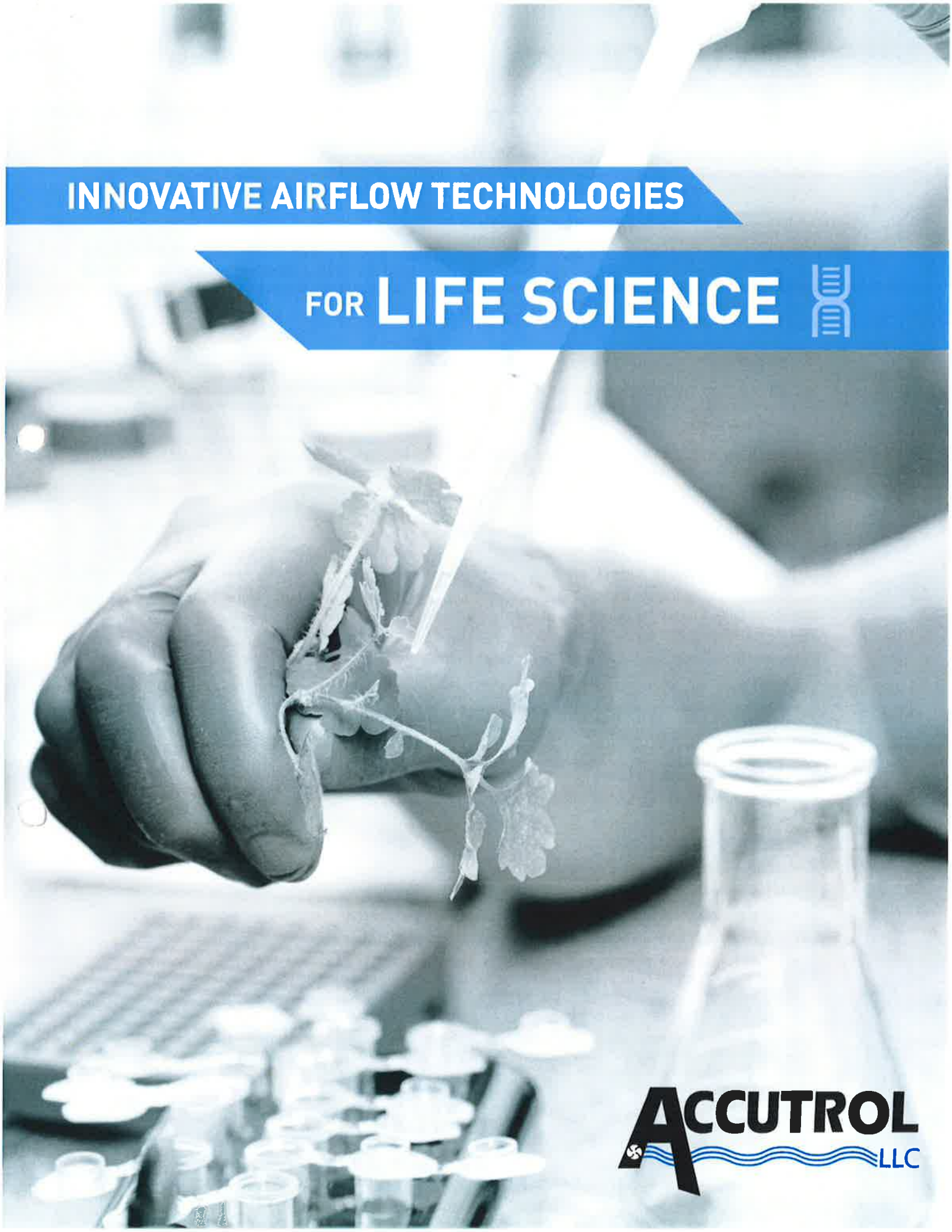

INNOVATIVE AIRFLOW TECHNOLOGIES
FOR LIFE SCIENCE
ACCUTROL
LLC

FOR LIFE SCIENCE

ACCUTROL LLC

For your critical environments

Accutrol airflow technologies breathe life into invention. Our products secure the world's critical environments, where airflow protects brilliant minds and helps ideas become realities.

