

VVR

VENTURI VALVE RETROFIT

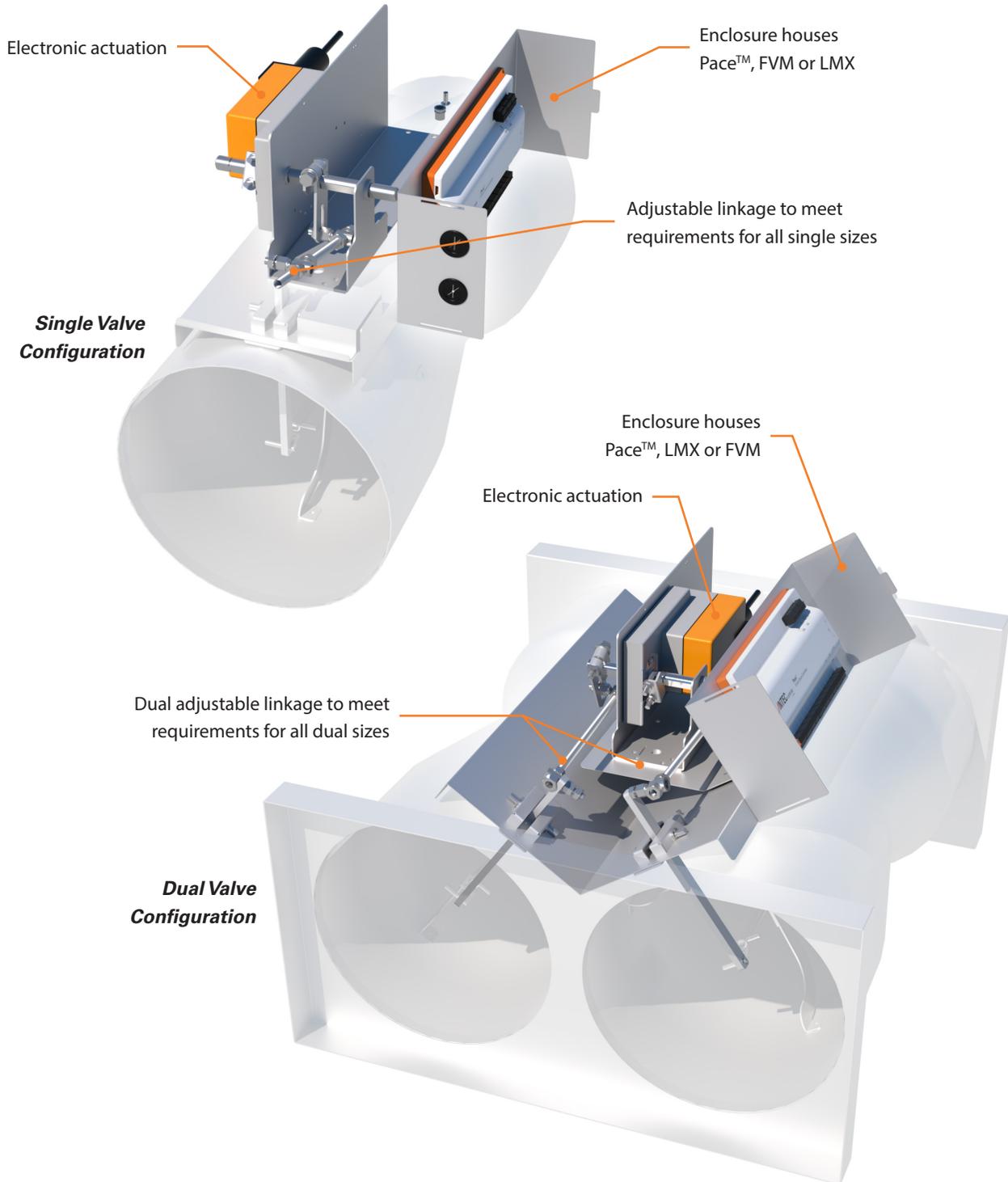


ANTEC controls
by PRICE

VVR

Venturi Valve Retrofit

Venturi valve technologies have existed for decades serving both healthcare and laboratory facilities. While the mechanical technology has not changed drastically during this time, controls systems have continually advanced. The Venturi Valve Retrofit (VVR) is designed to replace obsolete controls while leaving the original mechanical venturi valve components in place. VVR offers laboratories and healthcare facilities a viable upgrade solution when renovating areas with functioning valves. With no pneumatics infrastructure required and typically a lower power draw than older controls, retrofitting offers potential energy savings.



WHAT IS A VV RETROFIT?

The Venturi Valve Retrofit (VVR) is an easy to install upgrade of the controller and actuator on an existing venturi valve. Existing controls are simply removed from an installed valve, while the mechanical valve stays in place. The VVR is then installed, and minor adjustments are made to finalize the install. The existing venturi valve characterization curve can be copied from the obsolete controls to the newly installed VVR creating a brand new controls system.

