

# IBR Back-Pressure Regulator



The Welker I-Series Instrument Regulators maintain pressure control in analytical, process, sampling, or injection systems to protect sensitive equipment from costly damage.

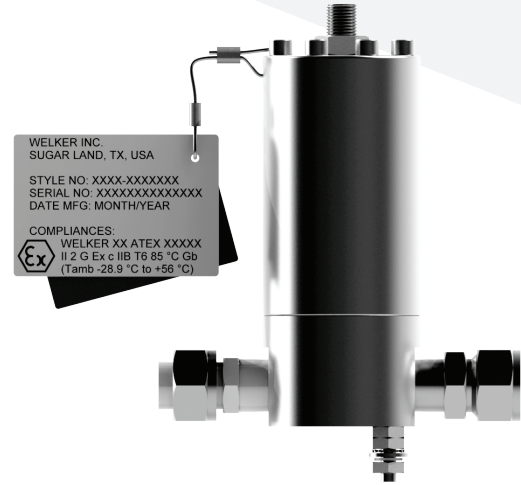
The IBR model of the I-Series is a standalone, spring-loaded, piston-sensing back-pressure regulator suitable for controlling gases and low-viscosity liquid products. By controlling its inlet pressure, the IBR helps to balance system pressure and product flow.

## Features

- Piston-sensing
- Multiple flow coefficients
- Lockable set point
- Low internal volume
- Stainless steel construction

## Benefits

- Capable of regulating higher pressures
- Adaptable to pressure requirements of upstream equipment
- Responsive control and reduced lag time
- Minimized corrosion, adsorption, and chemical reactivity



## SPECIFICATIONS

IBR BACK-PRESSURE REGULATOR

### IBR

Materials of Construction	Body: 316/316L Stainless Steel Seat & Seals: Viton®
Maximum Allowable Inlet Pressure	3600 psig @ -20 °F to 200 °F (248 barg @ -28 °C to 93 °C)
Ports	Inlet: ½" FNPT Outlet: ½" FNPT
Flow Coefficient (C <sub>v</sub> )	0.03 0.06 0.10 0.40
Pressure Control Range	25 up to 2250 psig (1.7 up to 155 barg)
Operation	Piston-Operated
Features	Lockable Set Point, Screw Adjustment
Product Compliance	ATEX Non-Electrical, CE/PED, NACE MR0175
Weight	Approx. 8 lb (3.6 kg)

Weight and/or dimensions are approximate.  
Specifications subject to change without notice.

