

2022 CATALOG



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

WORKING WITH ANTEC CONTROLS

As a leader in critical controls solutions, we take pride in focusing on our customer's needs. In addition to high quality products, you can count on exceptional customer service from the Antec Controls team. We are here to help you through every step of the project.

Safety

Our products are designed to create safe workspaces. Leveraging pressurization control sequences ensures that all individuals within these spaces remain safe at all times.

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.

Owner Autonomy & Transparency

- + Training is available to facility staff on how to properly install, use and troubleshoot our products, allowing for quick installation and local support.
- + Our products are designed with BACnet and BTL certified to integrate with BAS systems without the need of an additional gateway network device.
- + Customers can easily access up to date, accurate product and application information on the Antec Controls website.

LABORATORY



Supply Venturi Valves

- + 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



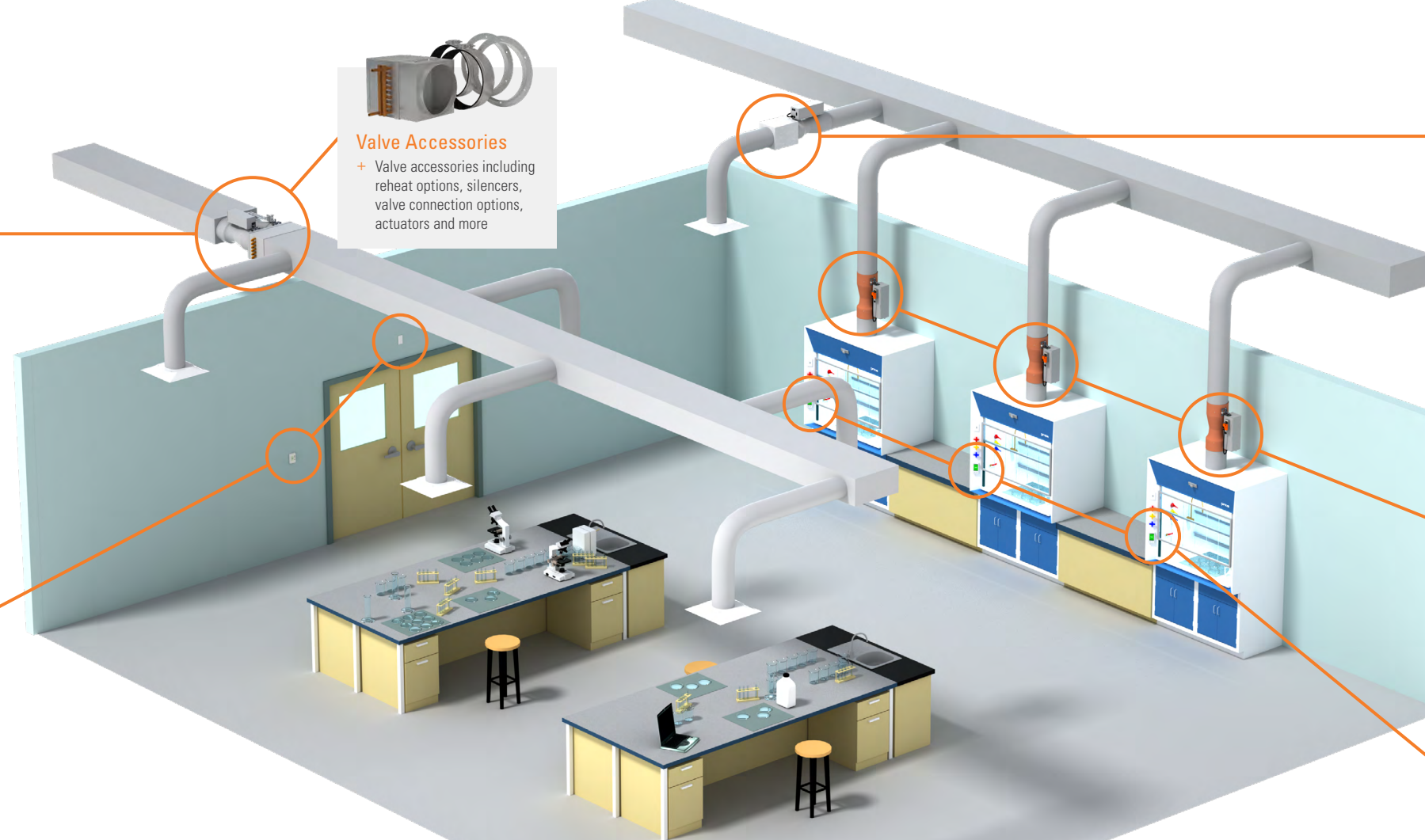
Pace™

- + 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



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



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



Pace™

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- + 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

OPERATING ROOM



Supply Venturi FX

- + The VFX'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



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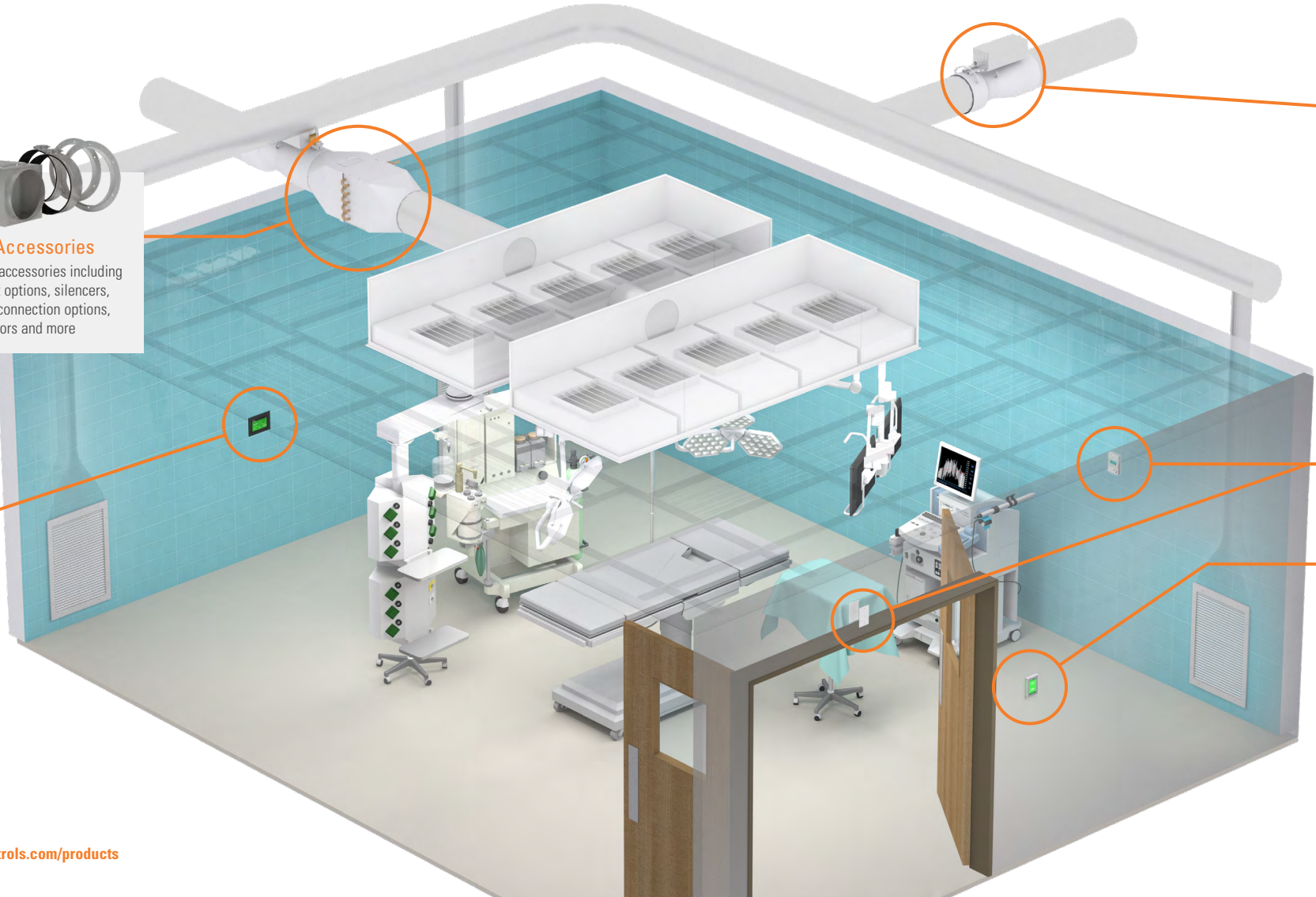
Valve Accessories

