# **NPR400 Series**

# Negative Pressure Regulator



The NPR400 is especially suited for applications involving negative delivery pressures with low pressure gas sources. It is specifically designed to regulate negative pressures down to -26 in Hg vacuum (100 Torr). Typical applications include the delivery of low pressure gases from liquid sources such as WF<sub>6</sub>, BCL<sub>3</sub>.



## features

- "VeriClean," Veriflo's custom low sulfur high purity 316L VAR Stainless Steel, which enhances electropolishing, welding, and corrosion resistance.
- ► Tall spring provides sensitivity.
- Consistently maintains outlet set point.
- Fluid media: corrosive and non-corrosive gases.
- ▶ Self-contained valve seat assembly.
- Over 20 years of proven reliability.

### materials of construction

#### Wetted

#### **Non-Wetted**

### operating conditions

### functional performance

Design Leak Rate:

#### standard configurations

1/4 inch female pipe threads inlet and outlet End to end length . . . . . . . . 1.88 in. (47.7 mm)

Any configuration of 1/4 inch FS male and/or female fittings  $\,$ 

Gland to gland length . . . . . . 3.70 in. (94.0 mm)

#### internal volume

10 cc

### surface finishes

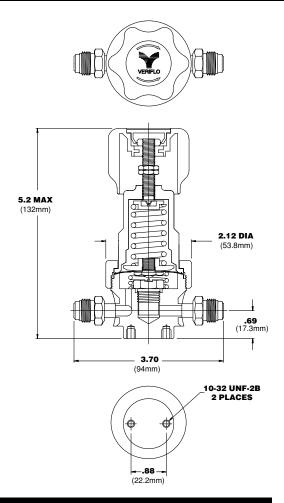
## approximate weight

1.5 lbs. (.7 kg)

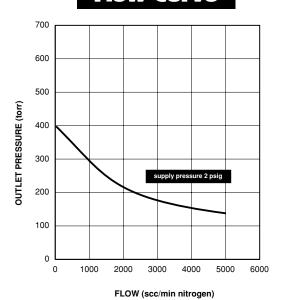


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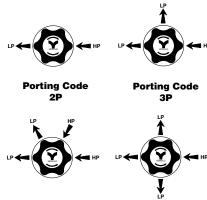
# **Cross Sectional Drawing**



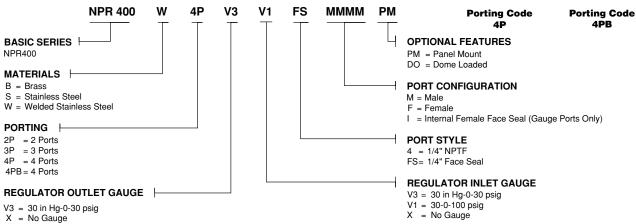
## Flow Curve



# **Porting Configurations**



# **Ordering Information**



### **Parker Hannifin Corporation**

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