Lottinger



400 Series Automatic Gas Switchover Panel Stainless Steel or Brass Barstock Regulator



For High Purity Gases

Description

The P5 Automatic Gas Switchover Panel is designed to provide a seamless flow of high purity (up to grade 6.0+), toxic, reactive, or corrosive gases from two sources such as cylinders or cylinder bundles without user intervention.

Manufactured in an ISO 9001:2008 certified facility, each P5 panel is 100% Helium leak checked and cleaned for oxygen service.

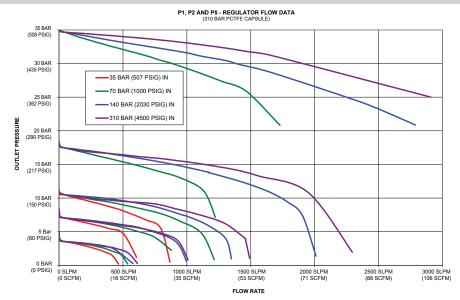
Features

Pressure differential switchover
Automatically change gas source without supply interruption
Metal to metal diaphragm seals
High leak integrity and no contamination
316L stainless steel convoluted diaphragms
Durable and diffusion resistant membrane
CAPSULE® seats with 10 micron filtration
Long service life and reliable performance
Stainless steel panel
Clean appearance and easy installation
Internal process or inert gas micro-purge
 Purity and safety maintained during cylinder changes
Pipe away relief valve
Safely vent gas
Wide range of outlet pressures
Broad range of applications

Specifications

Regulator: 310 bar (4500 psig) Diaphragm Valve: 240 bar (3500 psig)
-40°C to 60°C (-40°F to 140°F)
1x10 ⁻⁸ scc/sec
53mm (2") diameter
0.1

