

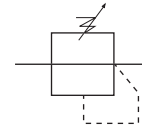


Modular Air Pressure Regulators- RSeries

### Specifications

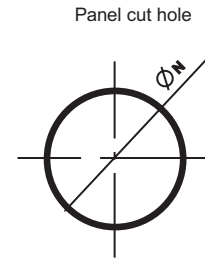
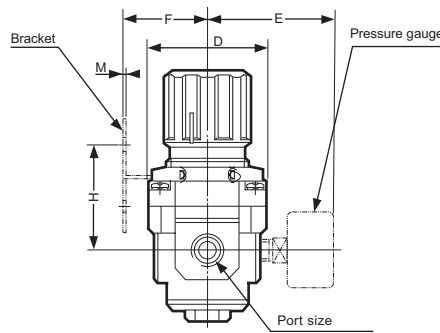
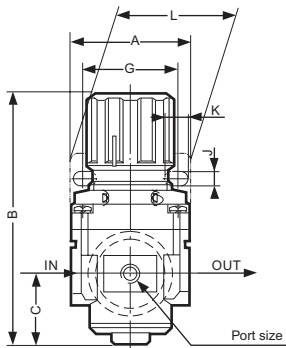
1. **Maximum Supply Pressure:** 220 psi (15.2 bar)
2. **Maximum Operating Pressure:** 145 psi (10.0 bar)
3. **Regulating Range\*:** 5 - 120 psi (0.4 - 8.3 bar)
4. **Ambient & Media Temperature:** 41 - 140°F (5 - 60°C)
5. **Construction:** Relieving Type
6. **\*Low Pressure Regulating Range:** 5-35 psi

### Symbol



### Dimensional Data

Units: mm/ (Inch)



| Model | Port Size NPT | A              | B               | C              | D              | E              | F              | G              | H              | J              | K              | L              | M             | N              |
|-------|---------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|
| R200  | 1/8" - 1/4"   | 39.9<br>(1.57) | 95.0<br>(3.74)  | 17.0<br>(0.67) | 39.9<br>(1.57) | 56.9<br>(2.24) | 30.0<br>(1.18) | 34.0<br>(1.34) | 45.0<br>(1.77) | 5.3<br>(0.21)  | 15.5<br>(0.61) | 55.1<br>(2.17) | 2.3<br>(0.09) | 33.5<br>(1.32) |
| R400  | 1/4" - 3/8"   | 53.3<br>(2.10) | 127.5<br>(5.02) | 35.1<br>(1.38) | 53.3<br>(2.10) | 60.7<br>(2.39) | 40.9<br>(1.61) | 40.1<br>(1.57) | 46.0<br>(1.81) | 6.6<br>(0.26)  | 7.9<br>(0.31)  | 53.1<br>(2.09) | 2.3<br>(0.09) | 42.4<br>(1.67) |
| R800  | 1/2"          | 70.1<br>(2.76) | 149.6<br>(5.89) | 37.6<br>(1.48) | 70.1<br>(2.76) | 65.5<br>(2.58) | 50.0<br>(1.97) | 54.1<br>(2.13) | 54.1<br>(2.13) | 8.4<br>(0.33)  | 10.4<br>(0.41) | 70.1<br>(2.76) | 2.3<br>(0.09) | 52.6<br>(2.07) |
| R1600 | 3/4" - 1"     | 89.9<br>(3.54) | 167.9<br>(6.61) | 48.0<br>(1.89) | 89.9<br>(3.54) | 75.4<br>(2.97) | 70.1<br>(2.76) | 66.0<br>(2.60) | 65.8<br>(2.59) | 10.9<br>(0.43) | 13.0<br>(0.51) | 89.9<br>(3.54) | 3.3<br>(0.13) | 52.6<br>(2.07) |

### Ordering Information

**R - 406 - G** - Other Options

| Code | Description |
|------|-------------|
| R    | Regulator   |

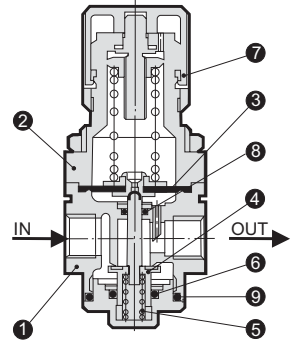
| Model | Port Size |
|-------|-----------|
| 202   | 1/8"      |
| 204   | 1/4"      |
| 404   | 1/4"      |
| 406   | 3/8"      |
| 808   | 1/2"      |
| 1612  | 3/4"      |
| 1616  | 1"        |

| Code | Option |
|------|--------|
| omit | none   |
| G    | Gauge  |

\*Low Pressure Regulating Range: 5-35 psi

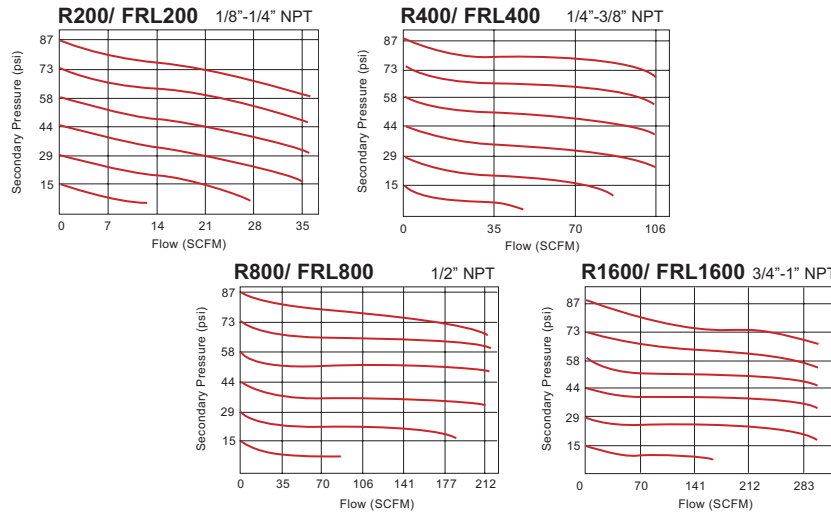
### Parts Breakdown & Construction Material

| No. | Name               | Material         |                      |                           |
|-----|--------------------|------------------|----------------------|---------------------------|
|     |                    | R200 / FRL200    | R400 / FRL400        | R800, 1600 / FRL800, 1600 |
| 1   | Body               | Zinc Die Casting | Aluminum Die Casting |                           |
| 2   | Bonnet             | Reinforced Nylon |                      | Aluminum Die Casting      |
| 3   | Diaphragm Assembly | Buna-N           |                      |                           |
| 4   | Valve Assembly     | Brass & Buna-N   |                      |                           |
| 5   | Valve Spring       | Stainless Steel  |                      |                           |
| 6   | Valve O-Ring       | Buna-N           |                      |                           |
| 7   | Knob               | Reinforced Nylon |                      |                           |
| 8   | O-Ring             | Buna-N           |                      |                           |
| 9   | O-Ring             | Buna-N           |                      |                           |



### Flow Data

Supply Pressure=100 psi



### Pressure Data

Supply Pressure=100 psi Secondary Pressure = 29 psi Flow Rate = .7 SCFM