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



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



Exhaust Venturi FX

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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)



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 in the PMT
- + Save time with simple integration into the Building Management System (BMS) with an integration with BACnet

ISOLATION ROOM



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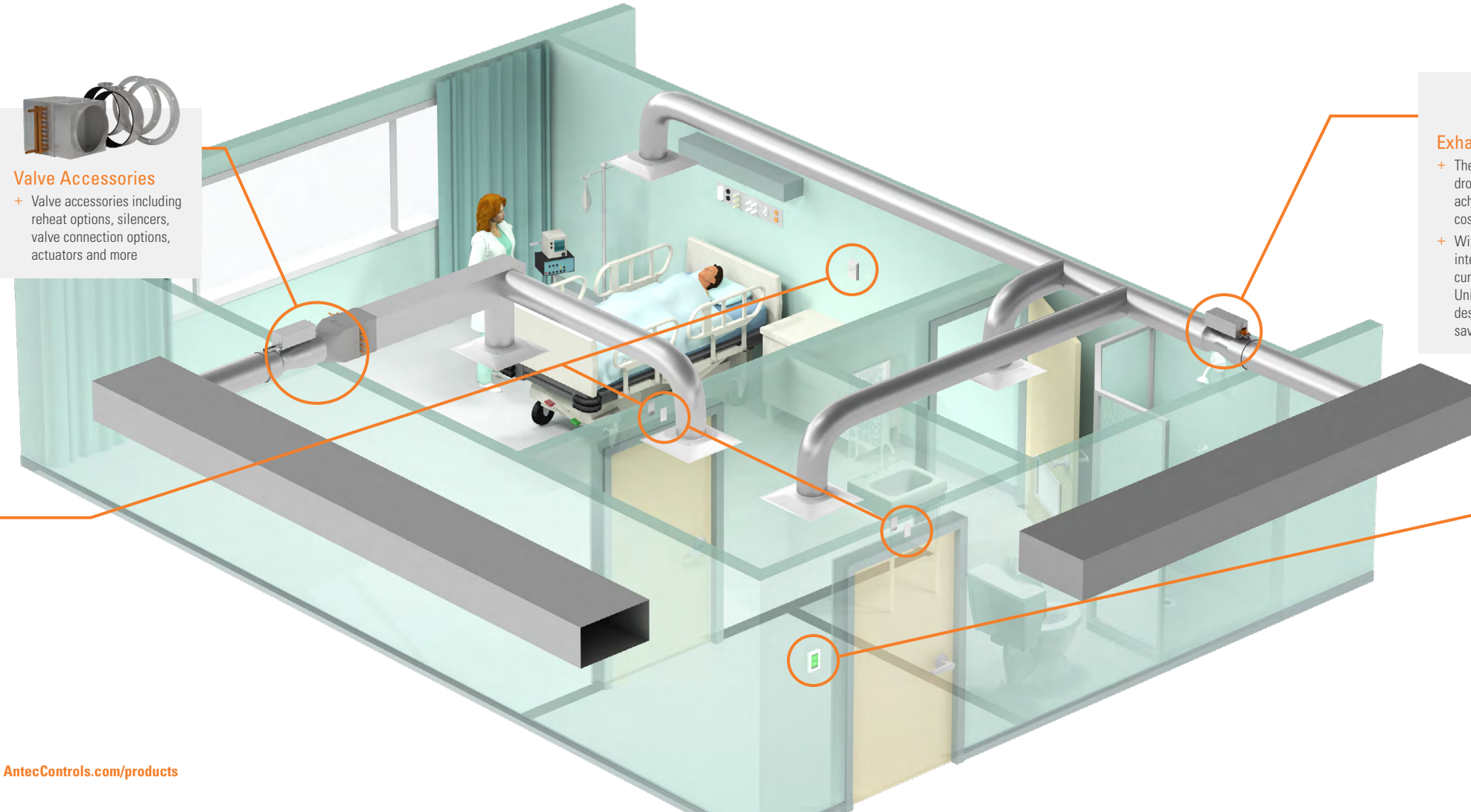
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PHARMACY



