

ISD Regulator Instrument Regulator



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

