



GENIE[®]
pressure regulator
Model GR[™]



Quick Study

Many companies have learned the hard way, that liquid in the sample conditioning system will cause damage to analyzers and costly contamination cleanup fees. By applying our *Analytically Correct*[™] designs to your sampling system, we can help you prevent problems before they begin. We manufacture a wide variety of membrane probes, membrane probe regulators and filter combinations that offer flexibility regarding installation requirements and are customized to suit your specific sampling application.

The Genie[®] Regulator (GR[™]) is a single stage pressure regulator designed for use in analytical applications. The stainless steel housing employs a piston design. Additionally, the low internal volume and unique interior design allow it to purge quickly. The GR[™] can be utilized in gas sample conditioning applications, gas analysis systems, and any other application requiring a single stage pressure regulator. The GR[™] has 1/4" female NPT ports and can be installed on working pressures up to 3500 psig.

Applications

- ▶ Pressure regulation for sample conditioning in the following industries:
 - ▶ Natural Gas
 - ▶ Oil refining
 - ▶ Petrochemical
- ▶ Second stage for GPR[™] and GPRiL[™] Genie[®] Membrane Probe Regulators[™]
- ▶ Secondary pressure regulation of sample gas "at the analyzer"

Benefits

- ▶ Helps preserve sample integrity
- ▶ Reliable
- ▶ Durable
- ▶ Economical

Features

- ▶ *Analytically Correct*[™] design
- ▶ Low internal volume
- ▶ Designed for quick purging
- ▶ All stainless steel construction

Technical Specifications

Maximum pressure rating	3,500 psig
Maximum temperature	300 °F (150 °C)
Minimum temperature	-40 °F (-40 °C)
Port sizes	1/4" female NPT
Outlet pressure range (psig)	0-10, 0-25, 0-50, 0-100, 0-250, or 0-500 <small>*Specify outlet range when ordering</small>
Wetted materials	Machined parts: 316 stainless steel / NACE compliant All other metal parts: stainless steel / NACE compliant Regulator seat material: Teflon [®] PFA Sealing material: Viton [®] standard




An ISO 9001:2000 certified company



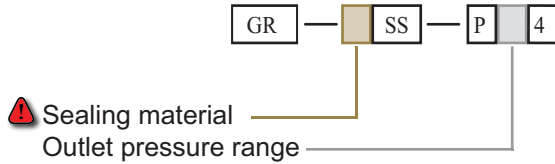
Genie[®], Genie[®] Regulator[™], and GR[™] are trademarks or registered trademarks of A+ Corporation, LLC. All other referenced trademarks are the property of their respective owners.




Model Numbering & Additional Part Numbers

Your model number is determined by your specific needs. Choose options below.

Sealing material 	0 = Viton® (other materials available upon request)
Outlet pressure range (psig)	0 = 0-25 1 = 0-50 2 = 0-100 3 = 0-250 4 = 0-500 9 = 0-10
Mounting bracket accessory	Part # GR-509-SS (sold separately)

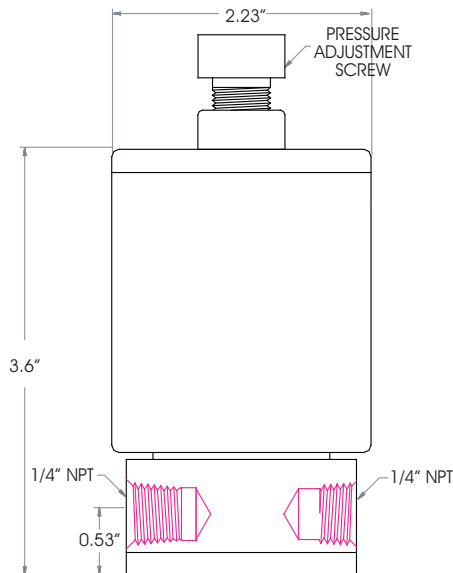
How to build the model number:



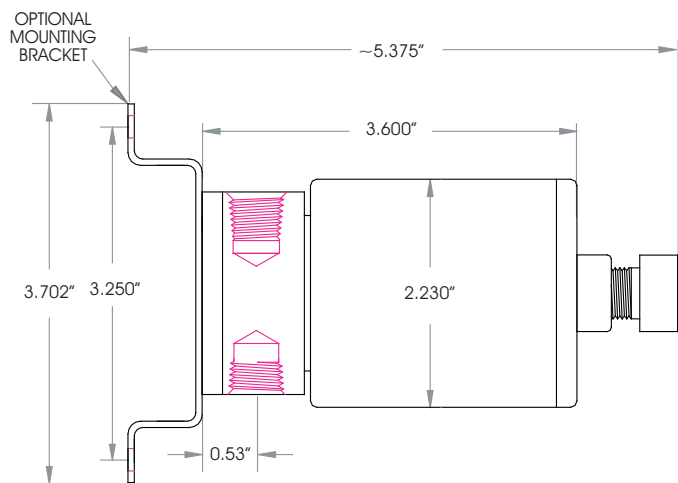
 We cannot recommend specific sealing materials due to the complex nature of sample stream compositions. Temperature and pressure also may be factors.
 Unless specified otherwise, the product will ship with our standard sealing materials and materials of construction stated in the technical specifications section of the corresponding Product Sheet.  Please refer to www.dupontelastomers.com for sealing material recommendations and advice. It is the user's responsibility to specify the sealing materials and other materials of construction for their application.

Dimensions

Front View



Side View (shown with mounting bracket)



Local Distributor:

Manufacturer

A+ Corporation, LLC

41041 Black Bayou Road

Gonzales, LA 70737

Call for expert product application assistance:

Phone: (225)-644-5255 Website: www.geniefilters.com

Fax: (225)-644-3975 E-mail: sales@geniefilters.com



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