



The Right Connection®

**Data Sheet****Factory Set Pressure Reducing Valves***A true combination shut-off and pressure reducing valve*

cast finish shown

**NAPRVG250-..****Grooved Inlet x Grooved Outlet**

- groove x groove
- red iron wheel
- includes open/closed indicator for visual confirmation of the valve's status in the system
- manufactured in the USA
- alloy = C84400, C83600, C36000

available finish:

- cast (standard)
- polished trim - P
- polished chrome trim - C



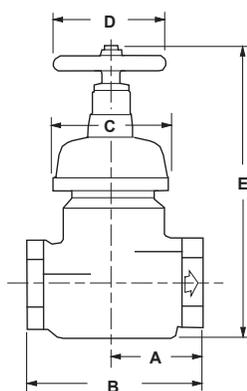
cast finish shown

**NAPRVF250-..****Double Female**

- NPT inlet and outlet only
- red iron wheel
- includes open/closed indicator for visual confirmation of the valve's status in the system
- manufactured in the USA
- alloy = C84400, C83600, C36000

available finish:

- cast (standard)
- polished trim - P
- polished chrome trim - C



Valves are available with a tamper-proof switch as an accessory device to hasten valve operation while monitoring its open condition. The complete switch, with bracket and housing, is available for field mounting.

**Dimensions**

Size	Style	A	B	C	D	E (open)	E (closed)	Weight
2½"	grooved	4-3/8"	8-3/4"	5-3/4"	5-3/4"	12-13/16"	12-3/4"	25
2½"	NPT	3-7/8"	7-3/4"	5-3/4"	5-3/4"	12-13/16"	12-3/4"	25

# Technical Information

## Pressure Reducing Valves

### Maximum Rated Inlet Pressure

Maximum rated inlet pressure for each valve type regardless of size or model; to ensure a maximum outlet pressure of 175 PSI. Can still be safely hydrostatically leak tested to 300 PSI for 1½" size and 400 PSI for the 2½" size.

Pressure		Valve Type
PSI	KPa	
200	(1379)	55, 60
225	(1551)	15, 65
250	(1724)	70
275	(1896)	75
300	(2069)	30 through 50, 80
350	(2413)	85
400	(2758)	90, 95

- 2½" valves are designed to reduce inlet pressures of 400 PSI (2758 kPa) or less to desired working pressures from 50 through 175 PSI (138 - 1207 kPa) under discharge or static conditions.
- unique groove x groove connection allows easier installation
- brass construction eliminates the need for corrosion resistant coating
- Available with a tamper-proof switch as an accessory device to improve valve operation while monitoring its open condition.
- valves are listed by the Underwriter's Laboratories for:
  - Automatic Sprinkler Systems as floor or zone control valves
  - Standpipe Systems, Class I, II and III
  - Automatic Check Valve for Dual Riser Systems, Approved by the New York City Board of Standards & Appeals MEA54-07-E, the City of Los Angeles and the City of San Francisco (ULC 2½")

### Specification Chart

Location				Inlet			Outlet Desired		Actual			
Qty	Tag	Style	Size (in.)	Static (PSI)	Residual (PSI)	@ flow (GPM)	Static (PSI)	Residual Min-Max (PSI)	Static (PSI)	Residual (PSI)	@ flow (GPM)	Type

1. Customer is requested to furnish as much information as possible to ensure delivery of the appropriate valve. Flow values for inlet static and residual pressure readings are needed for all types of valves (standpipe or sprinkler). Please provide a Desired Residual Outlet pressure range.
2. sizes available: 1½" or 2½"
3. 'actual' columns are to be filled out by the factory. Actual valves operate to within ± 10% of the final specified setting.
4. valves are permanently tagged for correct floor placement

This information is only a general guideline. The company reserves the right to change any portion of this information without notice. Terms and conditions of sale apply and are available on request.

## Dixon Fire

ph: 410.778.2008 • 877.712.6179

fx: 410.778.4702 • 800.283.4966

[dixonvalve.com](http://dixonvalve.com)