Performance and Reliability

Northwest Community Hospital

Our Customers

Many of the world's leading healthcare institutions use Phoenix Controls products with confidence.

UNITED STATES

ANDERSON MEDICAL CENTER, *SC*
BRIGHAM AND WOMEN'S HOSPITAL, *MA*
CLEVELAND CLINIC, *OH*
EL CAMINO HOSPITAL, *CA*
FLORIDA HOSPITAL, *FL*
HOWARD HUGHES MEDICAL INSTITUTE, *VA*
JOHN HOPKINS HOSPITAL AND HEALTH SYSTEM, *MD*
M. D. ANDERSON CANCER CENTER, *TX*
NATIONWIDE CHILDREN'S HOSPITAL, *OH*
NORTHWEST COMMUNITY HOSPITAL, *IL*
PROVIDENCE HEALTH & SERVICES, *OR*
RILEY CHILDREN'S HOSPITAL, *IN*
ST. JUDE CHILDREN'S HOSPITAL, *TN*
TY COBB HEALTHCARE SYSTEM, *GA*
UNIVERSITY OF MICHIGAN HEALTH SYSTEM, *MI*

CANADA

CENTRE HOSPITALIER DE LA SAGAMIE, *Quebec*
LIONS GATE HOSPITAL, *British Columbia*
PETER LOUGHEED HOSPITAL, *Alberta*
TORONTO GENERAL HOSPITAL, *Ontario*

INTERNATIONAL

HÖHENKLINIK CLAVADEL, *Switzerland*
TAKATSUKI CITY HEALTH CENTER, *Japan*
UNIVERSITY HOSPITAL CHARITÉ, *Germany*

Theris valves control air volume and directional airflow in the critical spaces of healthcare facilities, such as isolation rooms, operating rooms, in-hospital pharmacies, and patient rooms designed for pandemic events. Theris meets all national and state healthcare engineering regulatory requirements set forth by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the American Institute of Architects (AIA) Guidelines for the Design and Construction of Health Care Facilities.

"Room pressurization is increasingly becoming more critical throughout all hospital spaces, not just isolation rooms and operating rooms. In hospitals, we design in Phoenix Controls products today because we know they have the highest VAV turndown ratio for energy conservation, and reliable pressurization is never an issue with lower airflows."

Jon Inman PE, LEED AP, Mazzetti & Associates

About Phoenix Controls

For more than twenty years, the name Phoenix Controls has meant peace-of-mind for hundreds of hospitals around the globe. Hospital CEOs know the quality and reliability of the Phoenix Controls venturi valve and control system is second to none.

Phoenix Controls is a worldwide developer of precision airflow control systems for critical room environments, such as laboratories, hospitals, vivariums, and pharmaceutical clean rooms. The Phoenix Controls Quality Management System is registered to ISO 9001:2000.

Phoenix Controls

For additional information and a listing of our global offices, please visit our Web site at www.phoenixcontrols.com or call (800) 340-0007.
Phoenix Controls is a wholly owned subsidiary of Honeywell International, Inc.

theris
creating healthy environments

ventilation excellence

health and safety

cost control

Ventilation Solutions Designed for Healthcare

Theris® is Phoenix Controls' family of variable air volume and constant volume airflow control systems designed for healthcare facilities. Using Theris, healthcare facility owners can reduce maintenance costs, reduce the spread of airborne pathogens and conserve more energy.

Phoenix Controls

Health and Safety

Using Theris in operating rooms, surgeons are comfortable, rooms are pressurized, and energy use is minimized.

In the event of a pandemic outbreak, Theris enables normal patient rooms to be converted to pandemic isolation rooms on-demand.

Theris brings cost-effective ventilation reliability and energy efficiency to all hospital spaces.

Theris for Healthcare

With high energy prices and greater consequences for healthcare-associated infections, reliable and effective hospital ventilation is more important today than ever before. The Theris™ family of venturi valves is designed specifically for the airflow control needs of hospitals, offering both constant volume (CV) and variable air volume (VAV) systems that are maintenance free, energy efficient, and provide reliable space pressurization to improve infection control.

Conventional Air Terminal Unit (ATU) equipment is prone to sensor clogging. This wastes energy and raises the risk of airborne infection.

