

# NR31 SERIES

## Dual-Stage Regulator



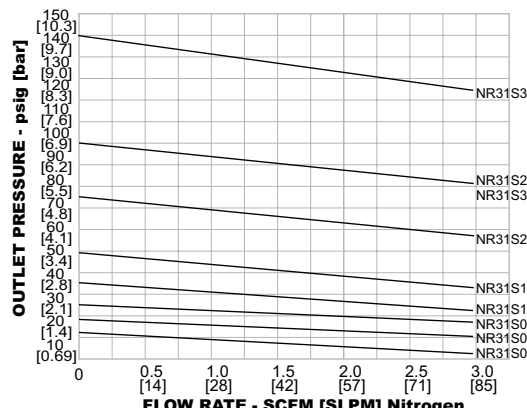
### Features

- Specially designed to regulate high pressure gas to low pressure status.
- Provide a continuous, accurate outlet pressure regardless of inlet pressure fluctuations
- Features a unique metal-to-metal diaphragm to body seal
- Diaphragms are convoluted for greater accuracy and sensitivity
- Available in chrome plated brass

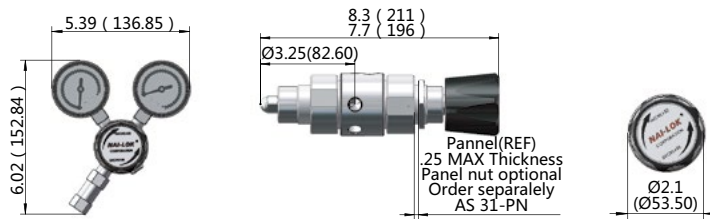
### Technical Data

Ports	1/4" NPT
Design Proof Pressure	150% maximum rated pressure
Body Material	316 Stainless steel / Chrome plated brass
Bonnet Material	Stainless steel / Brass
Diaphragm	Hastelloy® / 316 Stainless steel (standard)
Seat	Teflon®
Maximum Inlet Pressure	3500 psig (241 bar)
Outlet Pressure Ranges	0-25 psig (0-1.7 bar) / 0-50 psig (0-3.4 bar) / 0-100 psig (0-6.9 bar) / 0-250 psig (0-17.2 bar)
Operating Temperature	-40°F to 165°F (-40°C to 74°C)
Leakage	Internal: Bubble-tight External: Design to meet $\leq 2 \times 10^{-8}$ atm cc / sec He
Flow Capacity	Cv=0.05
Standard Optional	CGA, Inlet and outlet gauges, relief valve

### Flow Data



### Dimension (mm)



Dimension drawings shown are for reference only.

### Ordering Information

NR31	S	0	F	4	1	4	W	R
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	INLET PRESSURE	PORT TYPE	GAUGE	OPTION
NR31	C - Chrome plated brass S - 316 Stainless steel	0 - 0-25psig 0-1.7bar 1 - 0-50psig 0-3.4bar 2 - 0-100psig 0-6.9bar 3 - 0-150psig 0-10.3bar 4 - 0-250psig 0-17.2bar	F - NPTF	4 - 1/4"	1 - 3500psig 241bar	4 - 4 Ports 5 - 5 Ports	0-Without W-With	R-Relief valve