WHY RETROFIT?

- + Retrofit installation replaces obsolete or end-of-life controls without involving any sheet metal services. Removing this component of labor can afford a huge cost savings to facility owners. Further, there is no need to purchase a new mechanical valve when the existing product is fully functional.
- + Modern controls allow for increased visibility of room status over the Building Management System (BMS) which can lead to significant energy savings. All controllers paired with the VVR are BTL listed native BACnet MS/TP devices.
- + Retrofit solutions are a convenient way to update an existing facility room by room with more manageable cost control.

WHY UPGRADE WITH ANTEC CONTROLS?

Antec Controls equipment seamlessly integrates with existing systems and building infrastructure without the need for additional gateway devices. All Antec Controls product is developed in-house giving our team a greater understanding of the functionality and application. We offer training for facilities staff so that building owners can have autonomy over their own systems. In addition, Antec Controls offers an extended 3-year warranty on the original valve when it is upgraded using a VVR.

TYPICAL APPLICATIONS

The Venturi Valve Retrofit (VVR) is designed for venturi valves with a cone-spring assembly and use a potentiometer for airflow feedback. Venturi valves that meet this criteria with an existing pneumatic or DDC controls system are ideal for retrofitting. Venturi valves should be inspected to ensure there are no mechanical defects and the controls enclosure is easily accessible.

FEATURES

- + Update to modern native BACnet MS/TP controls on installed valves.
- + Potentially significant energy savings.
- + Reduce installation costs by eliminating sheet metal services.

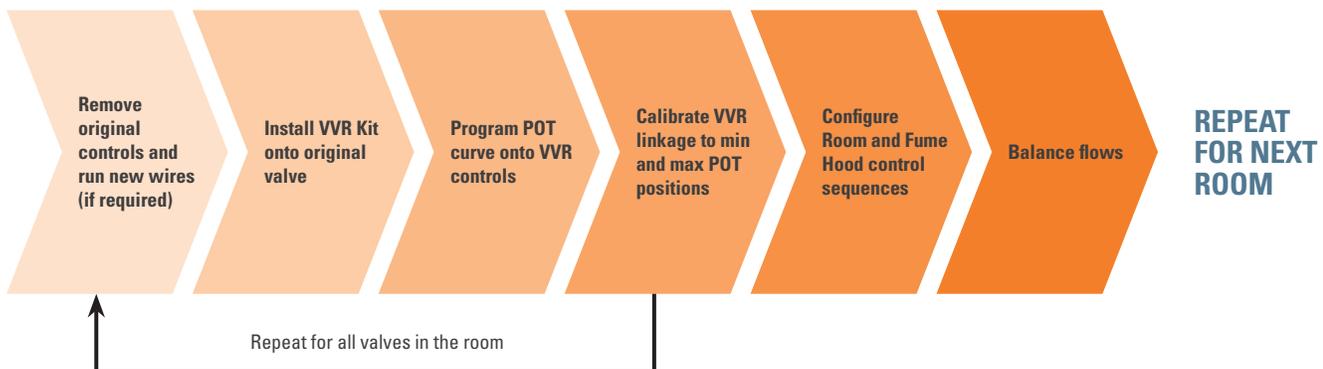
WHO CAN PERFORM A RETROFIT?

The VVR simply upgrades an existing installation to work with current Antec Controls systems. Any Antec Controls Certified Technicians can install and commission a Venturi Valve Retrofit.

WHAT TO EXPECT WHEN UPGRADING WITH VVR

Order of Operations

Most VVR installations will follow the same steps for each valve or space being upgraded.



Flexible Solutions

Antec Controls offers flexible solutions for spaces when unique requirements. Information on this information can be found in the product submittal available at www.AntecControls.com

ACCESSORIES

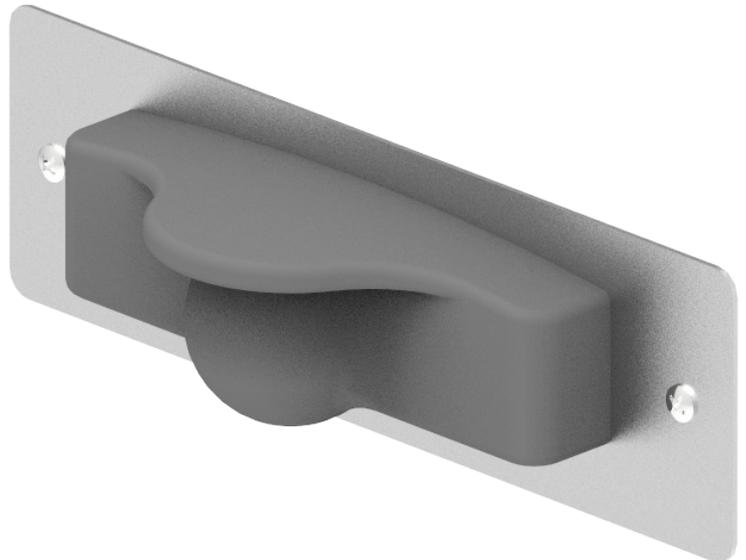
CAVA Touchscreen Fume Hood Controller & Mounting Plate

