

**VALVE APPLICATION & FUNCTION**

* NGT’s PO checks can be used in any pneumatic application where a sudden drop in pressure would harm personnel, damage products, or otherwise hinder the manufacturing process
* Typical applications of PO checks are clamping, work holding, & lifting equipment, doors, platforms, and material
* Air tight design means little to no leaking. Design tightens with increased pressure
* All aluminum o-ring grooves and faces are hard coat anodized with Teflon coating to reduce wear and increase seal life
* Nickel plated steel piston rod for strength and corrosion resistance

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| **TECHNICAL DATA** |
| *Part Number:* | B8100 | B810M | B81FM |
| *Button Type:* | None | Standard | Flush |
| *Port Sizes:* | 1/2” NPTF IN/OUT |
| *Pilot Port:* | 1/4" NPTF |
| *Max. Pressure:* | 150 psi |
| *Min. Pilot Pressure:* | 40 psi25 psi (see table) |
| *Leak Rate:* | .0000522 cc/min |
| *Temp. Range:* | 30° – 150° F 30° – 350° F (see table ‘-V’)-40° – 150° F (see table ‘-T40’) |
| *Cycle Rate:* | 1 cyc./sec. max. |
| *Flow Capacity:* | 3.8 (Cv) |
| *Cracking Press:* | 1-2 psi |
| *Service:* | Filtered dry air or lubricated air |







*For high temp seals (30*°-350° F*) add (-V) to the model*

*For low temp seals (-40*°-150° F*) add (-T40) to the model*

*For a lower pilot pressure add (-K18) to the model*

(ex. B81XX-T40)