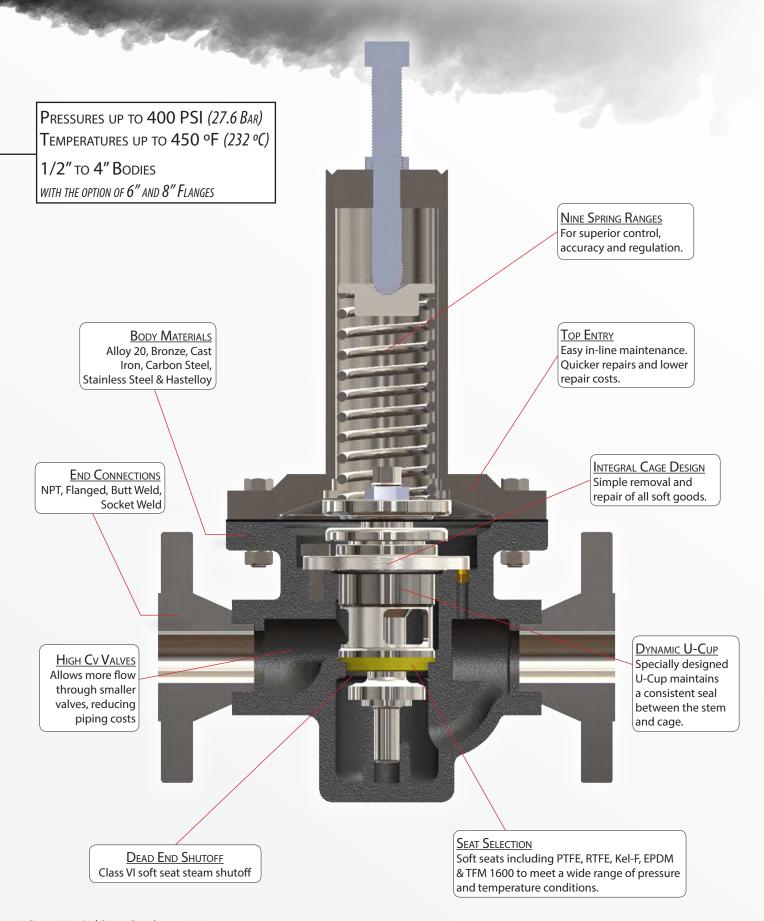
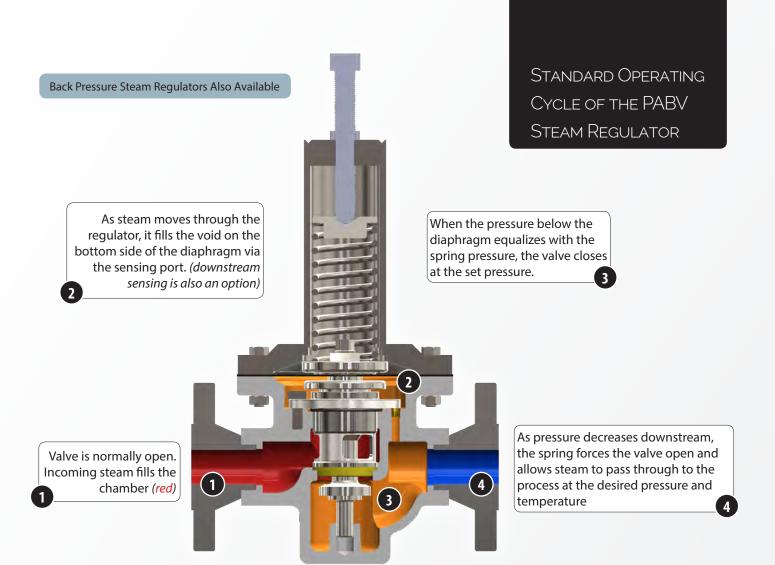
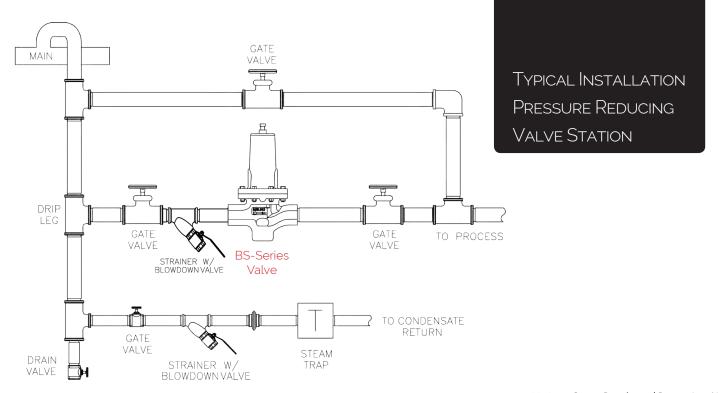
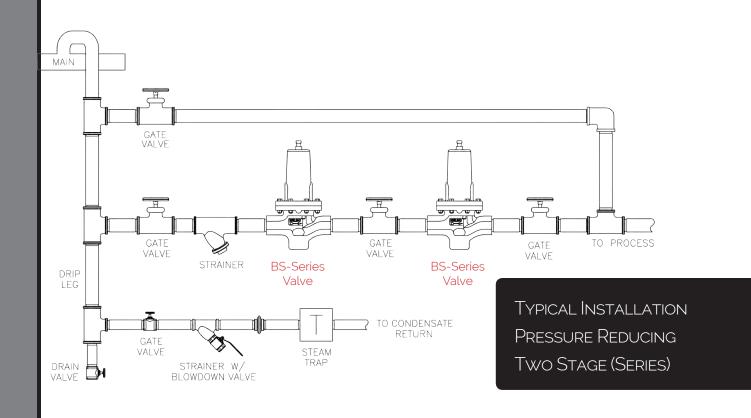


