

# "BP" Pilot

Back Pressure Pilot for D & HD Regulating Valves

Revised 7/2002

## Back Pressure Pilot

- Back Pressure Relief  
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 **D-Series** and **HD-Series** Regulator used with the **"BP" Back-Pressure Pilot** are used for maintaining 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: • **D** or **HD** regulator body.  
• Regulator size or capacity.  
• End connections (threaded, 125/150/250/300# flanged).

