance costs are growing as energy costs increase. Our products help reduce usage and save costs for Owners.

+ Setback or Unoccupied modes allow end users to schedule reduced airflows which helps to reduce energy usage.

+ With high turndown rates, laboratory and healthcare spaces can have their supply and exhaust air volumes drastically reduced while still maintaining accurate control.

LABORATORY

Valve Accessories
+ Valve accessories including reheat options, silencers, valve connection options, actuators and more

Pace™ (left)
+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units
+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Supply Venturi Valve
+ The Venturi Valve's turndown ratio conserves energy and can reduce costs by allowing for low air volumes in places that traditionally use a lot of air
+ The Venturi Valve's unmatched speed of response to duct static pressure ensures that safety is never a concern
+ Easily manage room temperature airflow demands

Pace™ Accessories
+ Sensors and control accessories to interface with room controls allowing for integrated solutions

General Exhaust Venturi Valve
+ The Venturi Valve's turndown ratio conserves energy and can reduce costs by allowing for low air volumes in places that traditionally use a lot of air
+ Tracking to supply and fume hood to meet room offset and pressurization requirements

Pace™ (right)
+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units
+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Cava™
+ Once installed and commissioned, Cava™ is maintenance-free allowing for reliable fume hood control and monitoring for various fume hood control configurations including sash position sensing, sidewall face velocity sensing or hybrid sensing
+ Features a high resolution, 4.3" (109 mm) capacitive touch-screen display, with fume hood status clearly indicated through a coloured screen

Fume Hood Venturi Valve
+ The Venturi Valve's turndown ratio conserves energy and can reduce costs by allowing for low air volumes in places that traditionally use a lot of air
+ The Venturi Valve's unmatched speed of response tracks to fume hood requirements to keep the space safe

Additional Antec Controls products are available for this application. Learn more at **AntecControls.com/products**

OPERATING ROOM

Pace™

+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units
+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Valve Accessories

+ Valve accessories including reheat options, silencers, valve connection options, actuators and more

Exhaust Venturi FX Valve

+ The Venturi FX Valve's low pressure drop allows for facilities to achieve higher energy and cost savings
+ With the ability to easily integrate VFX into systems currently using terminal units, the VFX can help design stay simple while saving money

Pace™

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+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

