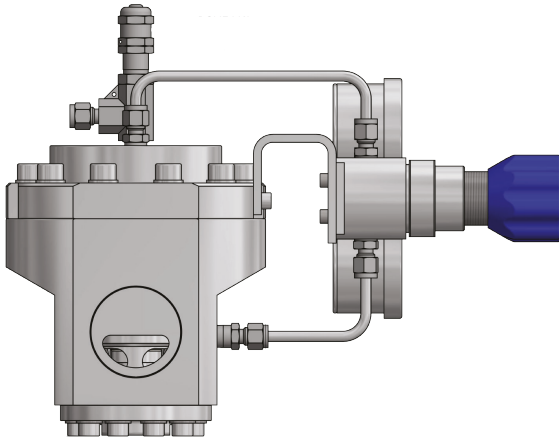


# HF211 Datasheet

## 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.

### 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-Rings	NBR
Loading Spring	AISI 302 Stainless Steel (UNS S30200)

### 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)

\* Pressure regulator rating may be limited by connection type, Cv and/or seat material

### 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.



DESIGNED AND BUILT IN THE UK

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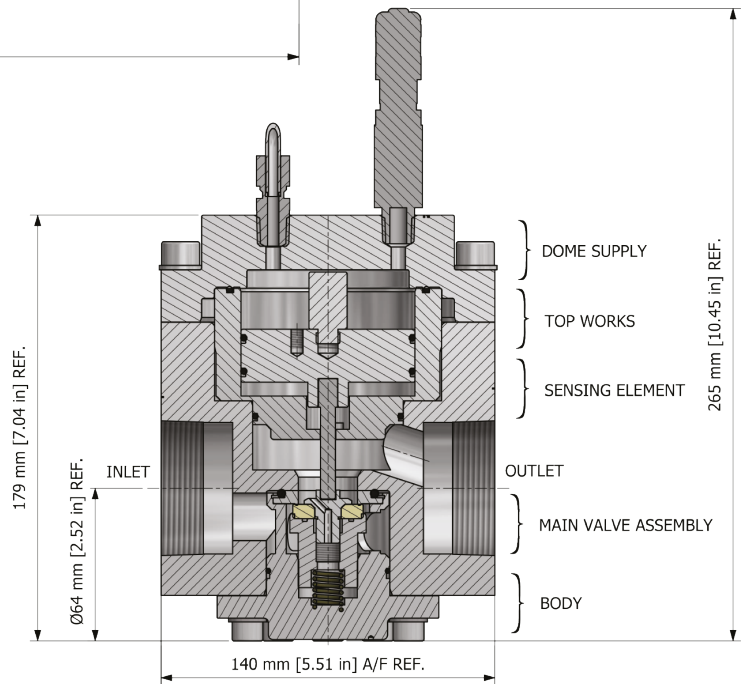
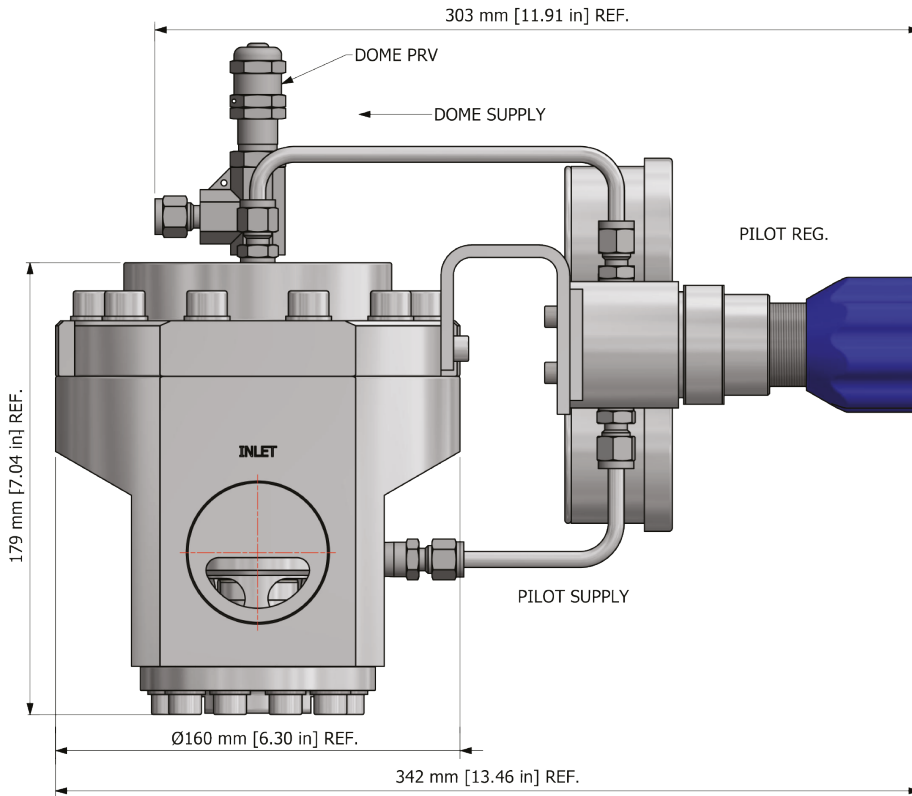
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## DRAWINGS AND INSTALLATION DIMENSIONS

