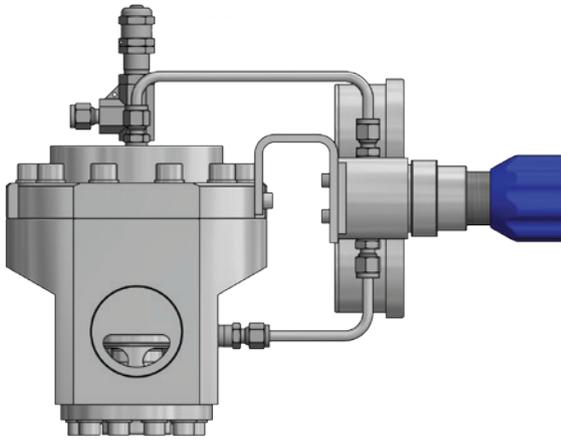


HF211 Datasheet

HIGH-FLOW PRESSURE REGULATOR



Gas
 Liquid
 Diaphragm
 Piston
 Self-Venting
 Non-Venting
 Max Inlet: 210 bar (3,045 psi)
 Max Outlet: 200 bar (2,900 psi)
 Cv 13.0



INTRODUCING THE HF211...

The HF211 is a dome-loaded (as standard), piston-sensed high-flow pressure regulator for gas or liquid applications. The liquid version includes a PEEK™ seat, whilst the gas version features PCTFE seating. With a Cv of 13.0, it is perfect for high-flow applications.

The HF211 is fitted with a pilot as standard (MF101 for up to 35 bar / 510 psi outlet pressure and LF540 for over 35 bar / 510 psi and up to 200 bar / 2,900 psi) - please contact the office before placing your order if you do not require a pilot.

SPECIFICATION

Max. Rated Inlet Pressure	210 bar (3,045 psi)
Outlet Ranges	Up to 200 bar (2,900 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	kg (lbs)

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	Inconel® X750
Piston	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
'O'-Ring Seals	NBR
Loading Spring	AISI 302 Stainless Steel (UNS S30200)

FEATURES AND BENEFITS

1 PILOT-OPERATED AS STANDARD

Fitted as standard with MF101 or LF540 pilot, or choose to order without to suit your application.

2 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

3 HIGH FLOW COEFFICIENT

Cv 13.0 for high-flow capabilities.

4 SUITABLE FOR GAS OR LIQUID APPLICATIONS

Versatile usage across a range of media-types.

NOTE: 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. Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.



