

A photograph of a nurse in blue scrubs walking down a modern hospital hallway. She is holding a clipboard and looking at it. The hallway has a polished floor that reflects the light, and a glass railing is visible on the right side. The background shows a bright, well-lit corridor with large windows.

BETTER AIR QUALITY STARTS WITH BETTER CONTROL

**CONTROL AND QUICKLY REVERSE AIRFLOW WITH THE HIGH-PRECISION VENTURI VALVE
DESIGNED TO BE EFFECTIVE AND AFFORDABLE THROUGHOUT YOUR HEALTHCARE FACILITY**

THERIS™ FLEX VENTURI VALVE BY PHOENIX CONTROLS

These days, we're keenly aware of the air we breathe – and healthcare guidelines for room state flexibility and indoor air quality continue to be developed in order to meet those safety needs, with a growing number of spaces now recognized as critical applications.

That's why we've developed a high-precision, affordable way to help you optimize air quality, airflow, and ventilation with no balancing, no maintenance, and none of the risks or hassles of VAV boxes.

Continuous airflow within +/-10% setpoint accuracy makes Theris Flex venturi valves the versatile VAV replacement that's safer and more cost effective than alternatives.

THE THERIS FLEX VENTURI VALVE

RAPID, ACCURATE PRESSURIZATION

Theris Flex valves offer a versatile, cost-effective way to introduce pressurization and directional airflow into sensitive spaces where such capabilities might previously have seemed cost prohibitive. The onboard controller can also be programmed, for example, to change room pressurization from neutral to negative in response to containment or isolation needs of any pandemic situation.

This makes the Theris Flex venturi valve ideal for a wide variety of specialized spaces and applications, such as healthy buildings initiatives, patient rooms, pandemic readiness, ER departments, procedure rooms, and imaging spaces.

MECHANICALLY PRESSURE INDEPENDENT

The venturi shaped valve houses a high-grade stainless-steel spring inside the restrictor, enabling the valve to naturally react to static pressure changes inside the duct. Unlike traditional pressure-dependent VAV boxes, no controller positioning is required. Theris Flex valves require no labor to balance or maintain as they instantly adjust to changes in static pressure in less than 1 second.

MORE PRECISE AIRFLOW CONTROL

- Far more accurate than VAV flow measurement: +/-10% of setpoint across entire flow and pressure range
- Reduced startup and balancing time
- Mechanical design reacts to pressure changes automatically in less than 1 second
- Lowest controllable pressure drop available
- Better energy performance: 10:1 turndown ratio vs 3:1 for VAV boxes

BETTER AIR QUALITY

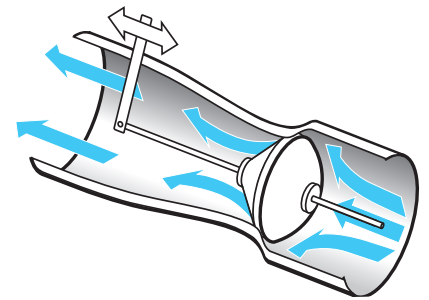
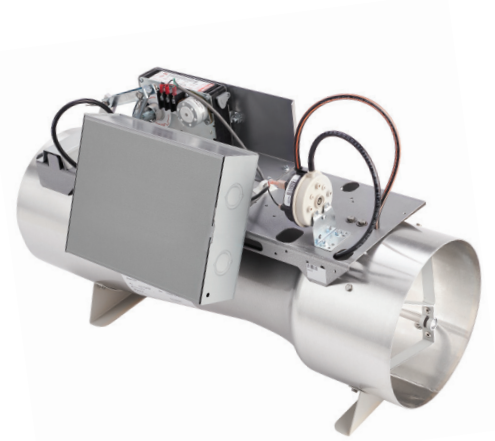
- Reduce risk of cross-contamination from pathogens and pollutants
- Consistent directional airflow minimizes dead zones of stagnant air
- Precise control of circulation, temperature, and humidity

ZERO MAINTENANCE

- Preassembled and characterized at factory
- Preset accuracy eliminates balancing at job site
- No component drift, no sensor recalibration

ONBOARD ROOM CONTROLLER

- Includes temperature controller for building zone applications
- Works with wall module for temperature / humidity input
- Programmable BACnet®/MSTP controller for BMS integration and custom requirements



FEATURE	DESCRIPTION
Valve Sizes	6, 8, and 10-inch*
Flow Range	30-1000 CFM (55 – 590 m ³ /hr)
Pressure Range	0.3" WC to 3.0" WC (75 Pa to 750 Pa)
Valve Design	Standard

*6-inch valves coming soon; the 6-inch valves are only offered in medium pressure 0.6" WC - 3.0" WC (150 Pa to 750 Pa).