Supply Venturi Valves

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PACE Accessories

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



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



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
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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



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



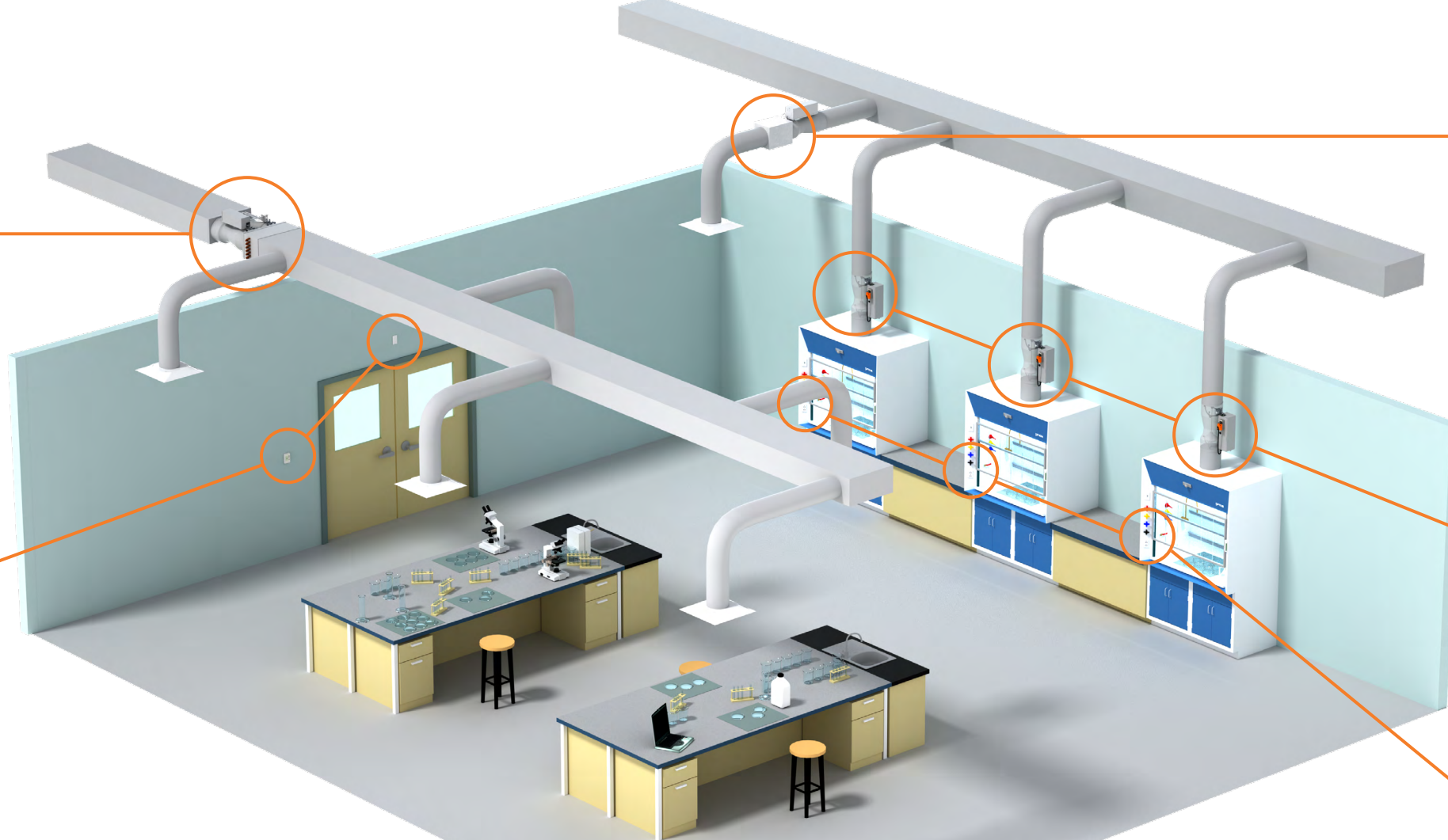
PACE Accessories

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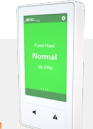
Pace™

- + 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)



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



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

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

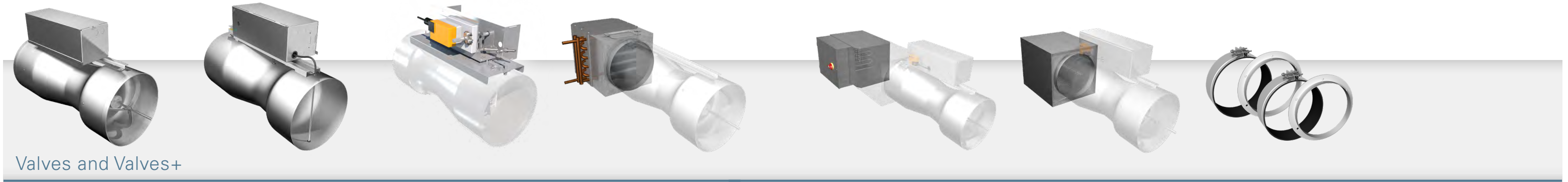
Construction Cost:
\$286 million

Engineer:
**Daniels Wingerak
Engineering Ltd.**

Representative:
E.H. Price Limited



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
- + High-speed actuation
- + Characterized using NVLAP accredited test stations (Lab Code: 201067-0)
- + Operating pressure feedback is always included

VFX

Venturi FX Valve

- + Low minimum pressure operation
- + Closed-loop airflow control and measurement
- + Validated on NVLAP accredited test stations (Lab Code: 201067-0)

VVR

Venturi Valve Retrofit

- + Update to modern controls on installed valves
- + Provide energy savings
- + Reduce installation costs by eliminating sheet metal services

VHWC

Hot Water Reheat Coils

- + Available in high capacity and oversized configurations to meet the requirements of every project
- + AHRI410 certified

VVEC

Electric Reheat Coils

- + ETL listed
- + Comply with CSA236/UL1995
- + Uses thermal safety switches and low watt density heating elements to minimize hot spots

VVSIL

Venturi Valve Silencer

- + Factory mounted transition
- + Specifically designed for Venturi 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

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

SRPS

Room Pressure Sensor

- + Maintenance and calibration-free sensor technology
- + Accurate to 3% of reading
- + Designed to prevent buildup of airborne particulates

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

PTX

Pressure Transducer

- + Allows for pressure measurement up to 2 in.w.c (500 pa) allowing for duct pressure or airflow device flow reporting
- + Outputs VDC signal proportional to current pressure
- + The PTX integrates with Pace™ or third party controllers through a linear analog signal

