

HF250 Datasheet

HIGH-FLOW PRESSURE REGULATOR



Gas Liquid | Diaphragm Piston | Self-Venting Non-Venting | Max Inlet: 250 bar (3,625 psi) | Max Outlet: 10 bar (145 psi) | Cv 7.0



INTRODUCING THE HF250...

The HF250 is a diaphragm-sensed high-flow pressure regulator for gas or liquid applications. The liquid version includes a PEEK™ seat, whilst the gas version features PCTFE seating.

It features a **balanced main valve** as standard for up to 250 bar (3,625 psi) inlet pressure. An **unbalanced** option can be offered alternatively for applications with maximum inlet pressures of up to 50 bar (725 psi).

With a Cv of 7.0, the HF250 is perfect for high-flow applications and is also available as a dome-loaded design with a 1:1 ratio.

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Soft Seat	PEEK™ or PCTFE
Valve Spring	AISI 316 S42 Stainless Steel
Diaphragm	NBR or FKM / FPM
'O'-Ring Seals	NBR
Loading Spring	Spring Steel Alloy

SPECIFICATION

Max. Inlet Pressure:	Balanced	Unbalanced
PEEK™	250 bar (3,625 psi)	50 bar (725 psi)
PCTFE	250 bar (3,625 psi)	50 bar (725 psi)

Outlet Ranges	Up to 10 bar (145 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	8kg (17.6lbs)

