

Pneumatic Positional Control = Zero Bleed System

- **Zero* Bleed** - Pneumatic positional control with no loss of performance
- **High Speed** - Range of patented integrated filter booster sizes up to 2"
- **High Accuracy** - Integrated Linear and Rotary position transducers with better than 0.1% resolution
- **Arctic Service option** - -55°C
- **Low Power** - Under 50mA continuous power consumption
- **High Capability** - Partial stroke test, valve signatures, seat forces and safety factors with on screen diagnostics, HART, Modbus, Bluetooth Comms and SAMSS 634 compliant
- **High Level of Flexibility** - Configurable for all control logic requirements, e.g unique digital partial stroke, 2oo3 voting control, ESD and modulating
- **Low Consumption** - 1 Millionth the steady state consumption of conventional low bleed positioners even at 10 bar

* Measured at under 0.000000037 Nm³/hr.

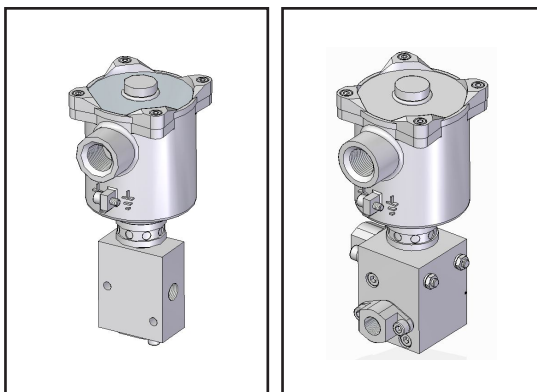


Features & Benefits

Worldwide Approvals



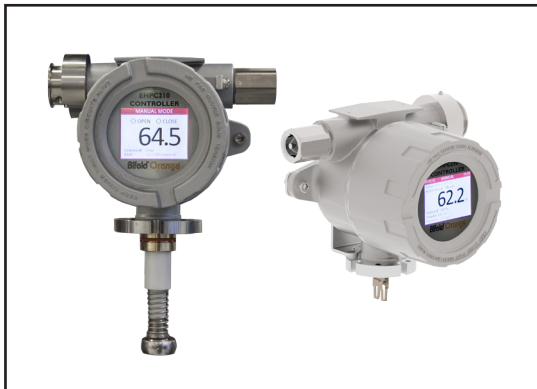
Solenoid Operator is Free to Rotate 360°



Pneumatic Modular Systems



EHPC210 Controller



Standard Solenoid Operator Equipment Design & Build

- Solenoid Operator Worldwide Approvals
- Solenoid operator is free to rotate 360° allowing for an easy cable layout and ease of connection wiring. Solenoid operator internals rotate with the enclosure and prevent cables being pulled out of terminal block.
- Worldwide technical and field support.
- Standard solenoid valve can be mounted in any orientation to simplify installation due to all the components having enhanced rotational capabilities.

PICO

- Bifold have developed a revolutionary control system which will transform Pneumatic actuation, both in positional control but also on/off and ESD valves.
- The patented Bifold filter booster technology allows an equivalent flow rate of larger systems to be achieved by the PICO.
- In addition to the positional control capability of the PICO, which is comparable with the industry leading pneumatic positioners, the PICO can be used on on/off and ESD actuators because of its true zero leak capability combined with proportional control and high flow.
- Efficient use of compressed air, by only pressurising the actuator to open fully and not continuing to fill to a regulator set pressure.
- Higher operating pressures resulting in smaller actuators (10 bar working pressure).
- Allowing controlled and accurate partial stroke with diagnostics of safety factors, without the need to vent any actuator over pressure before initiating movement.

EHPC210 Controller

- Bifold Orange provide a wide range of electronic control and positioner solutions for use in hydraulic and pneumatic valve actuation. The EHPC210 Universal Controller is the most advanced controller in the range allowing the same platform to be used for hydraulic and pneumatic positional and partial test actuator systems. This incorporates graphic display, bluetooth communications, integral valve feedback measurement, low power modes, ESD monitoring and control, Partial Stroke Test and local control setting switch. The enclosure assembly allows installation in zone 1 or 2 hazardous areas.

Accuracy of information
We take care to ensure that product information in this catalogue is reasonably accurate and up-to-date. However, our products are continually developed and updated so to ensure accurate and up-to-date information please refer to the product catalogue issue list on our web site or contact a member of our sales team.

When selecting a product, the applicable operating system design must be considered to ensure safe use. The products function, material compatibility, adequate ratings, correct installation, operation and maintenance are the responsibilities of the system designer and user.

Quality Assurance
All Bifold products are manufactured to a most stringent QA programme to ensure that every product will give optimum performance and reliability. We are third party certified to EN ISO 9001:2008. Functional test certificates, letter of conformity and copies of original mill certificates, providing total traceability are available on request, to BS EN 10204.3.1.B where available. We reserve the right to make changes to the specifications and design etc., without prior notice.