SERIES NR REGULATOR 1/4", 3/8" and 1/2" NPT, BSPT Inlet 232 Psig (16 Bar)



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Description

Designed specifically for Large Vehicle NG Fueling Systems, the Series NR features our unique pre-formed Phosphorous Bronze Dual Diaphragm Stack providing increased sensitivity to changes in fuel demand over conventional flat sheet metal diaphragm designs. The metal diaphragms also provide wider temperature operating conditions than elastomeric diaphragm designs. An integral Stainless Steel filter screen aids in providing long service life. The Series NR has been tested and certified for use on Natural Gas Vehicle Fueling Systems to the rigid standards of the European Regulation ECE R110. All NR Series Regulators are provided R110 Stamped.

Features

- Specifically Designed for NGV Fuel Systems
- Certified to European Regulation UN ECE R110
- Unique Pre-Formed Multiple Stacked Phosphorous Bronze Diaphragms
- Hex Head Adjustment Screw with Locknut
- Inlet Strainer/Filter

Technical Data

Maximum Inlet Pressure: 232 Psi (16 Bar) Outlet Pressure Range: 0 to 120 Psi (0 to 8.3 Bar)

Temperature Range: -40° to 250° F (-40° to

120 °C)

Fail Open C_V : 1/4" NPT and BSPT – 1.6

3/8" NPT - 2.4

1/2" NPT, BSPT, 8SAE - 2.9

UN ECE R110 Registration Number

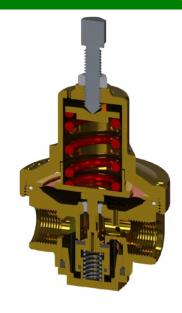
E11) 110R-000115 Class 1, per ECE R110

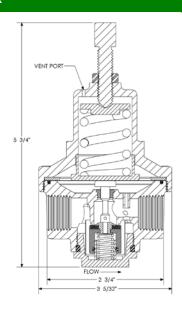
Materials of Construction

- Forged Brass Body and Chamber, ASTM 377
- Brass Bar Stock Components, ASTM B16
- Phosphorous Bronze Diaphragms, ASTM B103
- PTFE Diaphragm Seal, ASTM D1710
- HNBR Valve, Valve O'ring and Bottom Plug Seals
- PCTFE Valve Stem Bearing, ASTM D1430
- 17-7PH Stainless Steel Adjusting and Valve Spring, ASTM A313
- Stainless Steel Adjustment Screw and Locknut, ASTM A276
- Stainless Steel Inlet Strainer/Filter

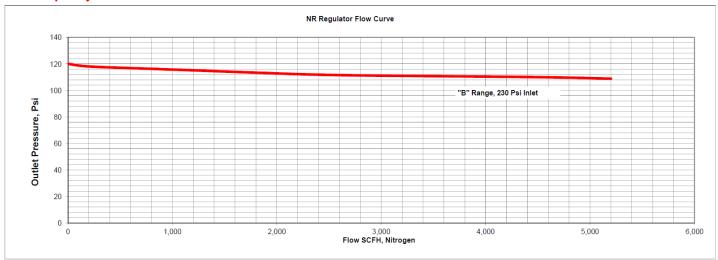
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SERIES NR REGULATOR



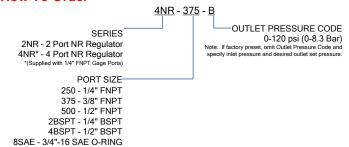


Flow Capacity



Flow Capacity is system dependent. For accurate flow capacity data, consult Generant with your specific system characteristics for more information.

How To Order



Repair Kit

Includes: Valve and O-Ring Assembly, Bottom Plug O-Ring, Valve Spring, Filter/Strainer, Valve Stem, Preformed Phosphorous Bronze Diaphragms (2) and Diaphragm O-Ring.

Specify: NR-RK-500

Note: Repair Kit fits all port sizes.

Replacement Spring Kits

Includes: Adjustment Screw and Spring

Specify: NR-SK-500-B, 0-120 PSI Range

For additional configurations consult factory.

PROPER COMPONENT SELECTION – When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.



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