

Barometric Bypass Damper

Installation Instructions

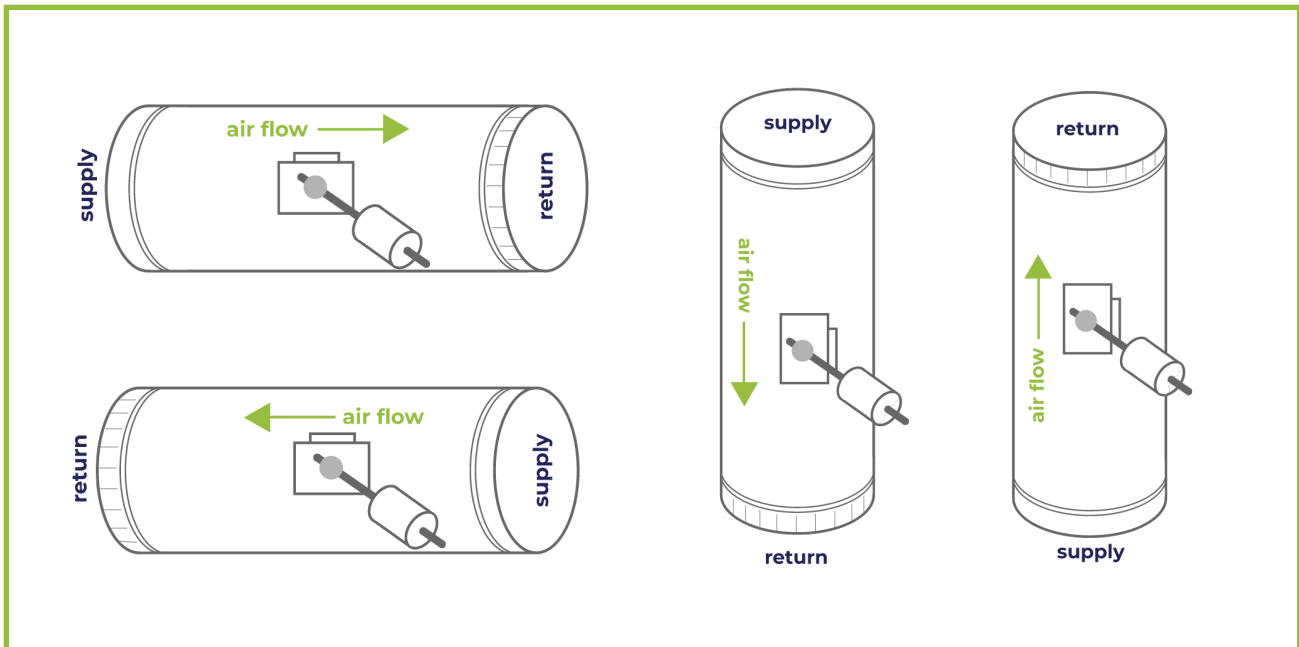
BYPASS INSTALLATION

1. Install 2 sections of ductwork, one attached to the supply and one to the return. They should be fitted so that the damper may be installed in between the 2 sections.
2. Install the barometric damper in the middle of the 2 sections of ductwork.
3. The supply side take-off should be in the main trunk before any trunk-line dampers, or at least 12 inches before the first reducer if you're using branch dampers..
4. The return side take-off should be at least 8 feet from the return air drop (if practical) but before any reducers, if applicable. The take-off should never come off the return air drop if possible.

DAMPER SETUP

1. After installation is complete, disassemble the weight arm from its stowed position on the side of the damper. Thread the arm into the tapped hold in the damper provided. Attach the weight to the threaded arm.
2. With all zone dampers open, the bypass damper should be in the fully closed position.
3. Start the smallest zone calling at cooling fan-speed. Adjust the weight on the damper arm so that any objectionable air noise is eliminated. To increase static pressure, move the weight outward, toward the end of the arm. To decrease static pressure, move the weight in toward the damper shaft. More weights can be added if necessary.
4. Remember: You only want to bypass enough air to reduce noise to an acceptable level.

Orientation of the Barometric Bypass Damper and Damper Arm with the Direction of Airflow



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