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Multi-Variable Monitor

+ Reach all of your critical room information in one location
+ Save time with simple integration into the Building Management System (BMS) with an integration with BACnet
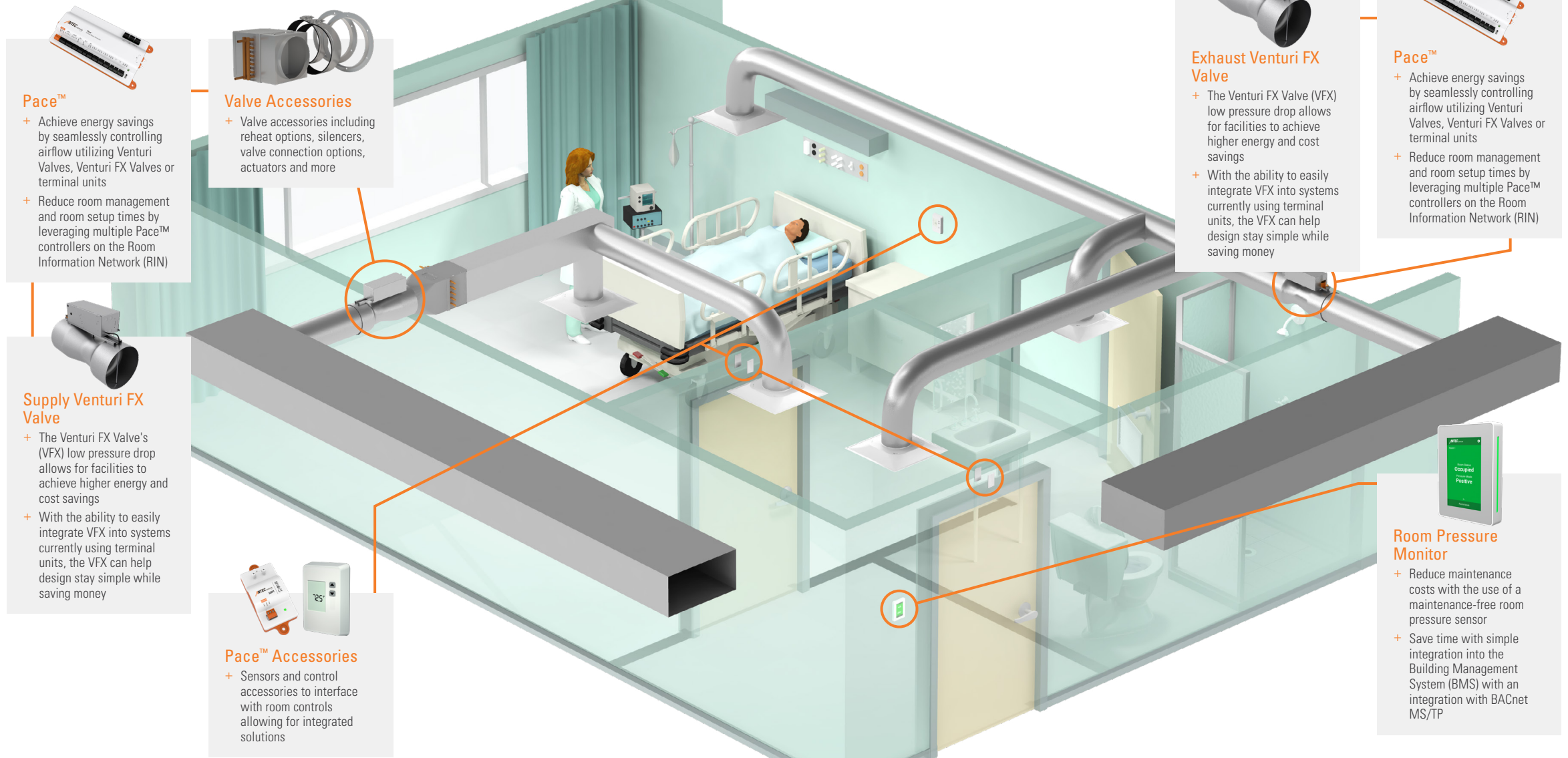
Pace™ Accessories

+ Sensors and control accessories to interface with room controls allowing for integrated solutions

Room Pressure Monitor

+ Reduce maintenance costs with the use of a maintenance-free room pressure sensor
+ Save time with simple integration into the Building Management System (BMS) with an integration with BACnet

ISOLATION ROOM

Pace™

+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units
+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Valve Accessories

+ Valve accessories including reheat options, silencers, valve connection options, actuators and more

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+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Room Pressure Monitor

+ Reduce maintenance costs with the use of a maintenance-free room pressure sensor
+ Save time with simple integration into the Building Management System (BMS) with an integration with BACnet MS/TP

PHARMACY

Pace™
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+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Valve Accessories
+ Valve accessories including reheat options, silencers, valve connection options, actuators and more

Bio-safety Cabinet Venturi Valve
+ Medium (0.6 - 3.0 in. w.c., 149 - 747 Pa) or low (0.3 - 3.0 in. w.c., 75 - 747 Pa) pressure operation
+ Characterized using NVLAP accredited test stations (Lab Code: 201067-0)
+ Operating pressure feedback

Supply Venturi Valve
+ The Venturi Valve's turndown ratio conserves energy and can reduce costs by allowing for low air volumes in places that traditionally use a lot of air
+ The Venturi Valve's unmatched speed of response to duct static pressure ensures that safety is never a concern

Room Pressure Monitor
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Pace™
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+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

RETROFIT

Pace™

+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units

+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Supply Venturi Valve Retrofit