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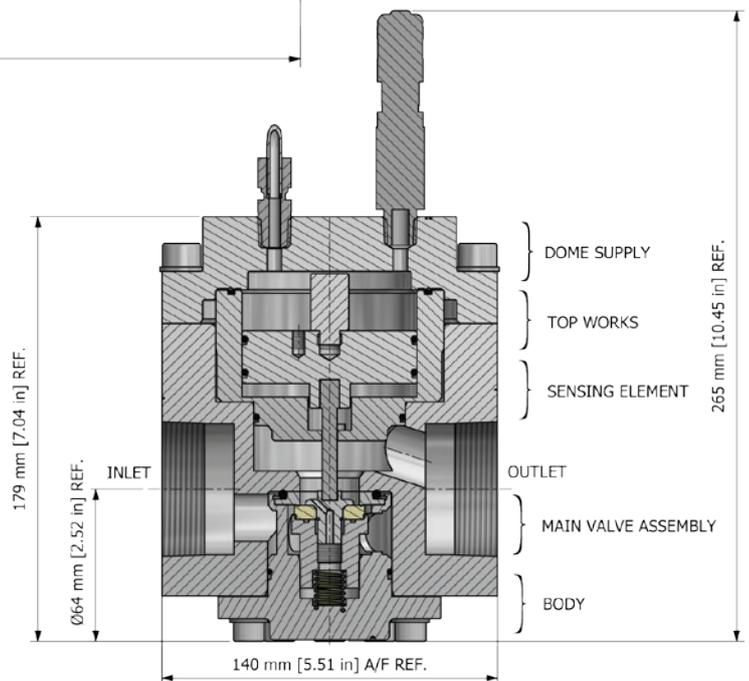
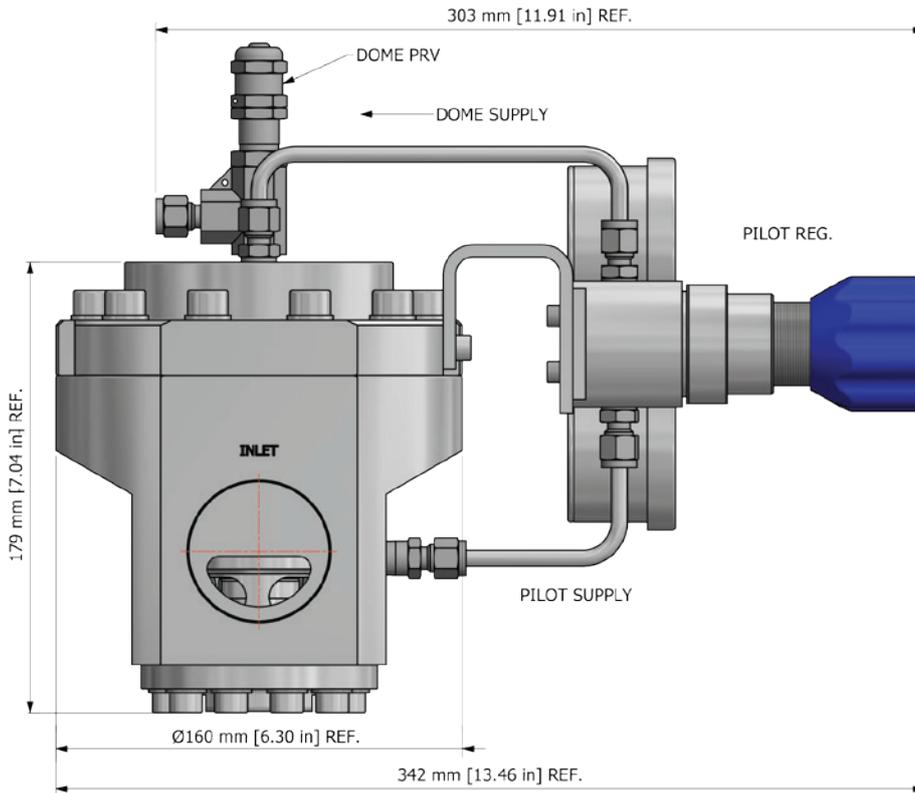
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 2" NPT option - please contact the office for additional connections options.



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

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HIGH-FLOW PRESSURE REGULATOR

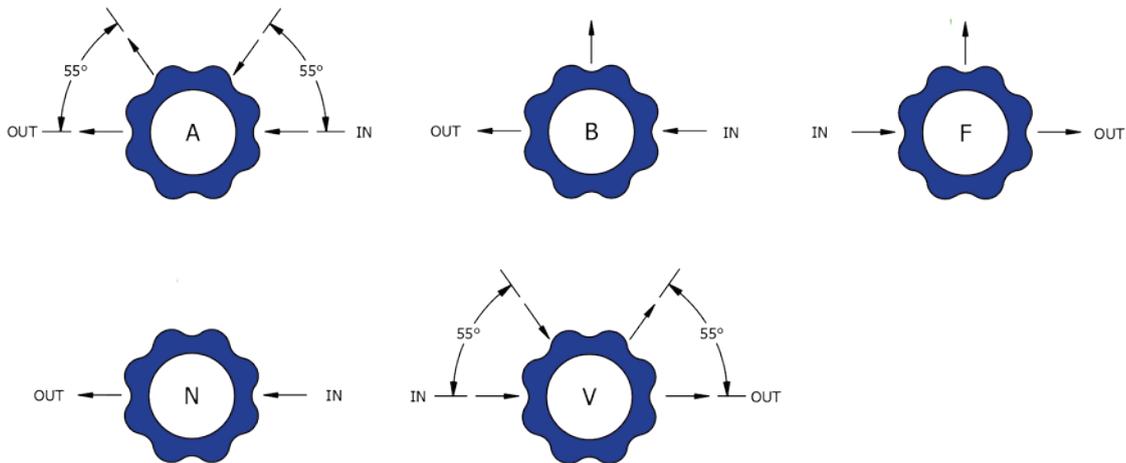


● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 210 bar (3,045 psi) | Max Outlet: 200 bar (2,900 psi) | Cv 13.0

