



ISO  
9001  
QUALITY  
ASSURANCE

## HPR-297 Series

### Brass, Single Stage High Pressure Regulator

The HPR-297 series is a brass single stage high pressure regulator recommended for use with high purity and non-corrosive gases. It is designed to accept inlet pressures up to 3000 psig & deliver outlet pressure from 0-100 psig up to 0-2000 psig. Internal surface finish of body is better than 1.6µm with chrome plating as option which allows easier cleaning and lesser particle contamination. Uniquely designed piston sensing element offers excellent regulation characteristics.



### TYPICAL APPLICATIONS

- Gas & liquid chromatography
- Zero & calibration gases
- Research laboratories
- High purity carrier gases
- Gas cylinder regulator assemblies
- Hydrocarbon service
- Cryogenic gases

### OPTIONS

- Panel mount kit
- Relief Valve
- Captured Vent
- Self Venting
- Helium leak certification

### FEATURES & SPECIFICATIONS

- Stainless Steel Piston
- Standard 10 µm sintered bronze filter at inlet of main valve assembly
- 1.6 µm internal surface finish as standard
- Cleaned for Oxygen service.
- Bubble tight shut-off
- Inlet pressure: 210 bar (3000 psi)
- Outlet range: 0 to 140 bar (2000 psi)
- Supply pressure effect less than 0.05%
- Flow Coefficient: Cv 0.06
- Design Pressure: 1.5 times working pr.
- All connections: ¼" NPT (F)
- Seat: PTFE / PCTFE
- Max. Operating Temperature:
  - PTFE - 66° C
  - PCTFE - 80 ° C
- Inlet end connection: ¼" NPT (F)
- Outlet end connection: ¼" NPT (F)

NOTE: As a drive for continuous improvement of our products, 'Altair' reserves the right to change descriptions contained in this brochure without prior notice. Consult local distributor or factory for revisions and/or service related issues

Altair Gas Engineering Company

Concorde, 807, Plot no. 66A, Sector-11, CBD,  
Navi Mumbai, Maharashtra, INDIA – 400614.

Phone: +91-22-69001520 - 27 (8 lines)

E-mail: [info@altair-gec.com](mailto:info@altair-gec.com)

[www.altair-gec.com](http://www.altair-gec.com)

HPR-297 Rev.00-1116

Made in  
INDIA

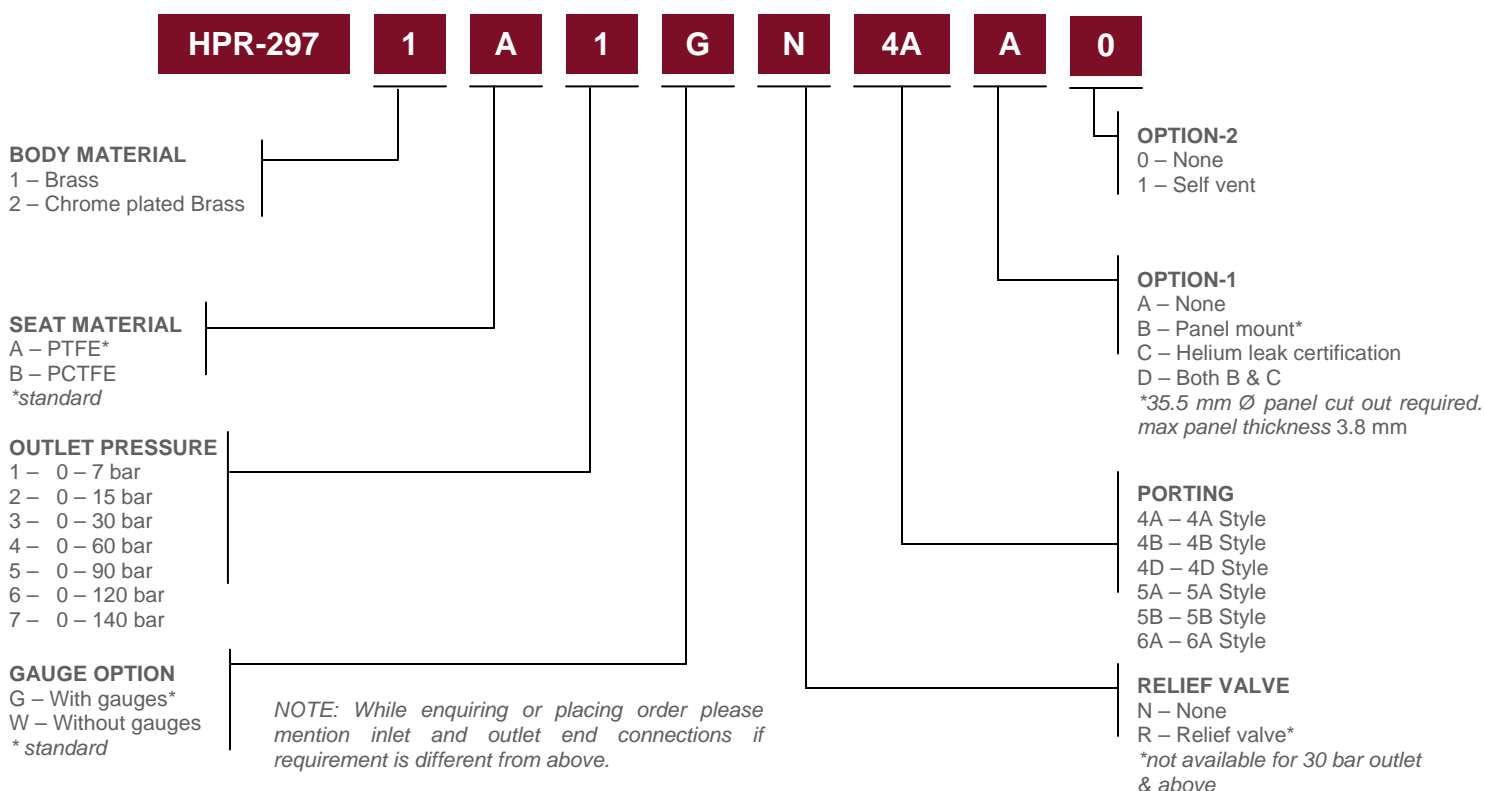




# HPR-297 Series

**Brass, Single Stage  
High Pressure Regulator**

## Ordering information



**ADVICE IS ALWAYS AVAILABLE ON:**

- System design, installation and commissioning
- Gas handling and control equipments
- Training on product handling and safety
- Engineering and equipment maintenance



**CLIENT LABELS ARE ALSO OFFERED SUBJECTED TO MINIMUM ORDER QUANTITY**

*Altair may suggest certain materials for certain applications. These suggestions are based on compatibility information provided by material suppliers on previous experience. However, Altair does not guarantee the material to be compatible with a specific media; this will be the sole responsibility of the user*

NOTE: As a drive for continuous improvement of our products, 'Altair' reserves the right to change descriptions contained in this brochure without prior notice. Consult local distributor or factory for revisions and/or service related issues

**Altair Gas Engineering Company**

Concorde, 807, Plot no. 66A, Sector-11, CBD,  
Navi Mumbai, Maharashtra, INDIA – 400614.

Phone: +91-22-69001520 - 27 (8 lines)

E-mail: [info@altair-gec.com](mailto:info@altair-gec.com)

[www.altair-gec.com](http://www.altair-gec.com)

HPR-297 Rev.00-1116

**Made in  
INDIA**