Our technologies are vital to the safety and efficiency of life science environments, and are trusted by universities; biotech facilities and pharmaceutical research, development and manufacturing facilities, where tomorrow's finest medicines and scientific practices are tested and refined; where ingenuity thrives, evolves and affects positive change. Our products are found where facility owners and operations demand higher standards of quality, control and safety, where there's a need to seamlessly integrate cost-effective and energy-efficient airflow solutions into new and existing ventilation systems.

The dedicated people who work inside your facility deserve the **quality standards** and **peace-of-mind** that comes with Accutrol airflow technologies.

AccuValve® Airflow Control Valve

*A 2008 AHR Expo "Innovation-Value-Impact Award" winner and the preferred choice of many of the world's most prestigious and demanding clients.

AccuValve is Accutrol's innovative Airflow Control Device – the first airflow control valve designed for use in critical environments and the first to be recognized for its significant value impact.

The AccuValve is the standard by which all critical environment airflow control valves are measured. It operates with very low pressure drop, provides true airflow measurement without a straight duct run requirement and is easily installed. In addition, each AccuValve incorporates "ready" Demand Based Static Pressure Reset Control to meet the requirements of ASHRAE 90.1 and provides substantial long-term energy savings.

**AHR Expo: The International Air-Conditioning, Heating and Refrigerating Exposition*

Airflow Customized to Your Needs

Accutrol's innovative airflow solutions are award-winning, standard-setting and *customizable*. With your input, we'll tailor and integrate an airflow solution that will optimize your safety, comfort and energy efficiency — and we'll accomplish this with one or more of the following products:

Accutrol RoomTrack® Room Airflow and Temperature Control

- Room airflow and temperature controller for Life Science and Support Spaces
- Seamlessly integrates to the low pressure drop AccuValve
- Native BACnet® communication

Accutrol Room Pressure Monitors

- High performance and accuracy for measurement of critical low differential pressure

AccuValve Airflow Control Valve

- Standard speed actuation for Life Science and Support Spaces
- Independent Tracking Pair Control
- Boosts energy savings by requiring low pressure while providing high turndown, accuracy and true airflow measurement
- Enables reduced fan brake horsepower, saving electrical and capital equipment costs
- The only critical airflow control valve to offer "ready" Demand Based Static Pressure Reset Control meeting the requirements of ASHRAE Standard 90.1 without adding costly material in the airstream duct run to provide this important owner benefit

Today, many facilities find themselves needing to replace older airflow control technology due to new regulations or existing product obsolescence. If you are among them, consider Accutrol. Our AccuValve, pressure monitors and critical environment controls give you the flexibility to directly replace your existing high energy use airflow valves with a very low pressure drop option for seamless integration with your existing Building Automation System.

Whether you're updating an existing system or installing a new one, Accutrol is the best choice for your critical environment needs.

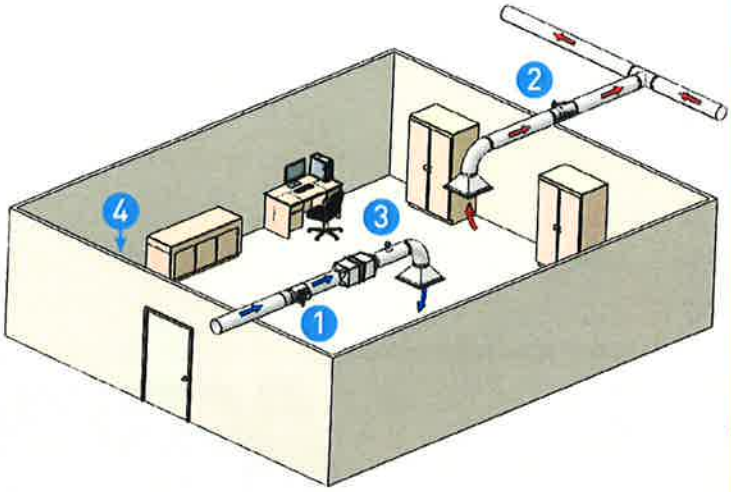
www.accutrolllc.com | (203) 445-9991 | **sales@accutrolllc.com**

