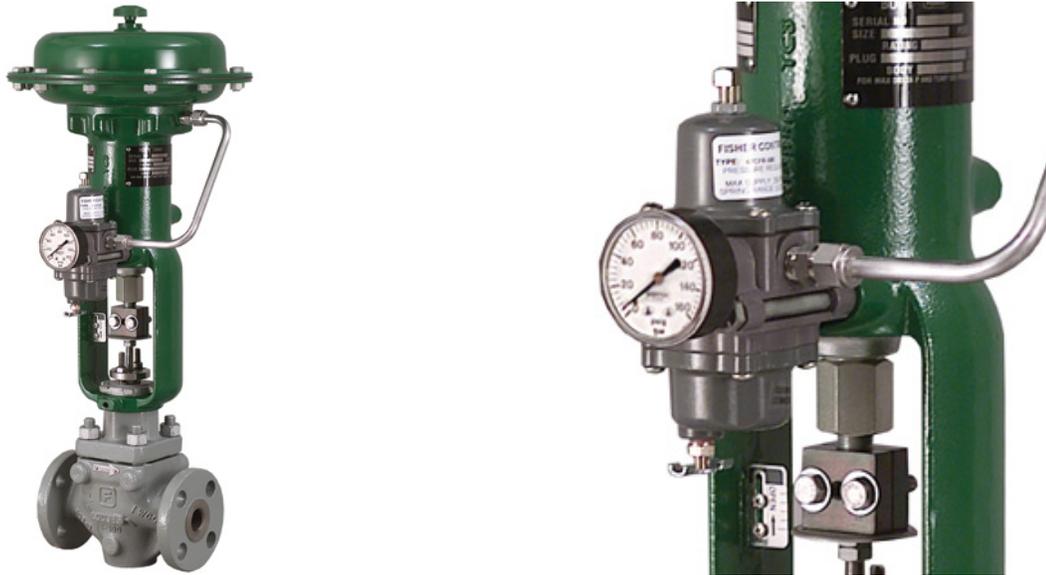


Smart Bleed™ Airset

An airset that is smart enough to know when fail-safe conditions must be executed



Type 67CFR with Smart Bleed Mounted to Type 667 Actuator

Lower Operating Costs

Ensuring Actuator Failure Mode

Any airset piped directly to an actuator or to devices that consume air intermittently can lead to a problem of trapping pressure in the actuator if a fixed bleed is not installed. The trapped pressure locks the actuator in last position. Since regulators respond to changes in downstream pressure, not inlet pressure, the regulator remains locked up when supply pressure is lost. A means to exhaust the trapped pressure is required.

Optimized Performance

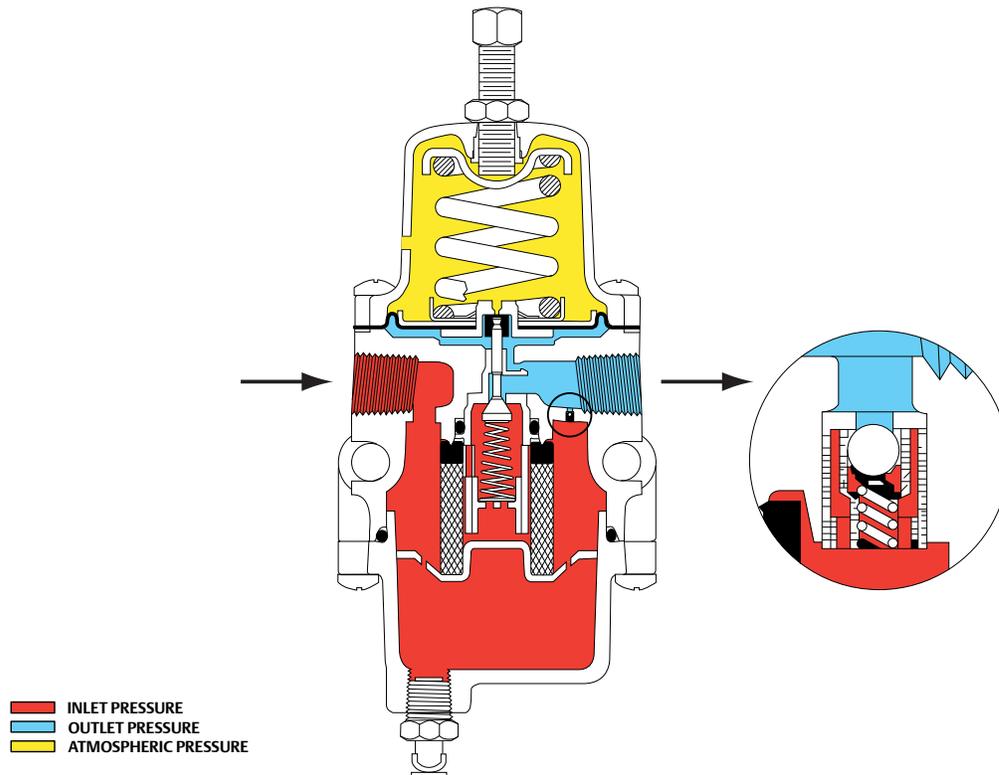
Fisher® Smart Bleed Airset allows downstream pressure in an actuator or other instrument to exhaust if supply pressure is lost. In turn allowing the actuator to fail in the desired

position. The use of the Smart Bleed eliminates the need for a fixed bleed, and should be used when supplying air to a dead-end system.

Lower operating costs

The cost to power pneumatic instruments in chemical, hydrocarbon and process industries is continuing to increase, and along with it the need to minimize leakage wherever possible. Intensive laboratory testing shows the Type 67CFR internal relief valve has tight shutoff. Combined with the benefits of the Smart Bleed, continuous steady state air consumption is eliminated. Plant resources are conserved and the cost to power pneumatic and digital instruments is reduced.





Type 67CFR Smart Bleed™ Schematic

Best in Class Design

Best in class design

The Smart Bleed Airset incorporates the use of a differential check valve between the inlet and outlet pressure cavities of the Type 67CFR. During normal operation the check valve remains closed. When inlet pressure is less than

outlet pressure, the check valve opens and exhausts the downstream volume. The design provides for consistent and repeatable operation.

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