For fume hood VVR applications, CAVA is the locally mounted controller and interface that displays live readings and features a 4.3" (109.2 mm) touchscreen. In applications where there was a legacy display installed, the Mounting Plate covers the existing holes and provides mounting holes and screws for the CAVA. The Mounting Plate is brushed stainless steel and comes in multiple styles to cover a variety of legacy displays.



Presence Sensor (FPS) & Mounting Plate

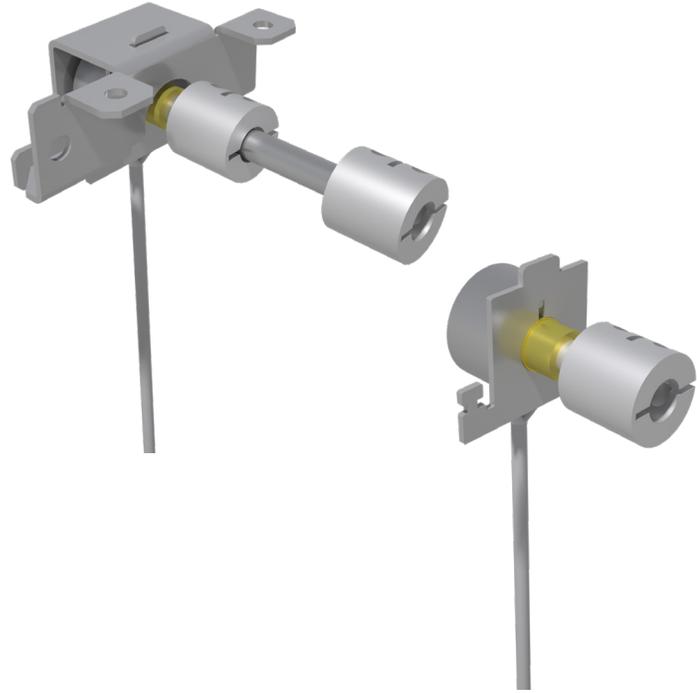
The Presence Sensor is a low profile sensor that detects user presence to allow for varying control when a fume hood is unoccupied. For applications where an existing sensor was installed, the Mounting Plate covers the holes from the previous sensor and provides mounting holes and screws for mounting the Antec Controls FPS. The Mounting Plate is brushed stainless steel and comes in two sizes to cover a variety of legacy sensors.



Potentiometer Kits

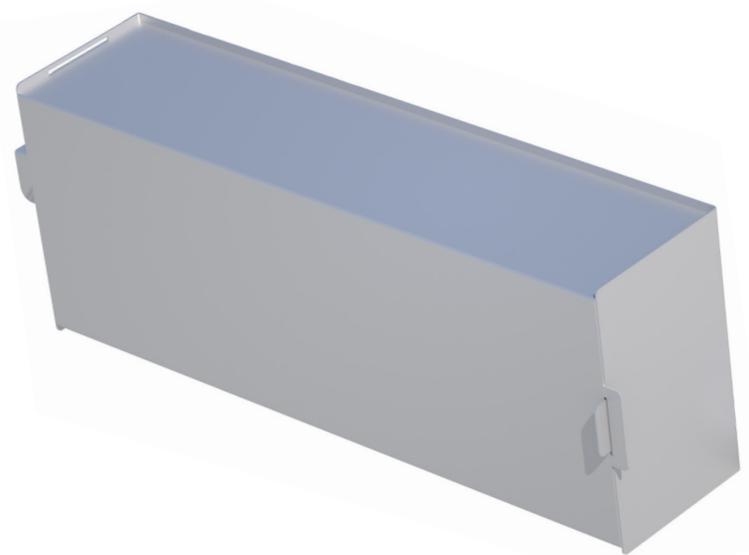
If the existing potentiometer is damaged, degraded or failing, a potentiometer kit can replace it while using the original fully functional valve body. The kit comes with hardware to allow for a clean replacement and comes in two sizes:

- + **Standard Replacement** - simple POT replacement, works with most legacy valves
- + **Extended Replacement** - includes a shaft extension for use with specific older valve models



Optional Enclosure

Existing enclosures can be used to house the new controls. Where existing enclosures are damaged or missing, enclosures can be ordered to ensure the controls are properly housed.



SPECIFICATIONS

See the latest information located in the product submittal available at www.AntecControls.com



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](https://www.AntecControls.com)