



# Models 6342A Precision Adjustable Relief Valve/ Back Pressure Regulator



### Description

High-purity stainless steel back pressure regulator designed to relieve system overpressure. May be used with non-corrosive or corrosive gases.

### Applications

- May be used in place of relief valves in many applications requiring high sensitivity and close tolerances on “crack-reseat” pressure relationships
- Used to control upstream pressure

### Design Features/Components

- High-purity 316L stainless steel body
- High-purity 316 stainless steel diaphragm
- Metal to metal seal
- Porous metal filter protects seat from contamination

### Materials of Construction

Body: 316L stainless steel  
 Diaphragm: 316 stainless steel  
 Bonnet: Stainless steel  
 Seat: Kel-F81  
 Seals: Metal to metal

### Specifications

Maximum Pressure Rating: 100 psig (690 kPa)  
 Maximum Flow Rate: 185 SCFH (85 SLPM) @ 100 psig  
 Flow Capacity (Cv): 0.08  
 Porting: 1/4” NPT Female  
 Shipping Weight: 5 lbs

### Ordering Information

Model Number	Delivery Pressure Range
6342A	0-100 psig