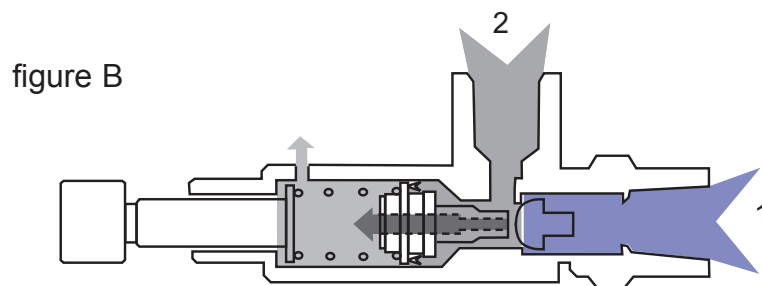
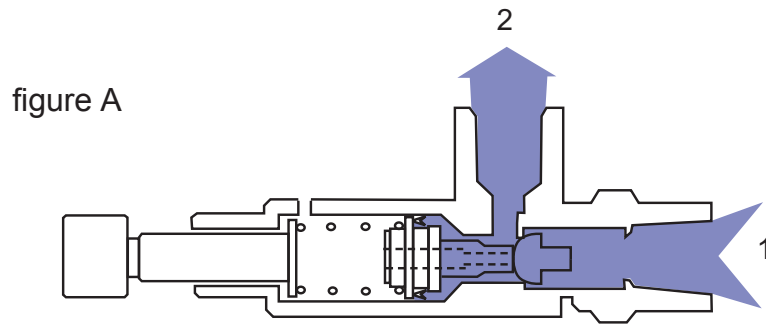


Cross Section

Cross section shown intended to show flow paths only. Not representative of all valve configurations offered by Pneumadyne

Rely on Pneumadyne's fluid power expertise, design experience and manufacturing capabilities when developing your fluid handling applications



Pressure Regulator Relieving

Function

Figure A - Adjustment of the control knob to a pre-determined level shifts the piston, unseating the Buna-N poppet and allowing air to flow through port 1 to port 2. When the set pressure is reached, the pressure under the piston and the force exerted by the spring are balanced producing a regulated output at port 2. A minimum of 30 psi input is required to maintain regulation.

Figure B - When downstream pressure exceeds the set level the poppet is seated -blocking input flow 1. The back pressure flows in output 2 lifting the Buna-N cup seal and piston allowing air to pass through the hollow stem and out the exhaust port 3.