

## "BP" Pilot

### Back Pressure Pilot for HD & D Regulating Valves

Revised 9/2004

## Back Pressure Pilot

- **Back Pressure Range:  
10-200 PSIG**



### PRESSURE-ADJUSTING SPRING RANGES

Pressure	Identifying Colors
10-25 PSIG	yellow
20-100 PSIG	blue
80-200 PSIG	red

### TYPICAL APPLICATIONS

The "BP" Back-Pressure Pilot used with either the HD or D regulator, maintain upstream pressure in steam systems. These regulators are commonly used to supply flash steam to low pressure mains.

### FEATURES

- The "BP" Pilot can maintain upstream pressure to  $\pm 1$  PSIG
- Choices of three overlapping pressure ranges
- Pressure adjusting spring can be changed with regulator in-line
- Pilot installs using four bolts
- Full port strainer and blow-down valve on HD pilot adapter to eliminate failure caused by contaminated steam systems
- Solid floating diaphragm
- Watson McDaniel's pilots can be used with other manufacturers regulators

### OPTIONS

- Can be used with solenoid pilot for on/off control.

### RECOMMENDED PRESSURE

Differential Pressure: 10 PSIG minimum  
Minimum Inlet Pressure: 15 PSIG\*

\*Minimum Inlet Pressure for Temperature Regulator: 5 psig

### MATERIALS

Pilot Body & Cover	Ductile Iron
Gasket	Garlock 3400
Diaphragm	Phosphor Bronze
Head & Seat Assembly	Hardened SST (55Rc)

### HOW TO ORDER

#### "BP" BACK PRESSURE PILOT

Specify: • Back pressure range.

#### REGULATOR BODY

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