FOR LIFE SCIENCE

LIFE SCIENCE SUPPORT SPACE

Support spaces require accurate airflow control to insure critical ventilation is properly provided. The Accutrol RoomTrack® Controller combined with the low pressure drop AccuValve AVC maintains precise airflow and temperature control.

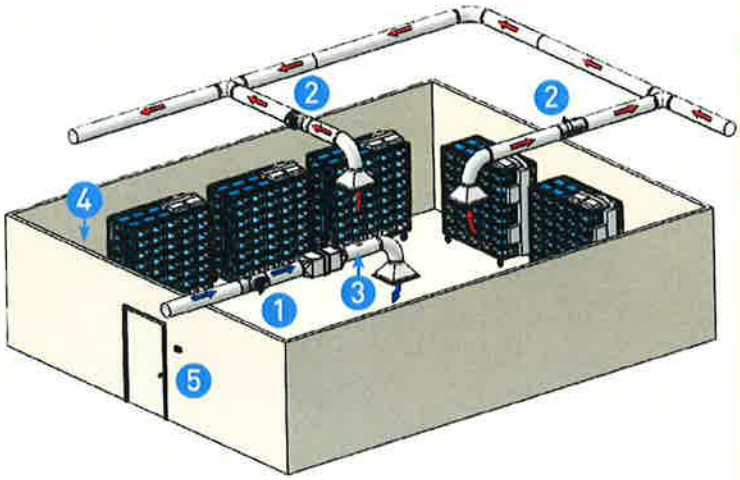
1. AccuValve Supply Airflow Valve
2. AccuValve Exhaust Airflow Valve
3. Duct Temp Sensor
4. RoomTrack® Temperature Controller/Sensor



VIVARIUM

The Accutrol Model AVC AccuValve(s) provide precise airflow tracking control to maintain required conditions within the vivarium space. The Accutrol RoomTrack® Controller can be added for room temperature control as well. The Accutrol Room Pressure Monitors provide critical low pressure differential monitoring and alarming from the space.

1. AccuValve Supply Airflow Valve
2. AccuValve Exhaust Airflow Valve(s)
3. Duct Temp Sensor
4. RoomTrack® Temperature Controller/Sensor
5. Room Pressure Monitor



Accutrol products meet the high demands of life science environments with precise airflow control and maximum energy savings.



AccuValve

Technology-leading airflow control for critical environments

AccuValve Features and Benefits:

OPERATION

Standard Speed Actuation
*High Speed Available

High Accuracy
+/- 5% of reading

True Airflow Measurement
Actual airflow measurement without the requirement of a straight duct run before or after the valve

ENERGY SAVINGS

Low Pressure Drop
Allows design <0.3" PD at maximum airflow

ASHRAE 90.1 Compliant
Demand Based Static Pressure Reset Control (without additional hardware)

High Turndown
Provides precise control over large airflow range

LAYOUT AND INSTALLATION

Can be mounted in any position
360° plane (no special ordering or mounting arrangement needed)

Easy Access to Controller/Actuator
Controls can be mounted in inverted position if required for site conditions

Universal Input/Output
Can be directly controlled by BAS

MAINTENANCE

No Scheduled Maintenance Required

ACCUTROL LLC

INNOVATIVE AIRFLOW TECHNOLOGIES

for

LABORATORIES

LIFE SCIENCE

HEALTHCARE

Our innovative airflow technologies include:
Airflow Control Valves, Fume Hood Controls,
Room Airflow and Temperature Controls,
Pressure Monitors and Airflow Measurement

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