

PILOTS

"P" & "P5" Pilot

Pressure Pilot for HD & D Regulating Valves

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Pressure Pilot

- Outlet Pressure Range: 3-200 PSIG
- P-Pilot Standard for ± 1 PSIG accuracy
- P5-Pilot Special for ± 0.5 PSIG accuracy



PRESSURE-ADJUSTING SPRING RANGES

"P" (pressure)	"P5" (pressure)	Identifying Colors
3-25 PSIG	1-10 PSIG	yellow
20-100 PSIG	10-25 PSIG	blue
80-200 PSIG	-	red

MATERIALS

Pilot Body & Cover	Ductile Iron
Gasket	Grafoil
Diaphragm	Phosphor Bronze
Head & Seat Assembly	Hardened SST (55Rc)

TYPICAL APPLICATIONS

The "P" or "P5" Pressure Pilots used with either the HD or D Regulator control steam pressure in steam mains or for process equipment. Pilot operated regulators will maintain constant downstream pressure even when the inlet pressure to the valve fluctuates or steam usage varies.

FEATURES

- The "P" Pilot can maintain downstream pressure to ± 1 PSIG
- Optional "P5" Pilot can maintain downstream pressure to ± 0.5 PSIG
- Choices of 3 overlapping pressure ranges
- In-line change of pressure control spring
- Pilot installs using four bolts
- Full port strainer and blow-down valve on HD pilot adapter to eliminate failure caused by contaminated steam systems
- Can be used with temperature and solenoid control pilot
- Solid floating diaphragm
- Watson McDaniel's pilots can be used with other manufacturers regulators

OPTIONS

- Pressure pilot can be used with temperature pilot to eliminate the need for two separate regulators.
- Solenoid pilot can be added for remote on/off control of regulator
- P5 Options: Call factory for special "P5" Pilot which will maintain ± 0.5 PSIG accuracy

RECOMMENDED PRESSURE

Differential Pressure: 10 PSIG minimum

Minimum Inlet Pressure: 15 PSIG*

*Minimum Inlet Pressure for Temperature Regulator: 5 PSIG

HOW TO ORDER

"P" or "P5" PRESSURE PILOT

Specify: • Reduced pressure range.

REGULATOR BODY

Specify: • HD or D regulator body.
• Regulator size or capacity.
• End connections (threaded, 125/150/250/300# flanged).

