



ISO
9001
QUALITY
ASSURANCE

HPR-378 Series

Stainless Steel, Single Stage High Flow Regulator

The HPR-378 series is a stainless steel single stage high flow pressure regulator recommended for use with high purity corrosive gases up to 210 bar (inlet pressure) where gas delivery systems require high leak integrity and lower dead volume which is particularly important for corrosive and toxic gases. Balanced poppet design yields a delivery pressure change of less than 0.2% with varying inlet pressure which minimizes the supply-pressure effect caused by decaying inlet pressure. Internal surface finish of body is better than 1.6µm which allows easier cleaning and lesser particle contamination. Stainless steel bonnet prevent atmospheric corrosion and maintain appearance.

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 Diaphragm
- Larger convoluted diaphragm for increased pressure sensitivity.
- Balanced Poppet.
- Standard 10 µm stainless steel 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 20 bar (300 psi)
- Flow Coefficient: Cv 1.0
- Design Pressure: 1.5 times working pr.
- Seat: PTFE / PCTFE
- Max. Operating Temperature:
PTFE - 66° C
PCTFE - 80 ° C
- Pressure Gauge connection: ¼" NPT (F)
- Inlet / Outlet end connection: ½" 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

HPR-378 Rev.00-1116

www.altair-gec.com

Made in
INDIA

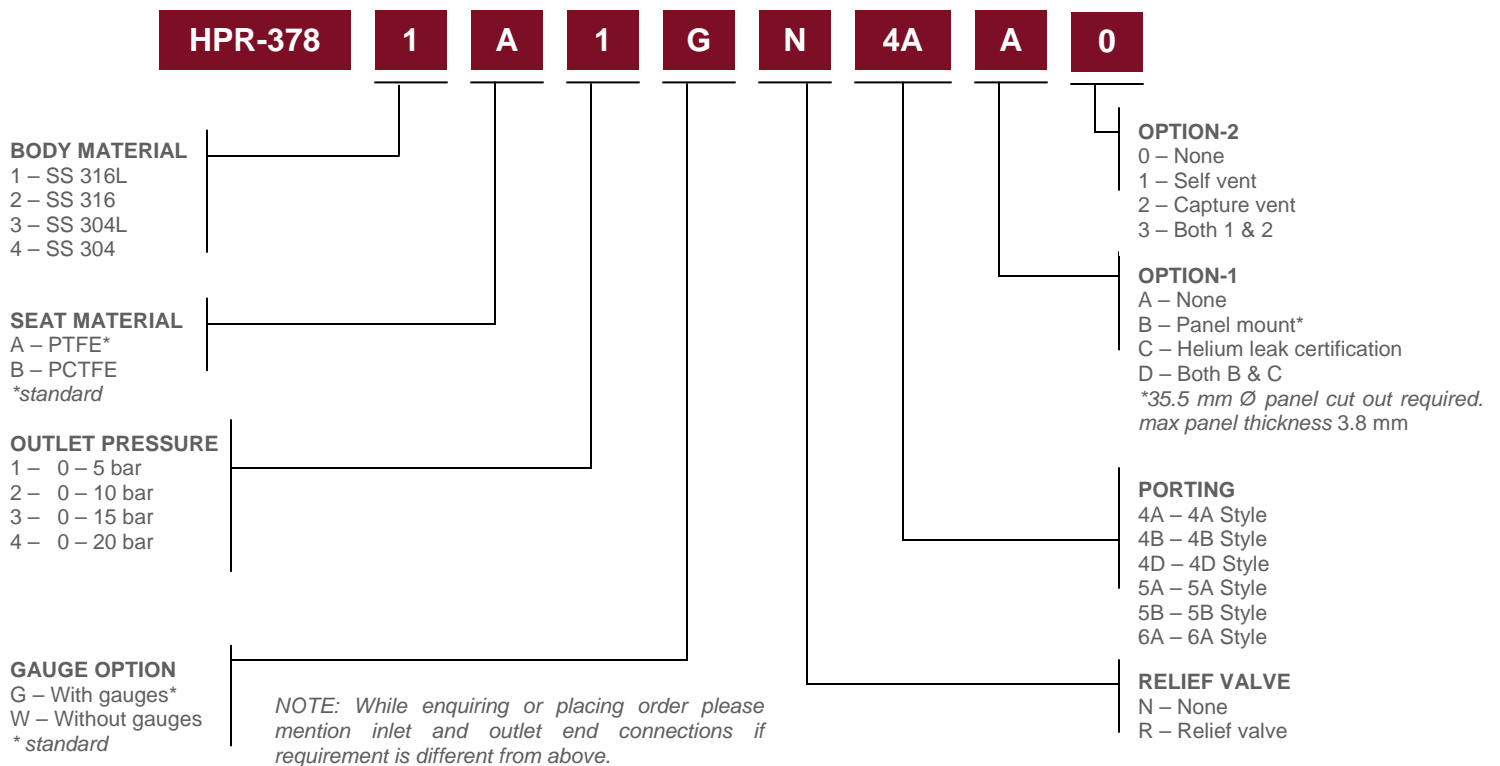




HPR-378 Series

**Stainless Steel, Single Stage
High Flow 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

www.altair-gec.com

HPR-378 Rev.00-1116

**Made in
INDIA**