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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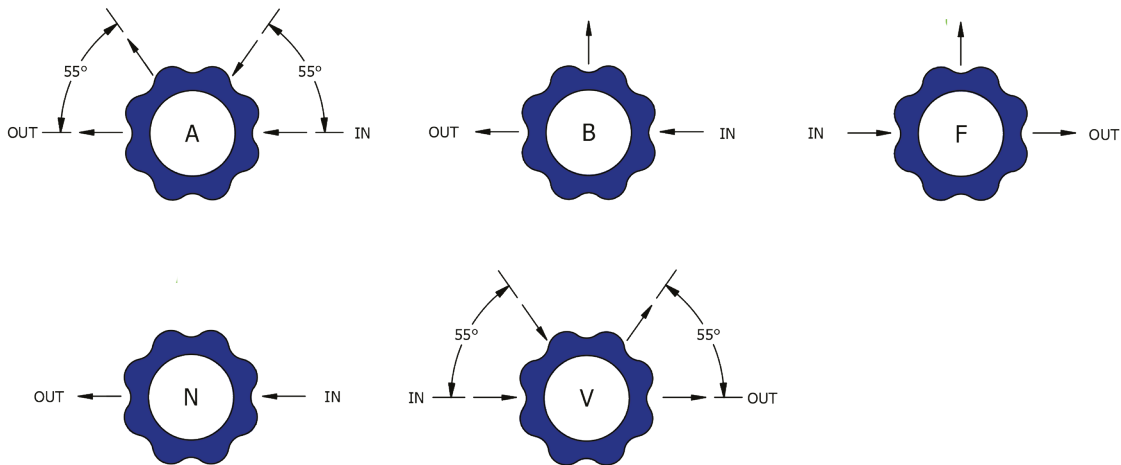


● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 210 bar (3,045 psi) | Max Outlet: 200 bar (2,900 psi) | Cv 13.0

## 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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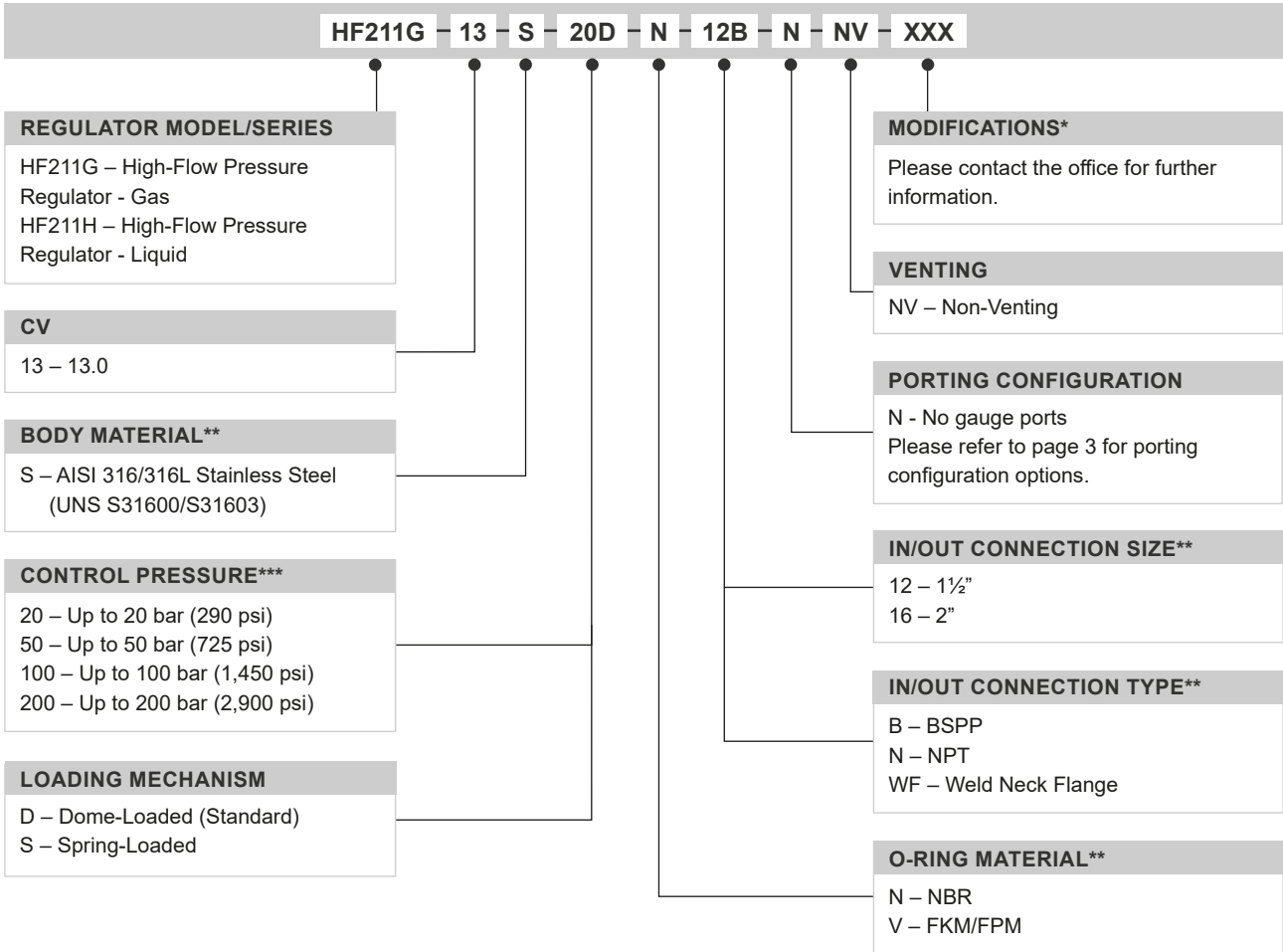
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### ORDERING INFORMATION

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 connections/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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