

Pneumatic Pressure Controller

HPPC-01
08/02

Staitech

Pneumatic Pressure Controller

The pneumatic pressure controller is designed to operate in conjunction with a pneumatically actuated valve accepting a 0.2-1 or 0.4-2 bar signal. Available with either proportional or proportional plus integral control action, the unit offers a simple and effective solution to pressure control applications in either clean steam, liquid(WFI) or gas applications.

The unit senses line pressure via a Tri-Clamp compatible diaphragm seal connected to the controller with a capillary tube. Where CIP or SIP is carried out, the unit can be supplied with a manual override which allows a control valve to be held open when required without losing control settings.

Features offered by the Pneumatic Pressure Controller include:

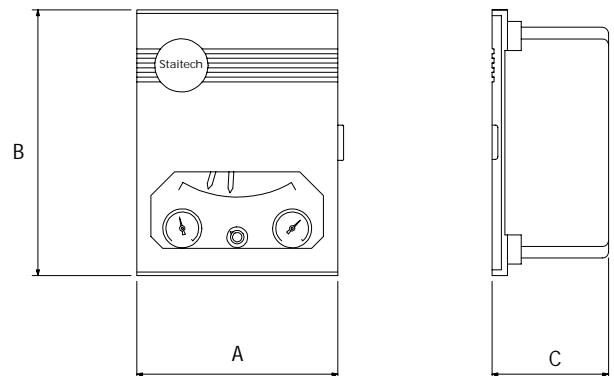
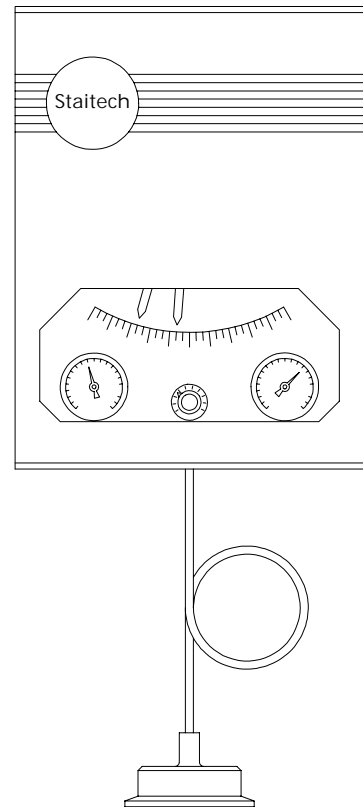
- Accurate pressure control - with P&I control, the unit will ensure accurate control, even with fluctuating loads.
- Simple to install - requiring only a low pressure air supply, the unit is simple to install.

Product specification

Control action	Proportional or Proportional + Integral
Pressure scale range*	0-4, 0-5, 0-6, 0-7, 0-8 or 0-10 bar
Sensing line connection	2" Tri-Clamp diaphragm seal
Diaphragm seal material	316 stainless steel
Diaphragm seal surface finish	0.8 or 0.5 microns Ra
Capillary length	2m or 5m
Case material	Die cast aluminium with ABS front
Case integrity	IP54
Mounting	Panel or wall
Supply air pressure	1.4 bar(2.4 bar for 0.4-2 o/p signal)
Output	0.2-1 or 0.4-2 bar
Adjustable P. Band	20 + 200%
Adjustable reset time(P+I unit only)	0.05 - 15min
Accuracy	≤1%
Hysteresis, linearity & repeatability	≤0.5 %
Ambient temperature limitations	-20 - 80°C
Options	Manual override
Air connections	1/4"NPT

*alternative ranges available upon request

NOTE: unit not suitable for use where vacuum may be experienced - autoclaves, freeze driers. Consult Staitech for further advice.



Dimensions(mm)

A	B	C	Panel cut-out	Weight(kg)
170	225	100	165x218	4