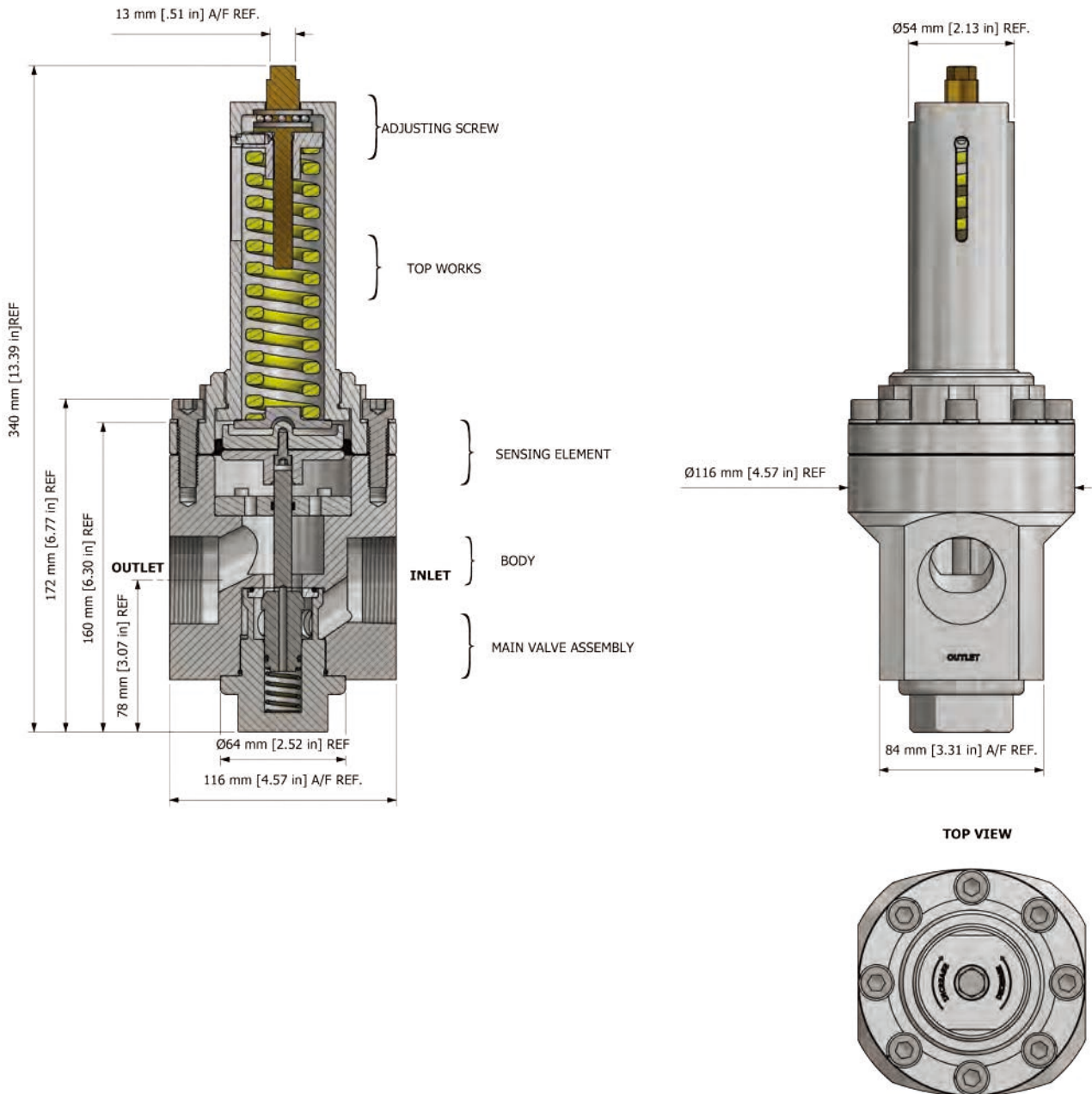
FEATURES AND BENEFITS

<p>1 BALANCED MAIN VALVE DESIGN</p> <p>Improved control across the pressure range.</p>	<p>2 DIAPHRAGM SENSING ELEMENT</p> <p>High sensitivity for accurate pressure regulation.</p>	<p>3 HIGH FLOW COEFFICIENT</p> <p>CV 7.0 for high-flow capabilities.</p>	<p>4 SUITABLE FOR GAS OR LIQUID APPLICATIONS</p> <p>Versatile usage across a range of media-types.</p>
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Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues. GCE support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.

DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1" NPT option - please contact the office for additional connections options.



Note:
All gauge ports are 1/4" NPT as standard.

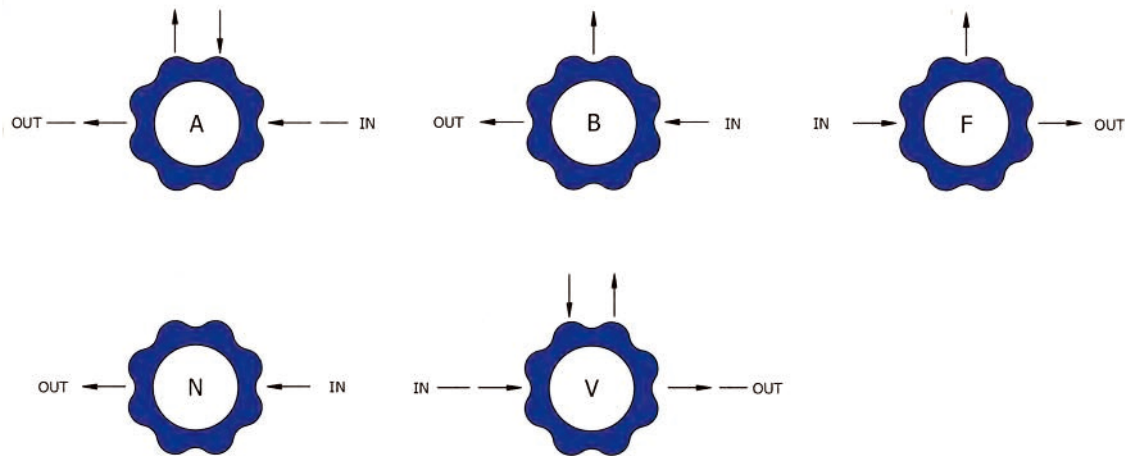
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FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS

