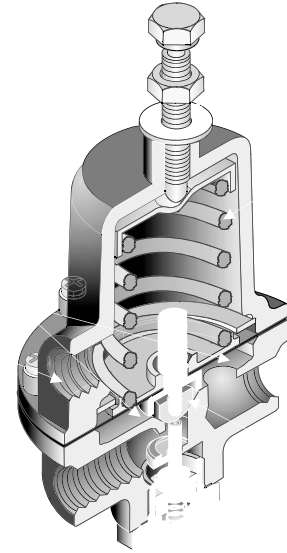


# Model 66BP Pneumatic Stainless Steel Back Pressure Regulator

## Features

- Control sensitivity to 1" water column allows use in precision applications.
- Large Control Diaphragm area for increased sensitivity.
- Fluorocarbon Elastomers are compatible with corrosive materials and environments.
- Valve Damper eliminates hunting and buzzing.
- Line or Panel Mounting provides flexibility for installation.



## Operating Principles

When you adjust the Range Screw to a specific setpoint, the Range Spring exerts a downward force against the top of the Control Diaphragm. This downward force closes the Relief Valve. When the force from the system pressure that acts on the bottom of the Control diaphragm is less than the force that acts on the top of the Control Diaphragm, the Relief Valve remains closed.

When the system pressure increases, the force that acts on the bottom of the Control Diaphragm increases until it reaches the setpoint.

When the system pressure rises above the setpoint, the Diaphragm Assembly moves upward lifting the Relief Valve from its seat and vents the excess pressure from the system. The relief valve closes as set point is reached.



# P.S.I. Supplies Pty Ltd

Catalogue extract for:

## **Fairchild Model 66BP Pneumatic Stainless Steel Back Pressure Regulator**

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