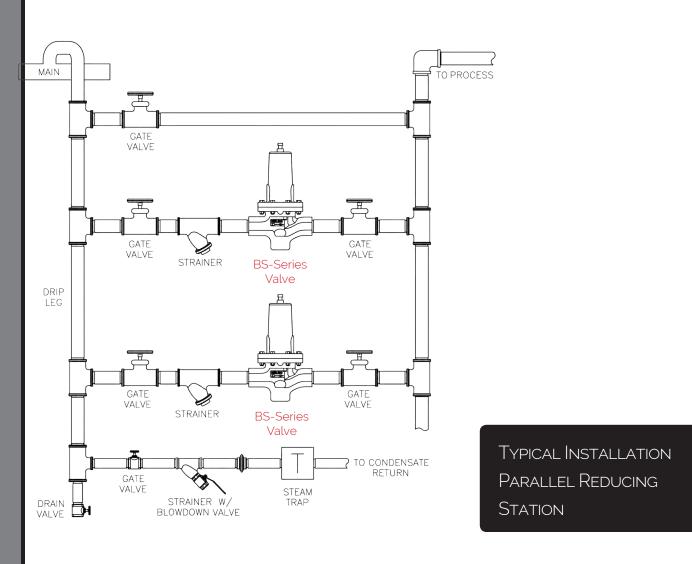
PROPORTION-AIR STEAM REGULATOR













MECHANICAL
CONTROL TYPES AND
CONFIGURATIONS

BS-1 Series

Direct Operated (Spring)
Internally or Externally Sensed
Accuracy: ± 7 psi



Dome-Loaded with Manual Air Pilot Internally or Externally Sensed Accuracy: ± 1-2 psi





BD-7 Series

Dome-Loaded *with* Steam Pilot **Accuracy:** ± 0.1-0.2 psi

Single-Loop Electronic Control

ELECTRICAL

CONTROL TYPES AND

CONFIGURATIONS

BD-4 Series

In Single-Loop configuration, the electronic pilot controls pressure to the dome of the PABD steam regulator. As the diaphragm forces equal out, the pressure in the main line is controlled.

However, the electronic controller does not know the pressure in the main line and cannot adjust to leaks, backpressure and mechanical deficiencies.

Accuracy: ± 2-4%



Dual-Loop Electronic Control

BD-4 Series

With Dual-Loop control, the electronic pilot controls pressure to the dome of the PABD steam regualtor. As the diaphragm forces equal out, the pressure in the main line is controlled.

But, instead of sensing pressure in the dome, a 2nd loop is added that senses pressure in the main line and allows the electronic regulator to compensate for leaks, back pressure and any mechanical deficiencies.

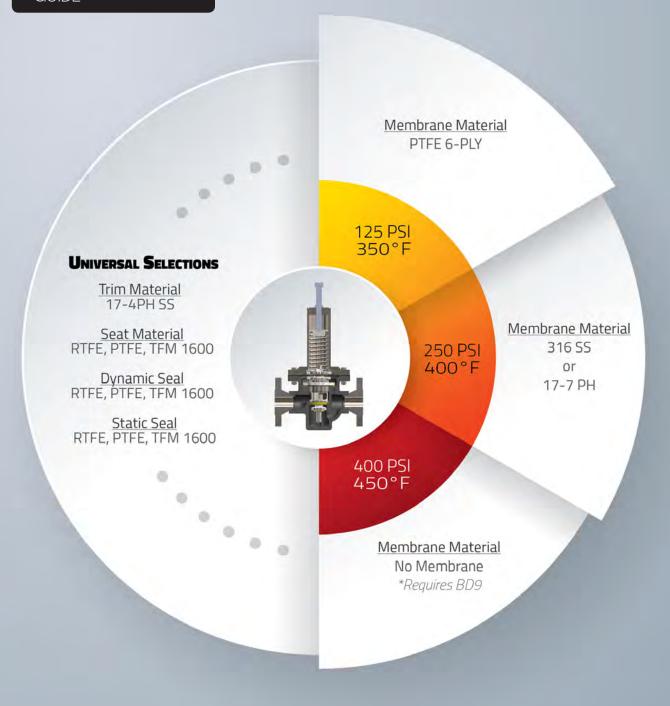
Accuracy: ± 0.5%



STEAM REGULATOR

MATERIAL SELECTION

GUIDE



*For temperatures between 450°F & 500°F contact factory