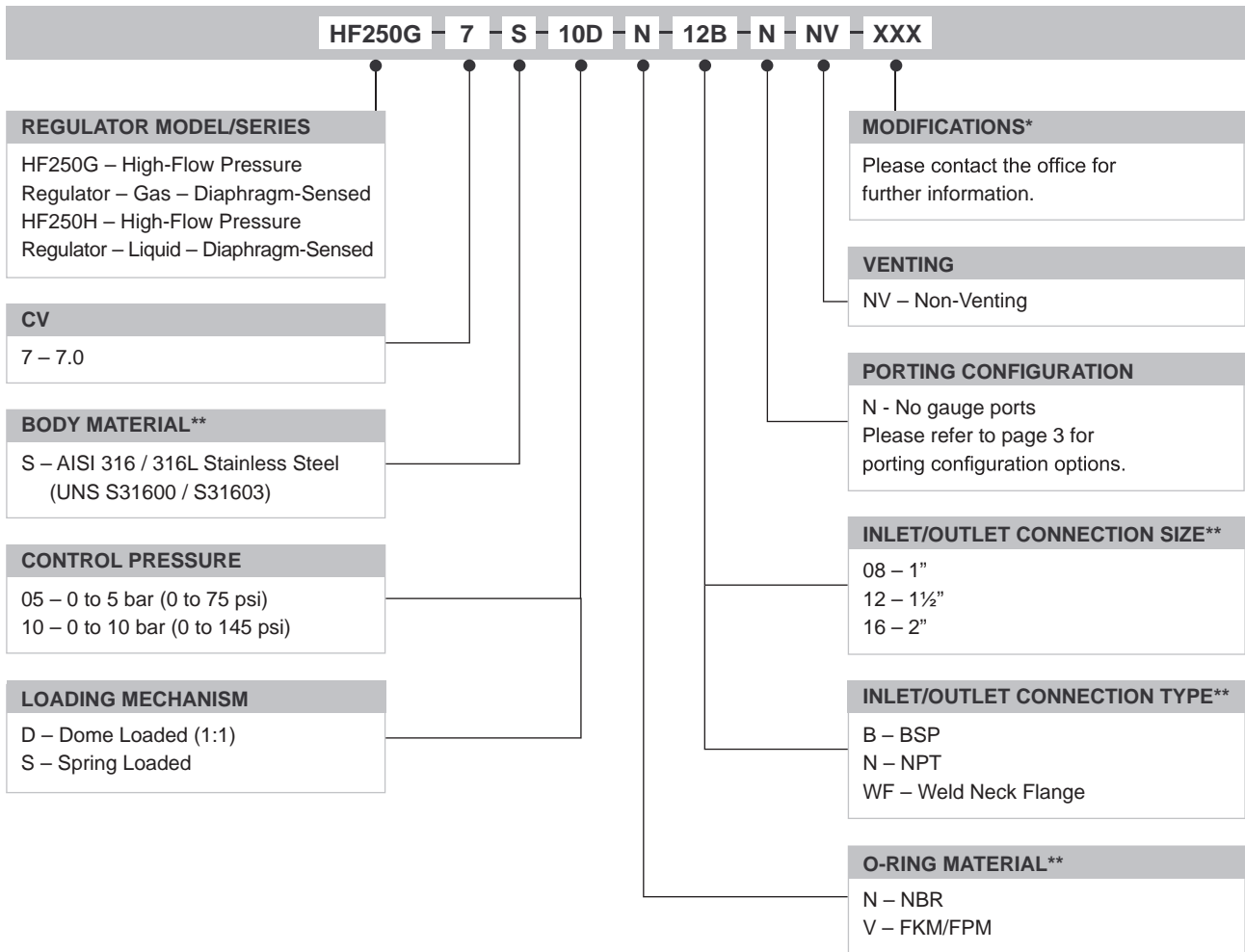


Notes:

- * Additional porting configurations are available - please contact the office for further information.
- * One gauge to be used with extension bar if mounted directly.

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ORDERING INFORMATION



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-HF250...	Various options available
Panel Mounting Ring	PT-C-024	-

Note:
Ancillary Equipment and additional Service Kit options also available.