

# "BP" Pilot

Back Pressure Pilot for HD Regulating Valves

## Back Pressure Pilot

- **Max Inlet Pressure: 300 PSIG**
- **Back Pressure Range: 10-200 PSIG**
- **Minimum Inlet Pressures:**
  - 15 PSIG when used with standard main valve
  - 5 PSIG when used with low pressure main valve



PILOT-OPERATED REGULATING VALVES

### PRESSURE-ADJUSTING SPRING RANGES

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

### MATERIALS

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

### TYPICAL APPLICATIONS

The "BP" Back-Pressure Pilot used with the HD regulator, maintains 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 is easily installed using only four bolts
- Full port strainer and blowdown valve on pilot adapter for ultimate protection from dirt and scale
- Solid floating diaphragm is more failure resistant
- Watson McDaniel's pilots can be used with other manufacturers' regulators

### OPTIONS

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

### MINIMUM OPERATING PRESSURES

Minimum Inlet Pressure:

- 15 PSIG (Standard Main Valve)
- 5 PSIG (Low Pressure Main Valve)

Minimum Differential Pressure:

- 10 PSI (Standard Main Valve)
- 3 PSI (Low Pressure Main Valve)

### HOW TO ORDER

#### "BP" BACK PRESSURE PILOT

Specify: • Reduced pressure range –

Example: "BP" Pilot at 20-100 PSIG, blue

#### REGULATOR BODY

- Specify:
- HD regulator body
  - Regulator size or capacity
  - End connections (threaded, 150/300# flanged)

