



### INDEX

---

Backpressure Regulators	117
-------------------------	-----

#### Disclaimer

The maximum holding pressure for any type of connection involving tubing and a ferrule, varies considerably with the tubing material, the ferrule material, the clearance between tubing OD and ferrule ID and the shape of the fitting detail.

Backpressure Regulators

SPECS

**Wetted parts**

Housing: PEEK  
Membrane: polyimide

**Dimensions**

For OD 1/16" Tubing

**Threads**

10-32

**Tolerances**

+/- 0.05 mm (.002")

**Pressure rating**

See Chart

**Special Info**

May be used between detector and other devices without affecting the performance

**Dead volume**

0.25 µm (theoretical)

Backpressure Regulators

NEW

- Improves baseline stability by preventing bubble formation in flow cell
- Adjustable backpressure without disconnecting
- Low dead volume
- Biocompatible
- Easy mounting, panel hole 17 mm

Even properly degassed mobile phases may contain some dissolved gases that can release bubbles in the detector flow cell resulting in baseline noise and drift. The Backpressure Regulator provides a quick and convenient way to improve the stability of detector baseline by providing a constant backpressure on the flow cell which stops the release of dissolved gases from the mobile phase. A spring-loaded diaphragm provides the force that generates the backpressure. Spring tension may be adjusted using the backpressure adjustment screw on the top of

the regulator to vary the backpressure without disconnecting.

Because of the unique design, the Backpressure Regulator has a very small internal volume. Installed between two detectors in a multi-detector system, or between a detector and fraction collector system, or between a detector and fraction collector it will not affect the peak shape. Typically, 90 % or more of a given component's efficiency will be retained upon passing through the regulator. And the fluid path is completely biocompatible!



Backpressure Regulators

Part No.	Description
JR-BPR1	Variable between 1-20 bar (15-300 psi)
JR-BPR2	Variable between 20-103 bar (300-1500 psi)