+ Upgrade control hardware to improve controllability while using the same mechanical device

+ Reduce installation costs by eliminating sheet metal services

+ Easily manage room temperature airflow demands

Pace™ Accessories

+ Sensors and control accessories to interface with room controls allowing for integrated solutions

General Exhaust Venturi Valve Retrofit

+ Upgrade control hardware to improve controllability while using the same mechanical device

+ Tracking to supply and fume hood to meet room offset and pressurization requirements

Pace™

+ Achieve energy savings by seamlessly controlling airflow utilizing Venturi Valves, Venturi FX Valves or terminal units

+ Reduce room management and room setup times by leveraging multiple Pace™ controllers on the Room Information Network (RIN)

Cava™

+ Once installed and commissioned, Cava™ is maintenance-free allowing for reliable fume hood control and monitoring for various fume hood control configurations including sash position sensing, sidewall face velocity sensing or hybrid sensing

+ Features a high resolution, 4.3" (109 mm) capacitive touch-screen display, with fume hood status clearly indicated through a coloured screen

Fume Hood Venturi Valve Retrofit

+ Reduce energy consumption by updating to new controls technology

+ Reduce building downtime by removing the need to shut down air to retrofit control space

+ Upgrade control hardware to improve controllability while using the same mechanical device

Case Study:
University of Montreal
Science Complex

Location:
Montreal, QC

Completed:
2019

Project Type:
Laboratory

Products:
+ **Venturi Valves**
+ **Water Coils**
+ **Laboratory Room Controls**
+ **Fume Hood Controls**

Project Size:
645,000 ft²

Construction Cost:
$350 million

Engineer:
Consortium of BPA, PMA, and SNC-Lavalin

Representative:
E.H. Price Limited

Case Study:
Stowers Institute For Medical Research
Various Laboratory Spaces

Location:
Kansas City, MO

Completed:
2019

Project Type:
Retrofit

Products:
+ **Laboratory Room Controls**
+ **Fume Hood Controls**
+ **Venturi Valve Retrofit**

Representative:
Jorban-Riscoe Associates

Case Study:
Colorado State University
Chemistry Building

Location:
Fort Collins, CO

Completed:
2017

Project Type:
Laboratory

Products:
+ **Venturi Valves**
+ **Water Coils**
+ **Laboratory Room Controls**
+ **Fume Hood Controls**

Project Size:
60,000 ft²

Construction Cost:
$41 million

Engineer:
Cator Ruma & Associates

Representative:
CFM Company

Case Study:
Augustana University
Froiland Science Complex

Location:
Sioux Falls, SD

Completed:
2016

Project Type:
Laboratory

Products:
+ **Venturi Valves**
+ **Water Coils**
+ **Laboratory Room Controls**
+ **Fume Hood Controls**

Project Size:
125,000 ft²

Construction Cost:
$35 million

Engineer:
TSP Inc. and Smith Group

Representative:
Climate Systems

Case Study:
Michigan State Police
Metropolitan Detroit Forensics Science Laboratory

Location:
Detroit, MI

Completed:
2014

Project Type:
Laboratory

Products:
+ **Venturi Valves**
+ **Water Coils**
+ **Laboratory Room Controls**
+ **Fume Hood Controls**

Project Size:
51,000 ft²

Construction Cost:
$9.4 million

Engineer:
SmithGroupJJR

Representative:
Michigan Air Products

Case Study:
Saskatchewan Health Authority
Jim Pattison Children's Hospital

Location:
Saskatoon, SK

Completed:
2019

Project Type:
Operating and Isolation Rooms

Products:
+ **Venturi Valves**
+ **Water Coils**
+ **Room Pressure Monitors**
+ **Critical Space Controls**

Project Size:
400,000 ft²

Construction Cost:
$286 million

Engineer:
Daniels Wingerak Engineering Ltd.

