



# Food Grade - FR Series Regulators



FR-827

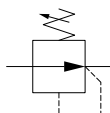
HydroMode™ FR Series Food Grade Regulators are compact units that provide economical, high performance pressure regulation of drinkable water. The highly sensitive diaphragm-operated design delivers accurate downstream pressure and the molded rubber supply valve provides precise regulation while helping to prevent leakage. Materials in contact with water are approved by National Sanitation Foundation (NSF) or the Food and Drug Administration (FDA) for use in potable water systems. All elastomers used in their construction are food grade.

## Features

- NSF electrodeposited chromium plated zinc body
- FDA acetal bonnet, valve seat
- Food grade nitrile/nylon diaphragm, O-ring
- Lead-free brass and food grade nitrile valve plug
- Mounting by pipe or bracket and panel mountable (with optional panel nut)
- (2) 1/8" NPT gauge ports
- 1/8" and 1/4" NPT ports
- Made in the USA



Mounting bracket not included.



Regulator

| FR Series Regulators |         |              |                  |       |               |                                          |                                    |
|----------------------|---------|--------------|------------------|-------|---------------|------------------------------------------|------------------------------------|
| Part No.             | Price   | Weight (lbs) | Port Size (FNPT) | Fluid | Flow Capacity | Operating Pressure                       | Maximum Supply Pressure            |
| FR-817               | \$35.00 | 0.4          | 1/8"             | Water | 2.2 gal/min   | 0-100 psi<br>(0-0.69 MPa)<br>(0-6.9 bar) | 150psi<br>(1.03 MPa)<br>(10.5 bar) |
| FR-827               | \$35.00 | 0.4          | 1/4"             |       |               |                                          |                                    |

Note: A filter (40 micron or less) is recommended ahead of regulator.

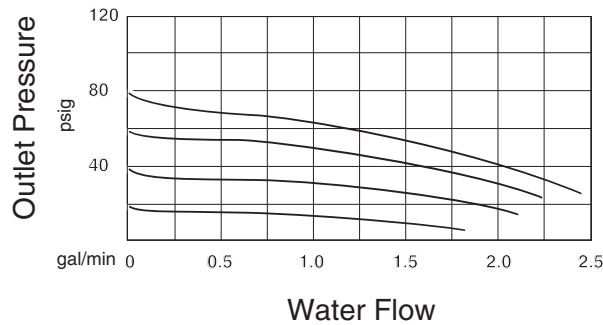


# Food Grade - FR Series Regulators

## Performance Charts

FR-X

1/4" NPT Port, 0-100 psig Range, 100 psig Supply;  
Flows for Outputs of 20, 40, 60, & 80 psig

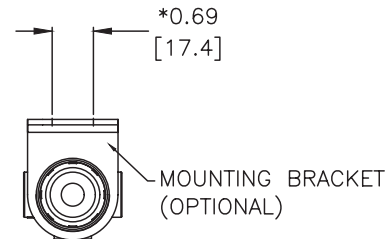


## Dimensions

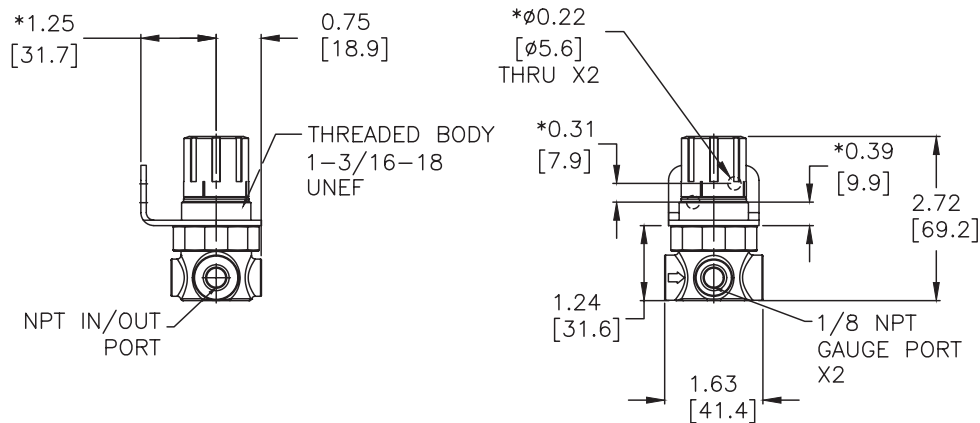
Inches [mm]

FR-X

| PART NUMBER | INLET/OUTLET PORT |
|-------------|-------------------|
| FR-817      | 1/8 NPT           |
| FR-827      | 1/4 NPT           |



\*DIMENSIONS WITH  
OPTIONAL BRACKET



## Accessories

See our Web site [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



FBKT-8A



FN-8

| Food Grade FR Series Accessories |        |                                                                                         |              |              |
|----------------------------------|--------|-----------------------------------------------------------------------------------------|--------------|--------------|
| Part No.                         | Price  | Description                                                                             | Material     | Weight (lbs) |
| <b>FBKT-8A</b>                   | \$8.00 | HydroMode mounting bracket, for use with FR-8 series water regulators.                  | Plated Steel | 0.1          |
| <b>FN-8</b>                      | \$2.50 | HydroMode panel nut, 1-3/16-18 UNEF threads. For use with FR-8 series water regulators. | Acetal       | 0.1          |