LMX

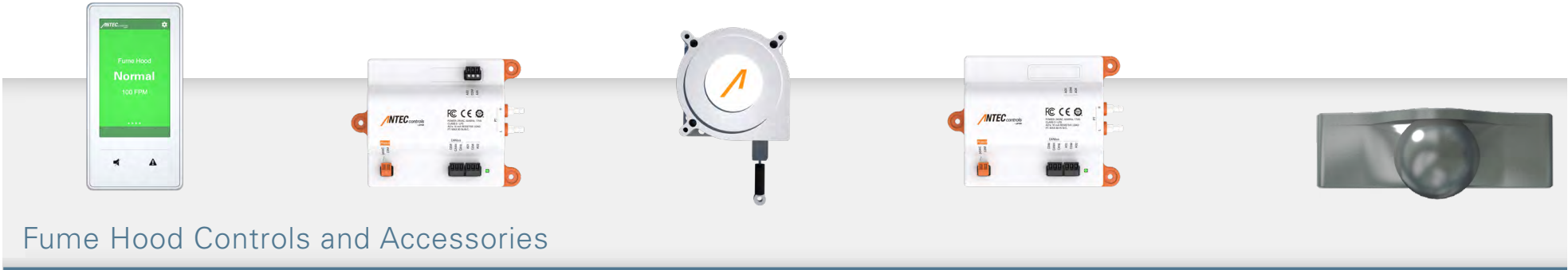
Linear Module

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

Transducers



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 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

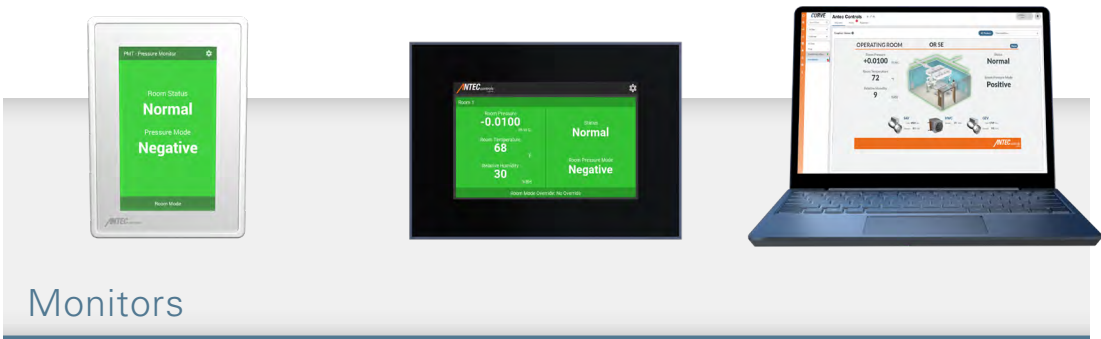
Sidewall Face Velocity Sensor

- + 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

Presence Sensor

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



Monitors

PMT

Touchscreen Room Pressure Monitor

- + Elegantly designed with the industry's highest resolution
- + 24/7 pressure monitoring
- + Innovative 180° LED room status indicator
- + Pressure monitoring and optional reporting of room environment points for up to three spaces
- + BACnet MS/TP

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

Product Improvement is a continuing endeavour at Antec Controls by Price. Therefore, specifications are subject to change without notice.

Consult your Sales Representative for current specifications or more detailed information. Not all products may be available in all geographic areas. All goods described in this document are warranted as described in the Limited Warranty.

The complete product catalog can be viewed online at AntecControls.com

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The logo features the word "ANTEC" in a large, bold, white sans-serif font. A thick orange diagonal line starts from the bottom left of the "A" and extends upwards to the right, passing behind the "N" and "T". To the right of "ANTEC" is the word "controls" in a smaller, white, lowercase sans-serif font. Below "controls" is the word "by" in a very small font, followed by "price" in a white, lowercase sans-serif font. The entire logo is set against a background of a laboratory with blue-tinted lighting and a large dark diagonal graphic element.

ANTEC controls
by price