Representative:
E.H. Price Limited

Case Study:
Kenyon College
Tomsich Hall

Location:
Gambier, OH

Completed:
2022

Project Type:
Laboratory Retrofit

Products:
+ **Fume Hood Controls**
+ **Critical Space Controller**
+ **Venturi Valve Retrofit**

Project Size:
30,000 ft²

Representative:
Air Control Products

PRODUCTS
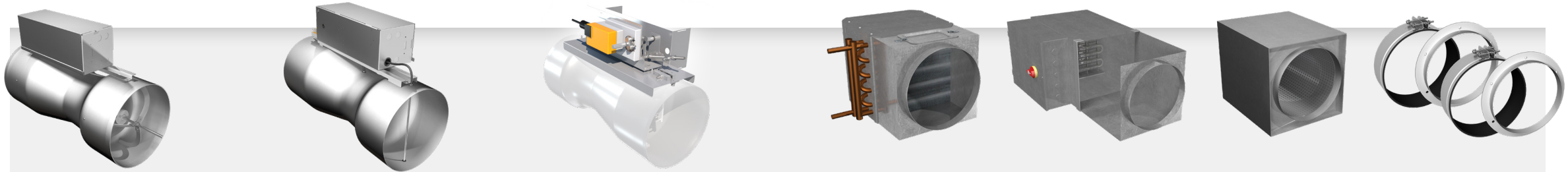
Valves and Valves+

VV
Venturi Valve
+ Medium (0.6 to 3.0 in.w.c., 149 to 747 Pa) or low (0.3 to 3.0 in.w.c., 75 to 747 Pa) pressure operation
+ Standard and high-speed actuation
+ Characterized using NVLAP accredited test stations (Lab Code: 201067-0)
+ Operating pressure feedback is always included
+ Mechanically pressure independent

VFX
Venturi FX Valve
+ Low minimum pressure operation
+ Direct airflow control and measurement
+ Validated on NVLAP accredited test stations (Lab Code: 201067-0)
+ Standard and high-speed actuation

VVR
Venturi Valve Retrofit
+ Update to modern controls on installed valves
+ Provide energy savings
+ Reduce installation costs by eliminating sheet metal services
+ Factory mounted transitions

VVHWC
Hot Water Reheat Coils
+ Available in high capacity and oversized configurations to meet the requirements of every project
+ AHRI410 certified
+ Factory mounted transitions

VVEC
Electric Reheat Coils
+ ETL listed
+ Comply with CSA236/UL1995
+ Uses thermal safety switches and low watt density heating elements to minimize hot spots
+ Factory mounted transitions

VVSIL
Venturi Valve Silencer
+ Factory mounted transition
+ Specifically designed for Venturi Valves or Venturi FX Valves

VCT
Drawband Clamps and Companion Flanges
+ Provides uniform compression, connecting spiral or plain ductwork to a valve
+ Minimizes damage from sheet metal screws
+ Aluminum or SS316 Construction
+ Available for single body valves
+ Fitted parts allow for ease of installation