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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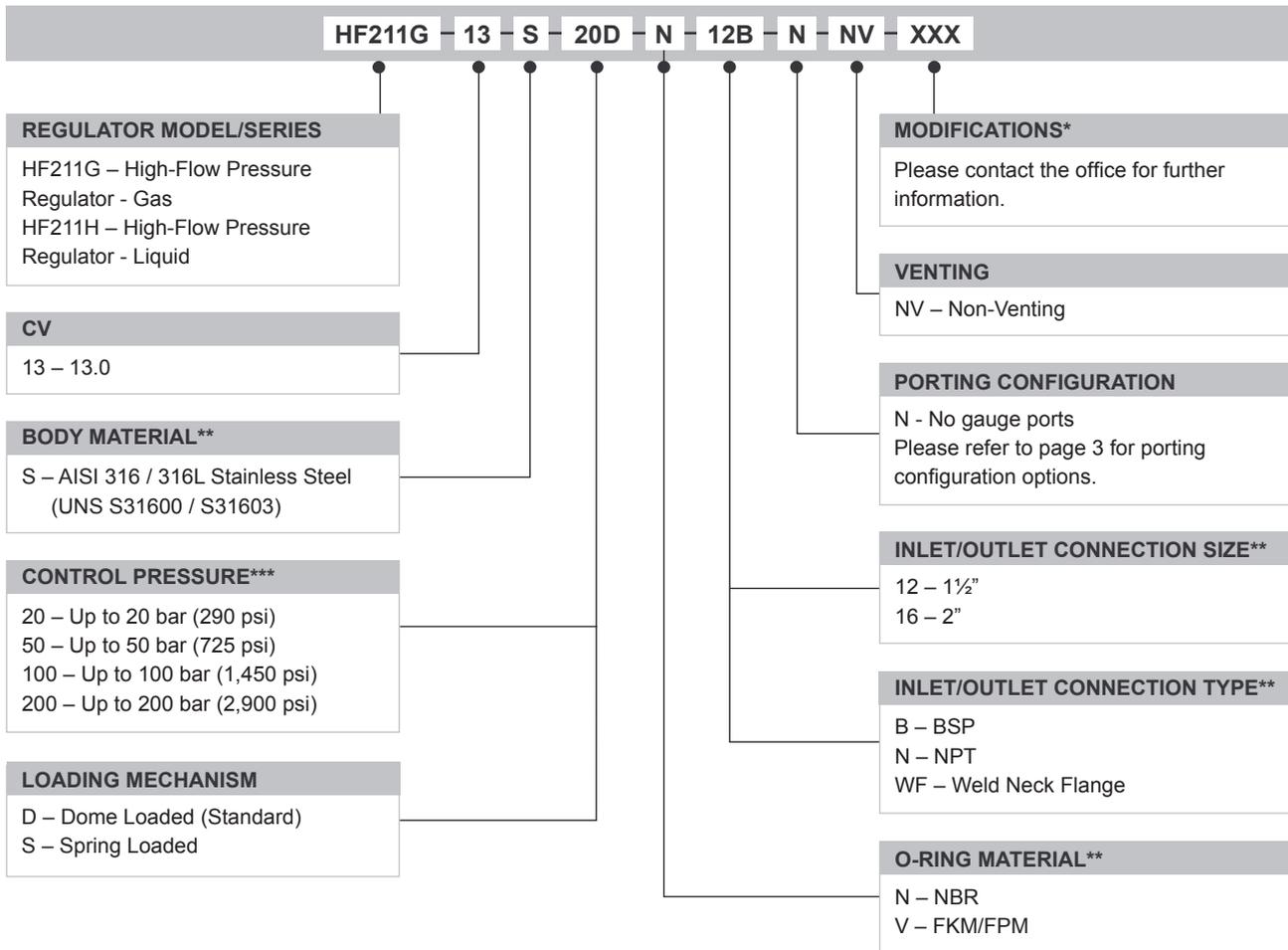
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ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-HF211...	Various options available
Panel Mounting Ring	PT-C-024	-

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

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International
PEEK™ is a trademark of Victrex PLC

* Where applicable
** Other materials may be available - please contact the office
*** MF101 pilot for control pressure <35 bar (510 psi) / LF540 pilot for control pressure >35 bar (510 psi)

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