ISD Regulator Instrument Regulator

REGULATE

The Welker I-Series Instrument Regulators maintain downstream pressure control in analytical, process, sampling, or injection systems to protect sensitive equipment from costly damage. These instrument regulators are spring-loaded pressure-reducing valves designed to reduce a higher pressure filtered pneumatic supply to a lower outlet pressure safe for downstream instrumentation.

The ISD model in the I-Series is a standalone diaphragm-sensing instrument regulator suitable for use in general and corrosive environments.

Features

- Compact design
- Multiple flow coefficients and pressure control ranges
- Port configuration options
- All 316/316L stainless steel body and trim
- Knurled spring housing

Benefits

- Suitable for small enclosures and panel mounting
- Adaptable to pressure requirements of downstream equipment
- Select accessory arrangement best suited for the installation and application
- Prevent hand slippage during maintenance
- Uncomplicated maintenance requires no special tools and little downtime

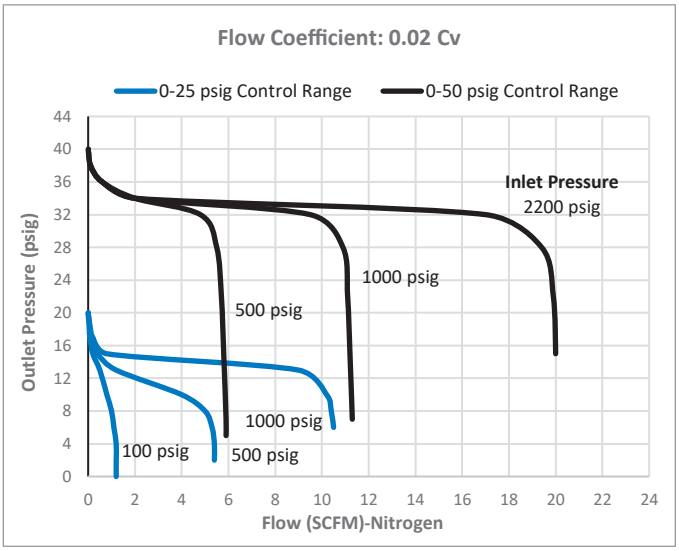
SPECIFICATIONS

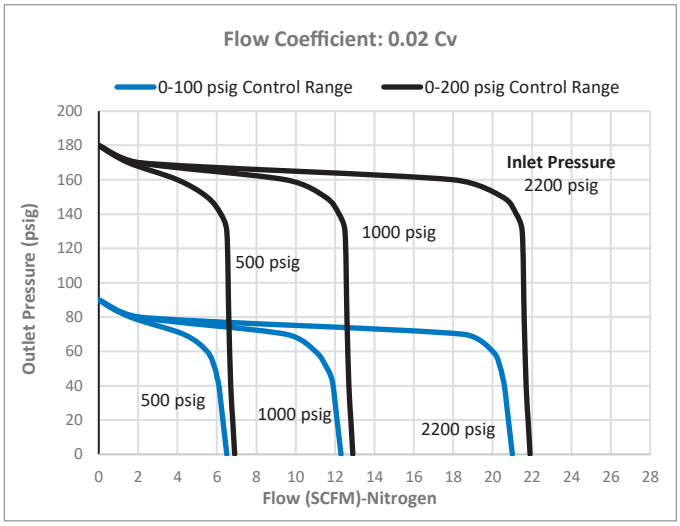
ISD INSTRUMENT REGULATOR

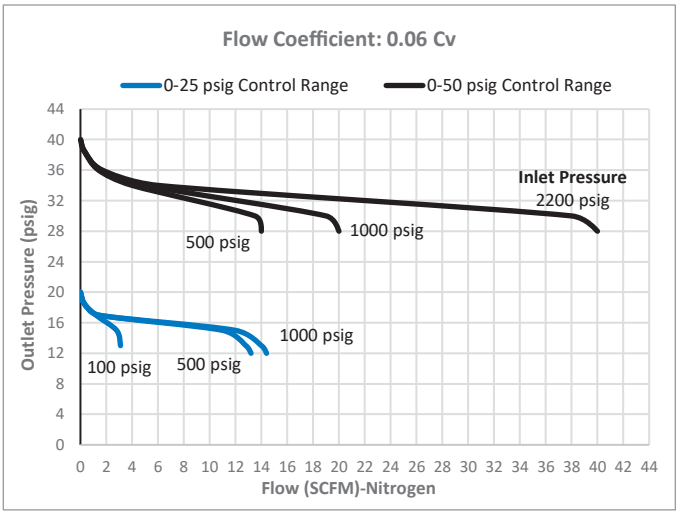
	ISD
Materials of Construction	316/316L Stainless Steel, Buna Nitrile, and PCTFE
	Others Available
Maximum Allowable Inlet Pressure	6000 psig
Temperature Range*	32 °F to 392 °F
Ports	¼" FNPT Inlet, Outlet, Relief, and Gauge
Flow Coefficient (C_V)	0.02
	0.06
	0.10
Pressure Control Ranges	0–25 psig
	0–50 psig
	0–100 psig
	0–200 psig
Weight	2 lb
Options	(3) Port Configurations

