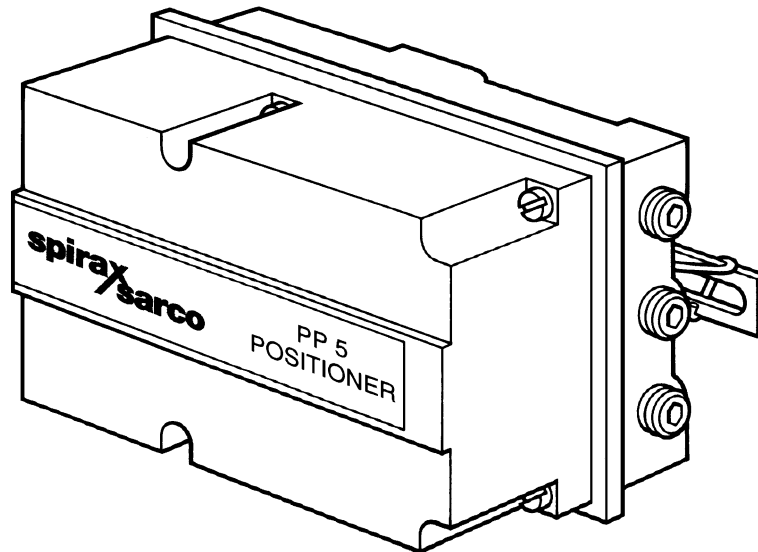


# spirax/sarco®

## PP5 Pneumatic/Pneumatic Positioner



### DESCRIPTION

The PP5 positioner is a single acting unit, requiring a 3 - 15 psi signal and is for use with linear pneumatic actuators. The positioner compares the output signal from a pneumatic controller (or transducer) with the valve position feedback, and varies the pneumatic output signal to the actuator accordingly. The valve position is; therefore, guaranteed for any controller output signal and the effects of varying valve differential pressure, stem friction and diaphragm hysteresis are overcome. The positioners can also be used where the controller output signals are of too low a magnitude to be used directly with high pressure actuators. A mounting kit is supplied with each positioner for mounting either to columns or yoke in accordance with NAMUR standard.

The positioners can be used with the following actuators:  
 PN5000 Series (see TIS 1.512)  
 PN6000 Series (see TIS 1.513)

### TECHNICAL DATA

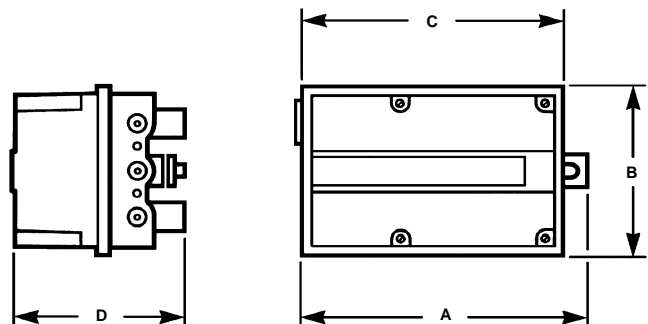
Input signal range	3 - 15 psi (0.2 to 1 bar)
Output signal range	0 to 100% supply air pressure
Supply air pressure	20 to 90 psig (1.4 to 6 barg)
Stroke range	.4 to 4" (10 to 100mm)
Amplification	Adjustable
Hysteresis	Less than 0.5%
Enclosure rating	IP54
Air consumption	13.06 ft <sup>3</sup> /h at 90 psi (0.7m <sup>3</sup> /hr at 6 bar)
Pneumatic connections	1/4" NPT
Ambient conditions	-4° F to 250° F (-20 to 80°C)

