

Backpressure regulator

SPECS

- For 1/16" OD tubing
- Materials
 - Wetted parts: PEEK/CTFE
 - Housing: PEEK/CTFE
 - Membrane: Polyimide
- 10-32 threads
- Dead volume: 0.25 µl (theoretical)

- Improves baseline stability by preventing bubble formation in the flow cell
- Adjust backpressure without disconnecting anything
- Completely biocompatible fluid path, with low dead volume
- Easy mount with 17 mm panel hole, 9 mm maximum thickness

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 VICI Jour backpressure regulator provides a quick and convenient way to improve the stability of detector baseline by providing a constant back-pressure on the flow cell, which stops the release of dissolved gases from the mobile phase.

Because of the unique design, the backpressure regulator has a very small internal volume. The peak shape is not affected when the regulator is installed between two detectors in a multi-detector system, or between a detector and a fraction collector or fraction collector system. Typically, 90% or more of a given component's efficiency will be retained upon passing through the regulator.

A spring-loaded diaphragm provides the force that generates the back-pressure. Spring tension may be adjusted using the backpressure adjustment screw on the top of the regulator to vary the backpressure without disconnecting any lines.

Backpressure regulators are available in two ranges: 1-20 bar (15-300 psi) and 20-103 bar (300-1500 psi), and two housing types: PEEK and CTFE.

Range		Housing	Product No.
1-20 bar	15-300 psi	PEEK	JR-BPR1
		CTFE	JR-BPR1KF
20-103 bar	300-1500 psi	PEEK	JR-BPR2
		CTFE	JR-BPR2KF



ValvTool

- For making connections in hard-to-reach areas
- Ideal for nuts with 1/4" hex and 5/16" heads

The ValvTool is a time-saving device which provides easy access to many hard-to-reach areas. The unique design with its slotted wrench allows tightening of nuts where a loop or a capillary might otherwise make it difficult. The ValvTool is ideal for Valco and Rheodyne® valves and fittings, as well as most of the HPLC and PEEK fittings on the market with 1/4" and 5/16" heads.

Description	Product No.
ValvTool wrench 1/4" and 5/16"	JR-800



ValvTool shown loosening a nut on a valve
(Valve and loop not included)