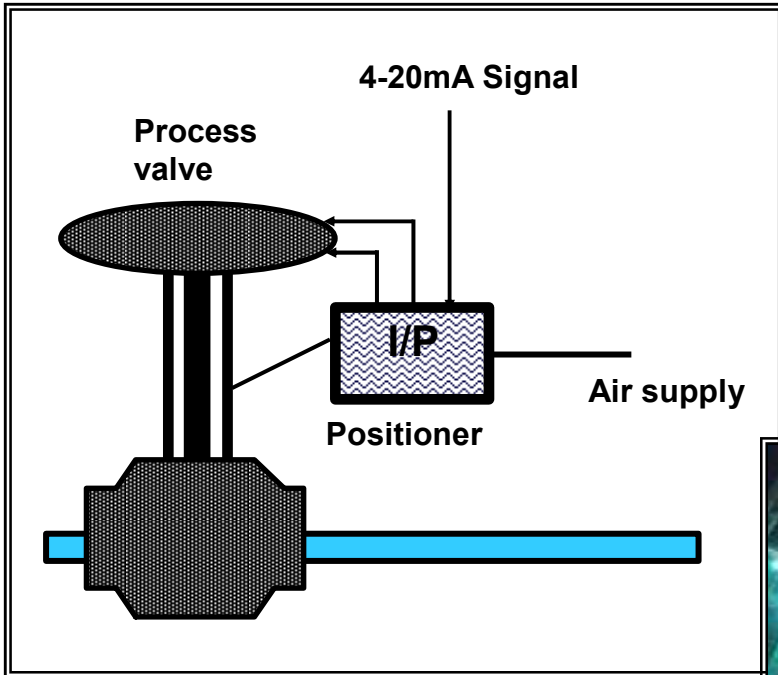


The 122 Pilot Booster I/P converter is *MADE PURELY FOR SPECIFIC CUSTOMER SOLUTION WHO REQUIRE AN INTEGRATED I/P FOR POSITIONER CONTROL* that includes proven moving coil and flapper/nozzle technology. With a built in flow regulator to minimize supply pressure effects. Available in a variety of packages including Explosion Proof enclosures for incorporation into OEM products.

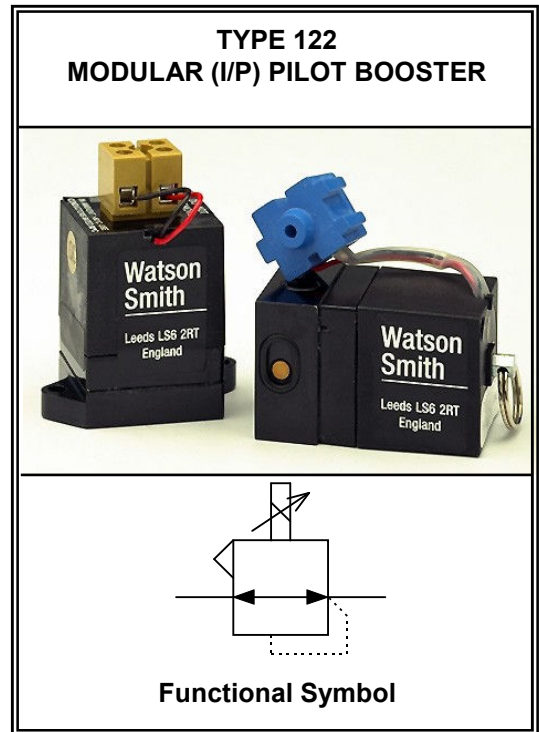
- Low Cost OEM I/P
- Valve Positioner Pilot
- Compact and Rugged
- Specific Application Customising
- Wide Supply Range Available

TYPICAL APPLICATIONS



Solution:

Accurate control of the position of motion control valves via an actuator with accurate positioner control.



Industry:

Any industry requiring higher flows or pressures, i.e Pulp and Paper, Water treatment, Food and Beverage for positioning control valves.



TECHNICAL DATA

Pneumatic

- Output Pressure 0.2-1bar (3-15psig) ;
- Air Supply Oil free, dry air, filtered to <5 microns; 1.4-10 bar (20-150 psig)
- Flow Capacity <1.5nl/min
- Air Consumption <1.5 nl/min typical
- Response Time </=650msecs from 10 to 90% or </=350ms from 90 to 10% of output pressure into a 4.5cc load)
- Linearity +/-0.5% of span
- Hysteresis +/-0.3% of span
- Temperature Effect Typically less than 0.2% span/degC between -40°C to +85°C
- Supply Sensitivity Less than+/- 0.15% of span for supply pressure change
- Connections customised to suit customer requirements

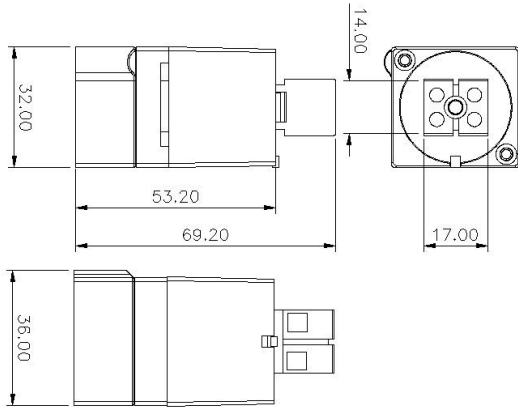
Physical

- Operating Temperature -40°C to +85°C
- Weatherproofing IP20
- Vibration Output pressure changes less than 2% for 2g sine 20-100Hz,
- Electromagnetic Compliant with EC requirements EN Compatibility 50081-2:1994 (Emissions) and EN50082-2:1995(Immunity)
- Material of Construction Zinc diecasting with nitrile diaphragms, customer specific enclosures available
- Mounting Position Any, to be specified by customer

Electrical

- Electrical Signal 4-20mA (two wire);
- Loop Resistance 230Ohm
- Failure Mode Signal falls to below 15mbar (0.2psig) in < 2sec, when input signal fails
- Insulation Resistance >100MOhm at 850Vdc, electrical terminals to case
- Connections Clamping screw connector terminals or flying leads to customer requirements.

Installation Diagram



Characteristic Graphs

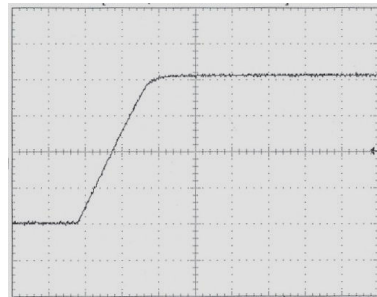


Chart displays 313ms; 10-90% of output pressure

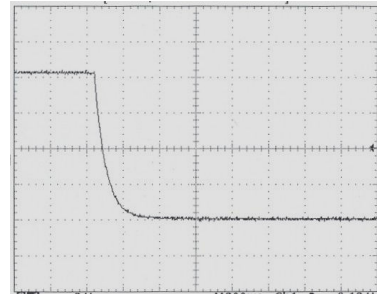


Chart displays 124ms; 90-10% of output pressure

Hazardous Area Certification

The Type 120 can be supplied certified for use in intrinsically safe and flameproof applications, to CENELEC, FM and CSA requirements. For certification and customised units please contact the factory.

Ordering Information

Options to special order:

Standard 1/8" ported base

Alternative pressure ranges

Optional Enclosures

Orientation and Application Specific Calibration set-up



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.