### HOW TO SPECIFY

1- PP5 Pneumatic/pneumatic positioner

### DIMENSIONS (NOMINAL) IN INCHES AND MILLIMETERS

A	B	C	D	Weight
7.0	4.3	6.5	4.3	5.5 lb
175	110	165	110	2.8 kg



### MATERIALS

Base plate and cover

Die cast aluminum with anti corrosive paint

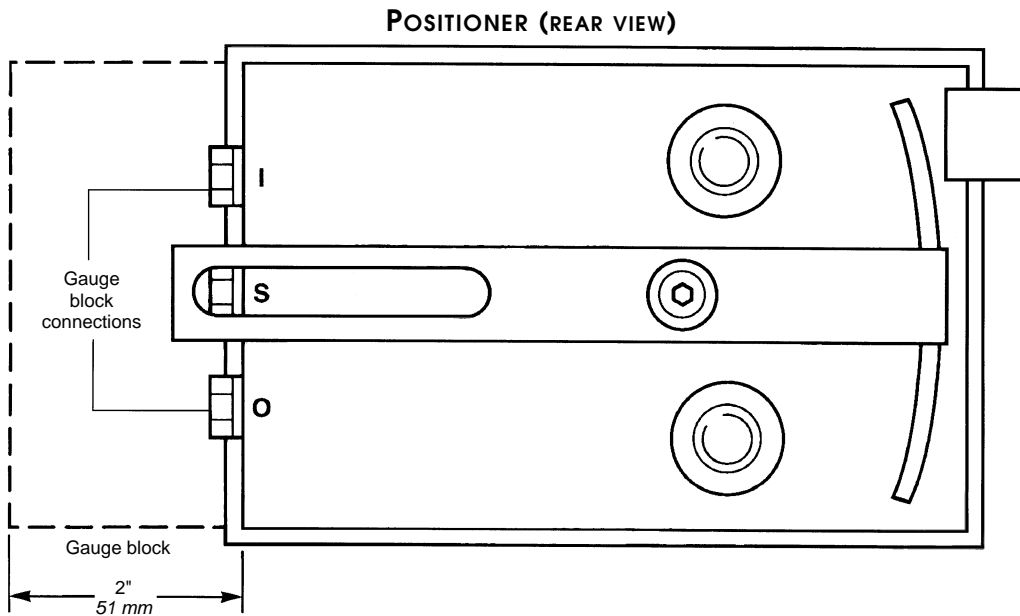
# PP5 Pneumatic/Pneumatic Positioner

## INSTALLATION

Full details are contained in the appropriate Installation & Maintenance Instructions supplied with the product.

## AIR CONNECTIONS (rear view)

Air Connections 1/4" NPT



## SPARES

Gauge 0-30 psi output

Gauge 0-60 psi output

Gauge 0-120 psi output

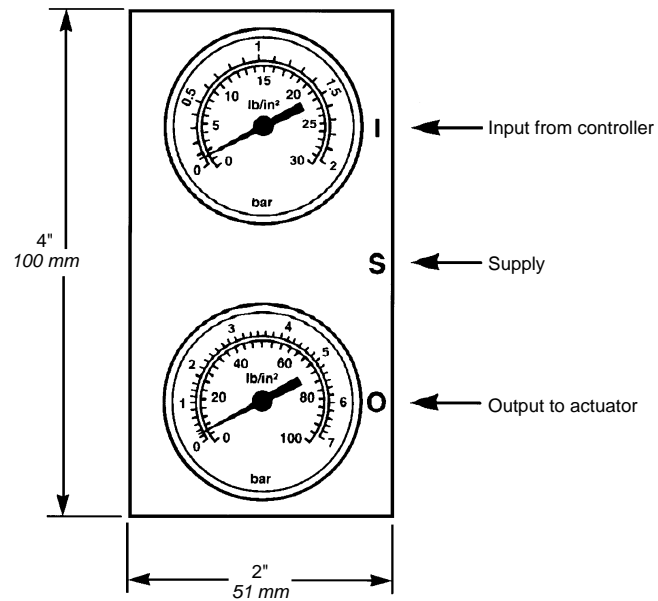
Springs and pneumatic tube set

Set of gaskets, diaphragms and orifice

Amplifying relay set

Block for gauges

## GAUGE BLOCK (FRONT VIEW)



TIS 1.610 US 07.97