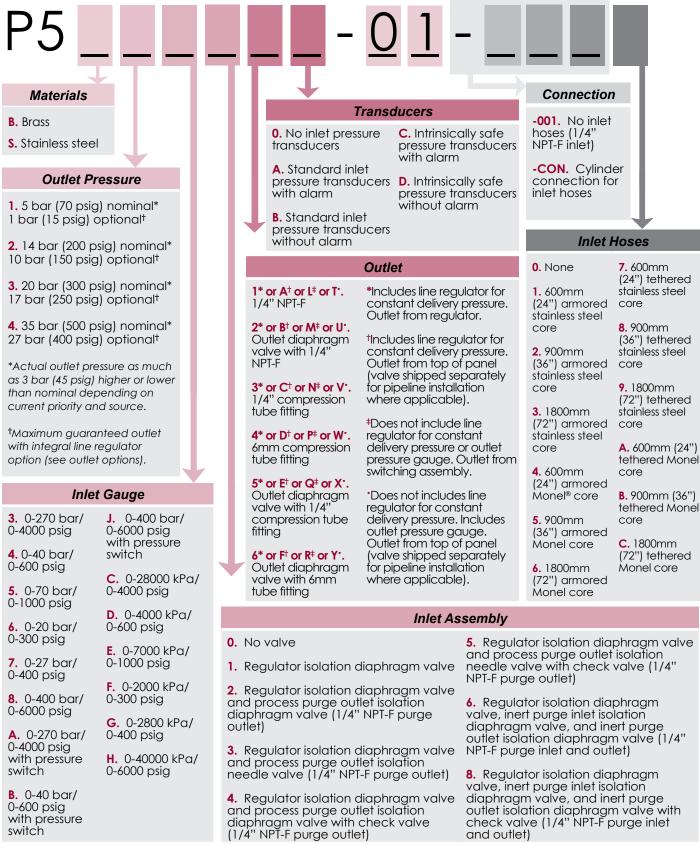
Flow Data



Materials

		P5S	P5B
Regulator	Body	316L stainless steel barstock	Brass barstock
	Bonnet	Chrome-plated brass barstock	Chrome-plated brass barstock
	Seat	PCTFE	PCTFE
	Filter	10 micron 316L stainless steel	10 micron sintered bronze
	Diaphragm	316L stainless steel	316L stainless steel
Diaphragm Valves	Body	316L stainless steel barstock	Brass barstock
(Optional)	Diaphragms	Elgiloy®	Elgiloy
	Seat	PCTFE	PCTFE
	Seals	Metal to metal	Metal to metal
Needle Valves	Body	316L stainless steel barstock	Brass barstock
(Optional)	Stem	316L stainless steel	316L stainless steel
	Packing	Glass-filled PTFE	Glass-filled PTFE
Gauges	Case	Stainless steel	Chrome-plated brass
	Stem	316L stainless steel	Nickel-plated brass
	Bourdon tube	316L stainless steel	Copper alloy
Pipe Fittings		316L stainless steel	Brass
Tube Fittings		316L stainless steel	316L stainless steel
Panel		14 gauge 304 stainless steel	14 gauge 304 stainless steel

P5 Ordering Information



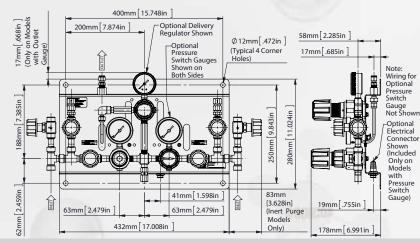
EXAMPLE

P5<u>S33260-01-D06</u>2

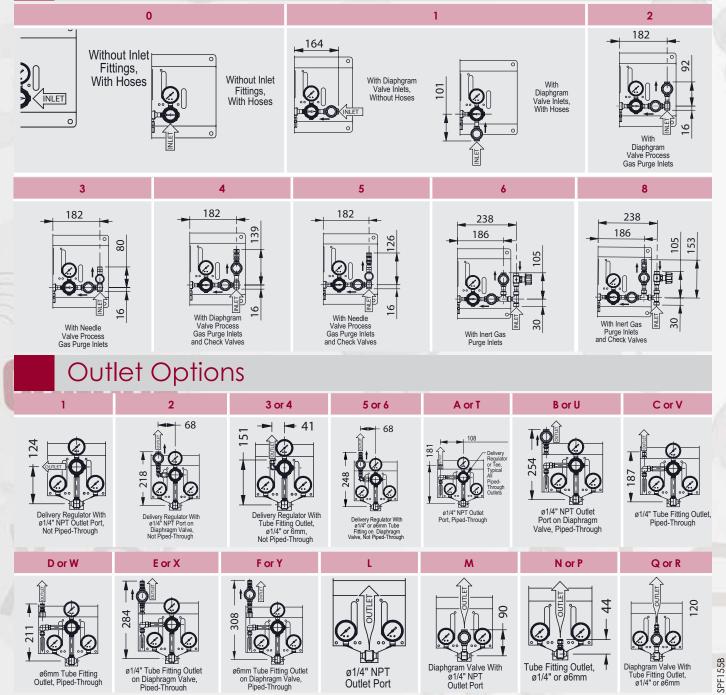
Stainless steel P5 assembly with an integral line regulator providing constant pressure up to a maximum of 17 bar; 0-270 bar/0-4000 psig inlet gauges; regulator inlet isolation valves and process purge isolation valves; outlet diaphragm valve with 6mm compression tube fitting from the integral line regulator; no inlet pressure transducers; and 900mm (36") length armor-jacketed 316L stainless steel flexible hoses with DIN 477 #6 cylinder connections.

P5 Installation and Typical Configuration

<u>TYPICAL SYSTEM - P5S1A8F0-01-0010 Shown:</u> Dimensions shown are typical for all P5 series systems unless otherwise noted. Dimensions are shown on one side only. Dimensions on opposite side are mirror image.



Inlet Assembly Options



Note: All inlet options use a 1/4" NPT female port. Right-hand inlets are shown. Left-hand inlets are mirror image. All dimensions are in mm.