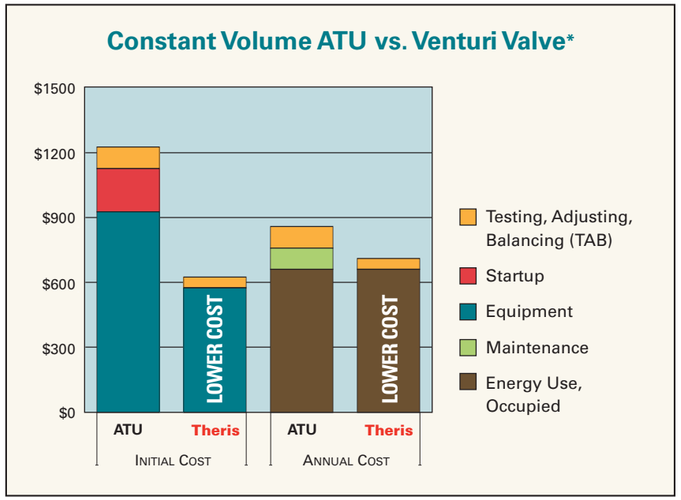
Consider these facts linking national healthcare issues to ventilation:

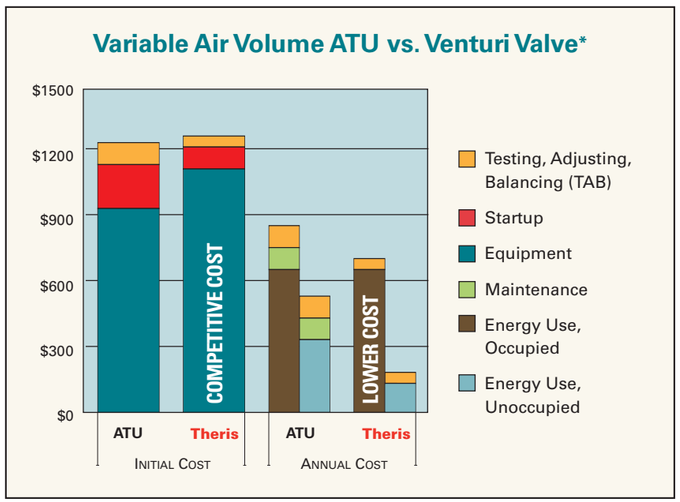
- **Infection Control** – Effective October 1, 2008 Medicare will not reimburse hospitals for eleven "Never Events," some of which are healthcare-associated infections. Better ventilation means better control of airborne pathogens.
- **Energy Consumption** – Hospitals run 24x7 and are the second largest energy consumers in the U.S. by type of facility. Properly controlled reduced ventilation in unoccupied spaces contributes directly to energy savings.
- **Environmental Comfort** – Improved climate control ensures comfort of medical staff during surgery and enhances overall staff productivity. Additionally, climate control for proper temperature and humidity is essential for both speed of recovery and overall patient satisfaction.
- **Pandemic Influenza and Emergency Preparedness** – OSHA and CDC studies show that there is not enough isolation rooms for a pandemic or for other surge events in the U.S. Patient rooms, Intensive Care Units and Emergency Departments should be designed to convert to isolation or protective environments as needed.
- **Profitability** – Regulations place a great burden on hospital performance and profitability. Reliable and accurate ventilation equipment can improve regulatory compliance and decrease energy and maintenance costs as well as liability costs related to healthcare-associated infections.

Cost Control

The Lifecycle Cost of Your Hospital

Over the lifetime of your hospital, annual operating costs will far outweigh the initial cost of construction. Therefore the value of equipment you build into your hospital is critical from the outset. Using Theris as your ventilation solution will ensure your annual operating costs are the lowest they can be, now and in the future.





* Values based on 180 square foot patient room, 180 CFM supply and exhaust, 2/3 air recirculated and gas/electric rates for St. Louis area at $3.68/CFM airflow cost.

Theris costs the same or less than ATU equipment, but offers more benefits

- **Reduced construction costs**
- **Faster project commissioning**

When operating rooms or patient rooms are unoccupied, Theris offers substantial energy savings. Even Theris CV helps lower operating costs through reduced maintenance and less testing, adjusting, and balancing.