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NR61 SERIES
Regulators - Pressure Reducing

SPECIFICATIONS

OPERATING PARAMETERS

Maximum Inlet Pressure
500, 3000 psig / 34.5, 207 bar

Outlet Pressure Ranges
0-20, 0-50, 0-100, 0-150, 0-250 psig
0-1.4, 0-3.4, 0-6.9, 0-10.3, 0-17.2 bar

Design Proof Pressure
150% of rated inlet

Leakage
Bubble-tight

Ambient Operating Temperature
-4°F to 165°F / -20°C to 74°C

Flow Capacity
$C_V = 5.0$

MEDIA CONTACT MATERIALS

Body, Bonnet, Back-cap
316 Stainless Steel or Brass

Diaphragm
Ethylene Propylene (E.P.) or Nylon Reinforced, Gylon (PTFE)

Seat
Main Valve: Buna-N, E.P., Chemraz, Viton
Vent: CTFE, Vespel

O-Rings
Buna-N, E.P., Chemraz, Viton

Remaining Parts
300 Series Stainless Steel, Nitronic 60

OTHER

Weight
Stainless Steel: 15 lbs / 6.8 kg
Brass: 16 lbs / 7.3 kg

Vespel and Viton are registered trademarks of E.I. du Pont de Nemours and Company.
Gylon is a registered trademark of Garlock, Inc.
Chemraz is a registered trademark of Greentweed.

DOME LOADED SPRING LOADED

ADVANTAGES

- Available in 316 Stainless Steel or Brass
- Accurately regulates pressure up to 250 psig / 17.2 bar for spring load, 300 psig / 20.7 bar for dome load and 500 psig / 34.5 bar for air load
- Choice of spring load or dome load (air load is optional)
- Five outlet pressure ranges
- Low droop
- Panel mounting is available

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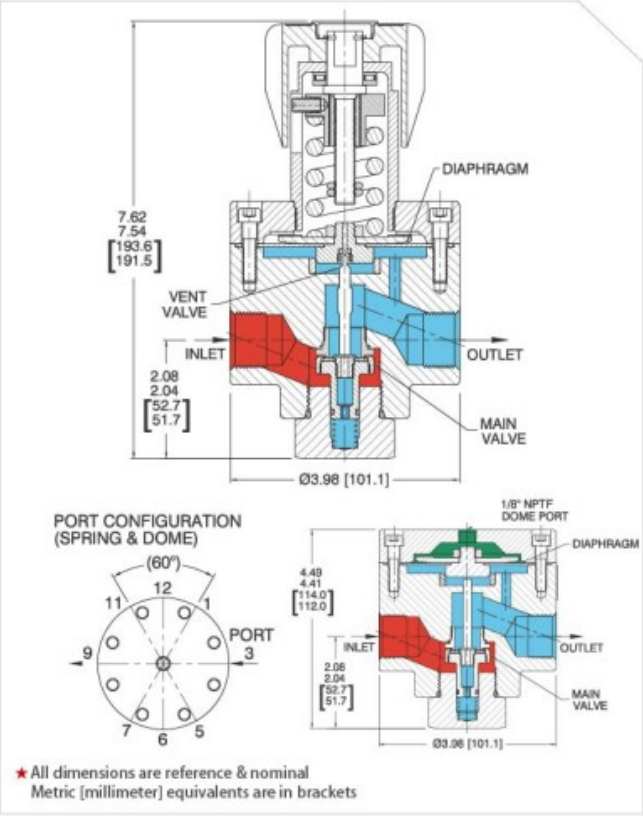
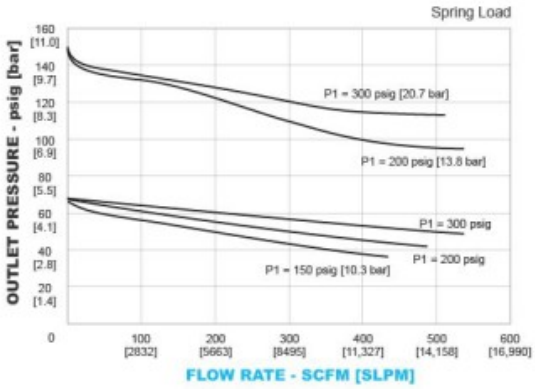
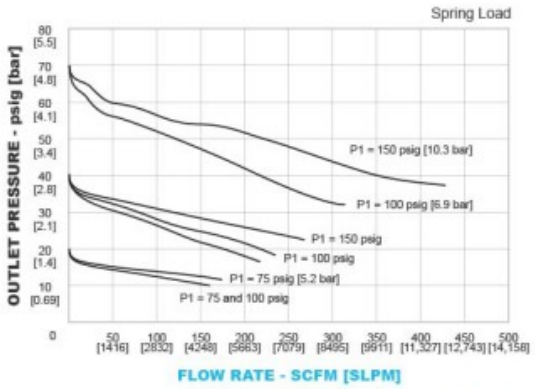
NR61 SERIES Regulator Drawing



★ All dimensions are reference & nominal
Metric [millimeter] equivalents are in brackets





INLET OUTLET GAUGE

Ordering Information:

NR61	H	6	0	B	E	N	9	D

BASIC SERIES	LOAD TYPE	BODY, BONNET, BACK-CAP MATERIAL	OUTLET PRESSURE	O-RING AND VALVE SEAT MATERIAL	DIAPHRAGM MATERIAL	VENT SEAT MATERIAL	OPTIONAL ITEMS	PORTING CONFIGURATION	INLET, OUTLET, GAUGE PORTS
NR61	H – Spring Loaded, Handknob W – Spring Loaded, Wrench D – Dome Loaded (available with Gylon diaphragm only)	1 – Brass 6 – 316 Stainless Steel	0 – 0-20 psig 0-1.4 bar 1 – 0-50 psig 0-3.4 bar 2 – 0-100 psig 0-6.9 bar 3 – 0-150 psig 0-10.3 bar 5 – 0-250 psig 0-17.2 bar D – 0-300 psig 0-20.7 bar (Dome Load only)	B – Buna-N O-Ring Buna-N 90 Seat E – E.P. O-Ring E.P. 80 Seat M – Chemraz O-Ring, Chemraz 75 Seat V – Viton®	E – E.P. Nylon Reinforced G – Gylon	C – CTFE V – Vespel P – Peek N – Non-Venting	C – CCL 9 – None	A – No gauge ports B – 2 gauge ports at 60° D – 1 outlet gauge at 90° L – 2 gauge ports at 90° * Crossholes for 1/2" ports limits C_v to 3.5	H – 1/2" NPTF* C_v = 3.5 3 – 3/4" NPTF 4 – 1" NPTF 9 – None

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