PRODUCTS
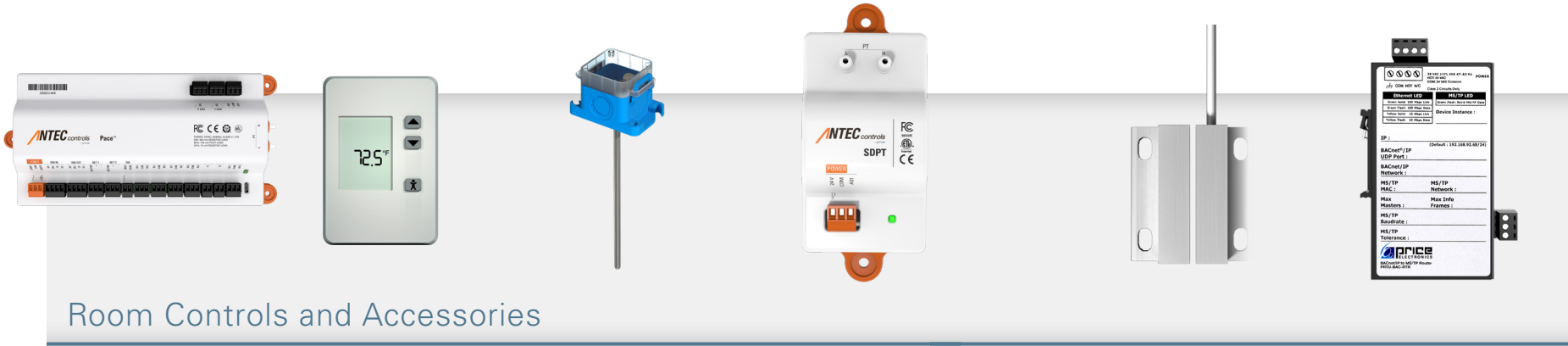
Room Controls and Accessories

PACE
Critical Space Controller

+ Control of room pressurization through pressure measurement or volumetric offset control strategies

+ System control through the Room Information Network (RIN) allows for up to 12 airflow devices including supply airflow, exhaust airflow or fume hoods

+ Achieves room airflow control utilizing Venturi Valves, Venturi FX Valves or Terminal Units

+ BTL Certified – BACnet Testing Laboratories

+ Intuitive start up and commissioning software allowing for complete room configuration from a single controller + BACnet MS/TP

ES
Room Environmental Sensor

+ LCD or blank-face options

+ Optional humidity or CO2 sensing

+ Optional connection to room level network for commissioning

ES
Duct Environment Sensor

+ Report duct temperature and relative humidity information

+ Duct information is reported to Pace™ using analog and/ or thermistor signals

SDPT
Differential Pressure Sensor

+ Maintenance-free pressure sensor

+ Provides measurement between +/- 0.250 in.w.c
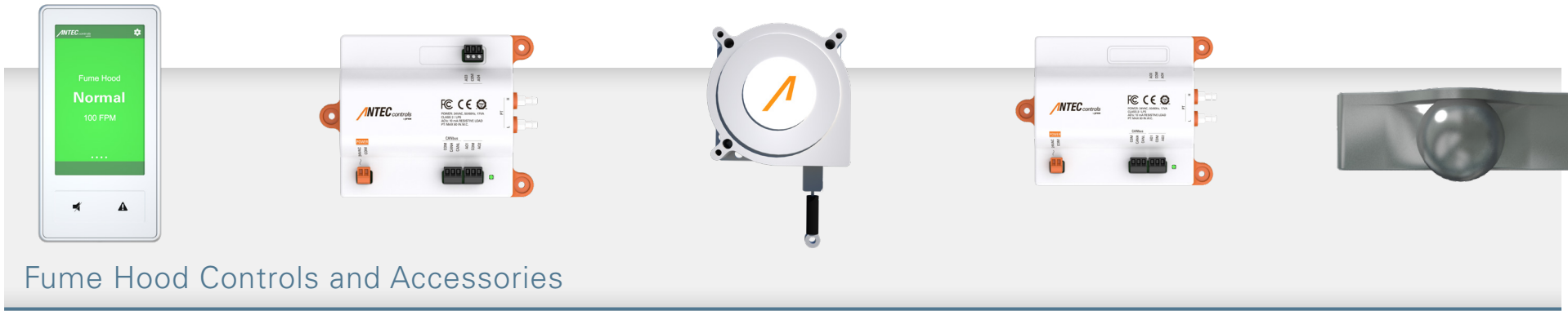
DCS
Door Contact Switch

+ Allow for door position monitoring and Pace™ control optimization

RTR
BACnet MS/TP to IP Router

+ Enables the transmission of information between BACnet MS/TP network and a third party BACnet IP building automation system

