

**NR**



#### 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.

#### Features

- Specifically Designed for NGV Fuel Systems
- Unique Pre-Formed Multiple Stacked Phosphorous Bronze Diaphragms
- Hex Head Adjustment Screw with Locknut
- Inlet Strainer/Filter

#### Technical Data

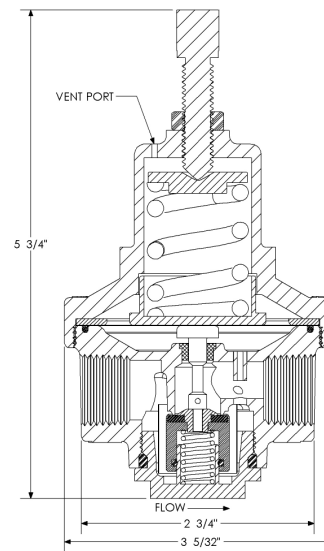
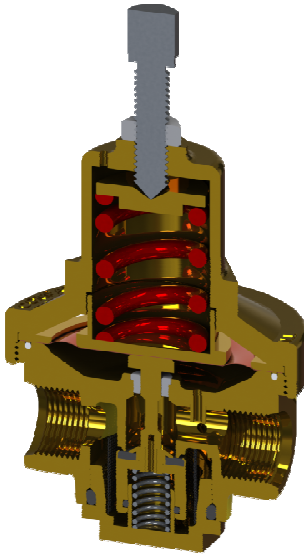
Maximum Inlet Pressure: 232 Psi (16 Bar)  
Outlet Pressure Range: 0 to 120 Psi (0 to 8.3 Bar)  
Temperature Range: -40° to 250° F (-40° to 120 °C)  
Fail Open Cv: 1/4" NPT and BSPT – 1.6  
3/8" NPT – 2.4  
1/2" NPT, BSPT, 8SAE – 2.9

#### Materials of Construction

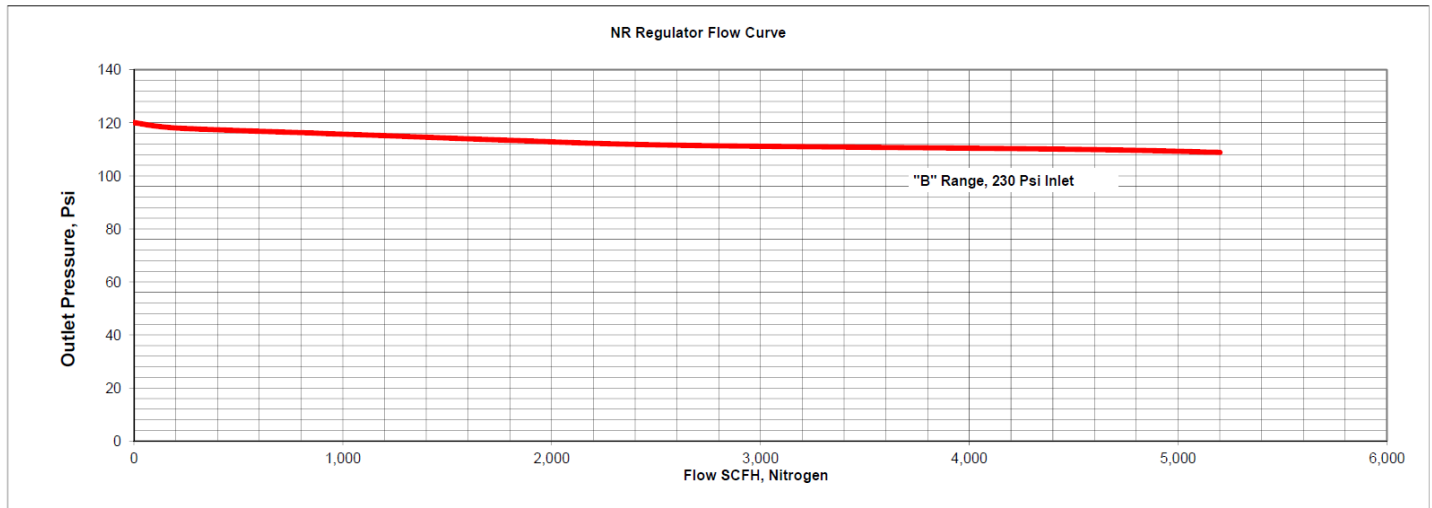
- Forged Brass Body and Chamber, ASTM 377
- Brass Bar Stock Components, ASTM B16
- Phosphorous Bronze Diaphragms, ASTM B103
- PTFE Diaphragm Seal, ASTM D1710
- HNBR Valve, Valve O'ring and Bottom Plug Seals
- PCTFE Valve Stem Bearing, ASTM D1430
- 17-7PH Stainless Steel Adjusting and Valve Spring, ASTM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

**SERIES**

# 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

**4NR - 375 - B**

**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**  
 0-120 psi (0-8.3 Bar)  
 Note: If factory preset, omit Outlet Pressure Code and specify inlet pressure and desired outlet set pressure.

For additional configurations consult factory.

## 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**

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.

**GENERANT**

[www.generant.com](http://www.generant.com)

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