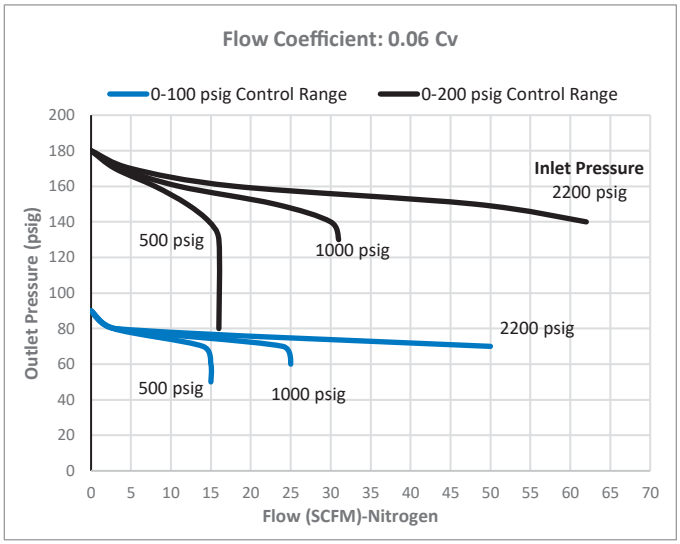
Weight and/or dimensions are approximate.
Specifications subject to change without notice.

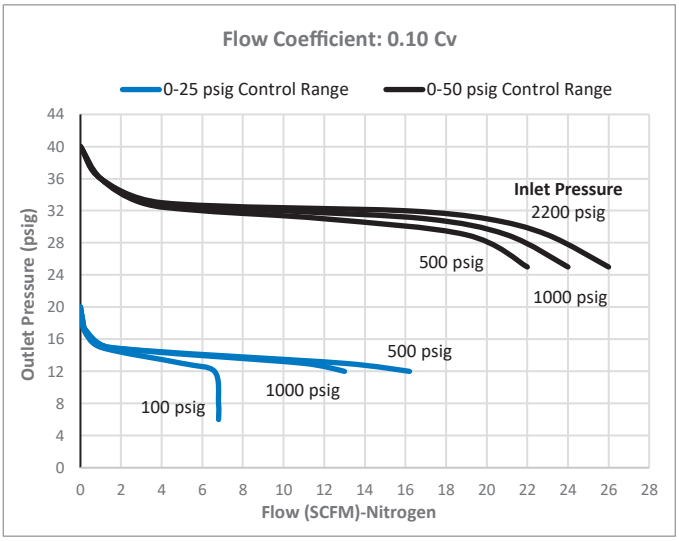
ISD FLOW DATA

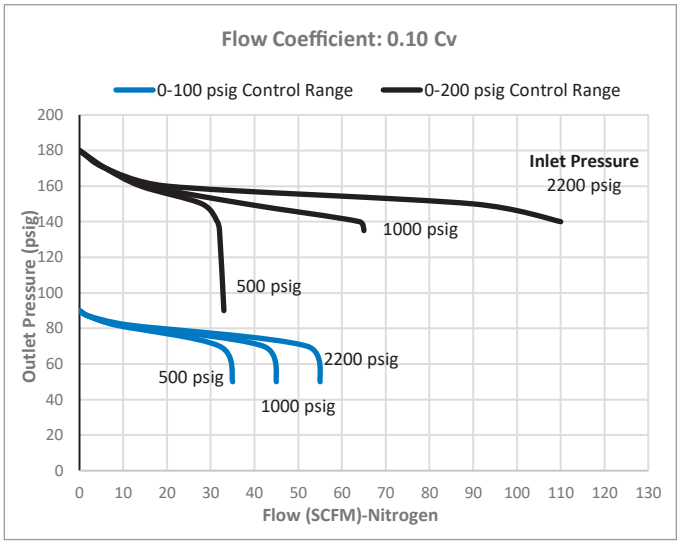












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