PRODUCTS

Fume Hood Controls and Accessories

CAVA
Touchscreen Fume Hood Controller

+ Sash position, sidewall sensor or hybrid face velocity control
+ High speed response
+ High resolution, 4.3" (109 mm) capacitive touch-screen display
+ Commissioning port at every Cava™ that allows for simple fume hood and room level setup
+ Connects directly to the Room Information Network (RIN) allowing multiple Cava™ touchscreen fume hood controllers and Pace™ critical space controllers to function together to meet room pressurization, environmental and fume hood control requirements

FVM
Fume Hood Valve Module

+ Works directly with Cava™ to accurately meet the required exhaust airflow and fume hood face velocity
+ Delivers real-time airflow device information to Cava™ for display and communication over CANbus

SPS
Sash Position Sensor

+ Calculate and adjust the exhaust airflow based upon the measured sash opening

SVS
Sidewall Face Velocity Sensor

+ Controls face velocity by measuring the differential pressure from the fume hood to the laboratory space and adjusting the exhaust airflow to meet the required face velocity
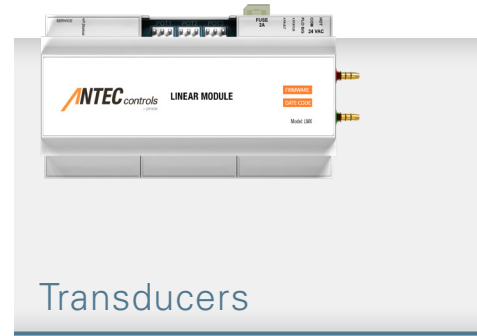
FPS
Fume Hood Presence Sensor

+ Low profile while allowing for an adjustable coverage pattern
+ Can detect user presence and adjust control to meet application needs

PRODUCTS
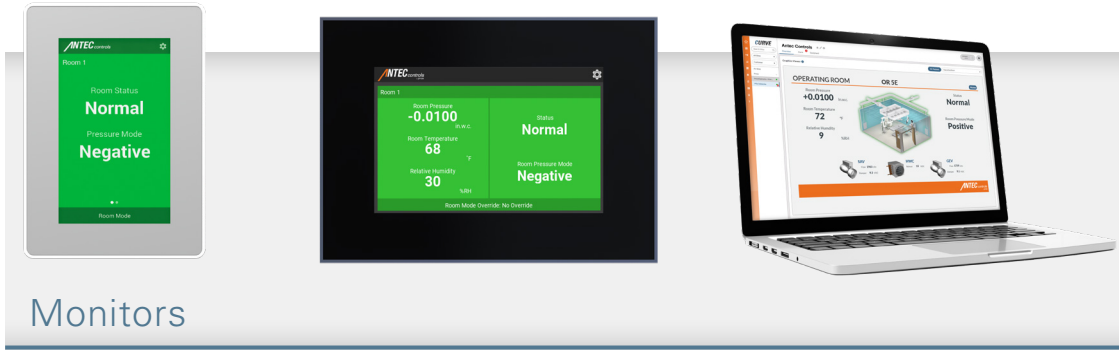
Monitors

Transducers

LUME
Room Pressure Monitors

+ Designed with a high resolution display for clear status indication
+ 24/7 pressure monitoring
+ Configurable room mode options with adjustable screen color and names to best suit user needs

MVM
Multi-Variable Monitor

+ 7" or 15" (178 or 381 mm) high resolution touchscreen display
+ Password protected menus
+ BACnet MS/TP or IP
+ View multiple room environment points at a centralized location

CURVE
Advanced Cloud-Based Monitoring

+ Remotely connects users with real-time information
+ Alerts when room conditions are not being satisfied
+ Dynamic reports highlighting KPIs
+ Change schedules with ease
+ Tiered permission levels for different users
+ Centralized navigation
+ BACnet MS/TP or BACnet IP

LMX
Linear Module

+ A digital sensor used with a Venturi Valve to monitor airflow and valve pressure
+ Outputs VDC signals proportional to current airflow and valve pressure
+ Integrates with Pace™ or third-party controllers through a linear analog signal