

# AGH Series

## High Sensitivity, Mega High Flow Regulators

The AGH Series line regulator is designed for applications requiring extremely high flow rates while providing very accurate pressure control with minimal droop. It has a high flow capacity ( $C_v = 5.0$ ) with a maximum inlet pressure of 500 psig. Typical uses include tank blanketing, bulk gas regulation and process air (CDA) control.

The flow vs. pressure droop performance of the AGH Series can be viewed in the performance curve shown below.

### Standard Features

- Ultra High Flow Capacity allows flows in excess of 400 scfm of nitrogen at 300 psig inlet.
- Spare Outlet Ports provide versatility to install options such as pressure gauges, transducers, purge, vent or safety relief valves.

### Specifications

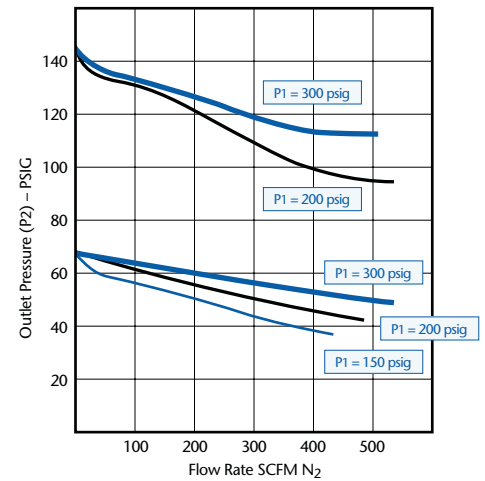
Maximum Inlet Pressure: 500 psig  
 Delivery Pressure Range: See Table I  
 Operating Temp. Range: -20°F to 165°F  
 Flow Coefficient:  $C_v = 5.0$   
 Inlet and Outlet Connections:  
 ¾" NPT female  
 L.P. Plugged Access Ports (2): ¼" NPTF  
 Dimensions (approx. overall): 4" x 7¾"  
 Approximate Weight: 16 lbs.

### Materials of Construction

Body, Bonnet, Back Cap:  
 Brass or Type 316 SS Bar Stock  
 Other Metal Parts Exposed to Gas:  
 300 Series SST, Nitronic 60  
 Valve Seat and O-Rings: Buna-N  
 Diaphragm: Gylon®  
 Seals: Viton®



AGH Regulator



AGH Series Flow Performance Curve

Table I

Part No.	Body Material	Delivery Pressure Range (psig)
AGHB-100	Brass	10–100
AGHB-150	Brass	20–150
AGHS-100	Type 316 Stainless Steel	10–100
AGHS-150	Type 316 Stainless Steel	20–150