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

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 Cv: 1/4” NPT and BSPT – 1.6
3/8” NPT – 2.4
1/2” NPT, BSPT, 8SAE – 2.9

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

UN ECE R110 Registration Number
110R-000115

Class 1, per ECE R110
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

SERIES
2NR - 2 Port NR Regulator
4NR* - 4 Port NR Regulator
*(Supplied with 1/4” FNPT Gage Ports)

PORT SIZE
250 - 1/4” FNPT
375 - 3/8” FNPT
500 - 1/2” FNPT
2BSPT - 1/4” BSPT
4BSPT - 1/2” BSPT
8SAE - 3/4”-16 SAE O-RING

OUTLET PRESSURE CODE

NR Regulator Flow Curve

4NR - 375 - B

OUTLET PRESSURE CODE
0-120 psi (0-8.3 Bar)

Note: If factory preset, omit Outlet Pressure Code and specify inlet pressure and desired outlet set pressure.

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.

www.generant.com
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