# **HF301 Datasheet**

HIGH-FLOW PRESSURE REGULATOR

# **PRESSURE TECH**



## **INTRODUCING THE HF301...**

The HF301 is a non-venting piston-sensed high-flow pressure regulator for gas or liquid applications with a balanced main valve design. The liquid version includes a Vespel® seat, whilst the gas version features PEEK<sup>™</sup> seating. The HF301 provides stable control with a high level of accuracy under varying inlet pressures.

An unbalanced option can be offered alternatively for applications with maximum inlet pressures of up to 50 bar (725 psi).

## **SPECIFICATION**

Max. Rated Inlet Pressure	300 bar (4,350 psi)
Outlet Ranges	Up to 300 bar (4,350 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	9.7kg (21.4lbs)

## FEATURES AND BENEFITS



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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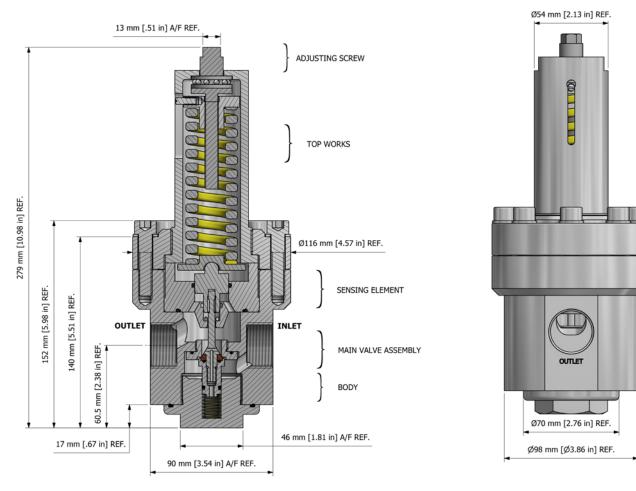
# STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel
Body and Bonnet	(UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel
	(UNS S31600 / S31603)
Soft Seat	Vespel <sup>®</sup> or PEEK <sup>™</sup>
Valve Spring	Inconel <sup>®</sup> X750
Piston	AISI 316 / 316L Stainless Steel
FISION	(UNS S31600 / S31603)
'O'-Ring Seals	FKM / FPM
Loading Spring	High Grade Alloy Spring Steel



# DRAWINGS AND INSTALLATION DIMENSIONS

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



TOP VIEW



050619

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

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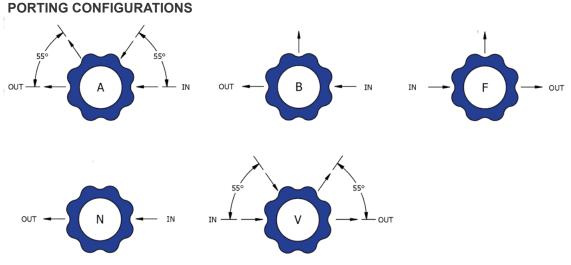
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## FLOW CURVE

Please contact the office for further information.



### Notes:

Additional porting configurations are available - please contact the office for further information.

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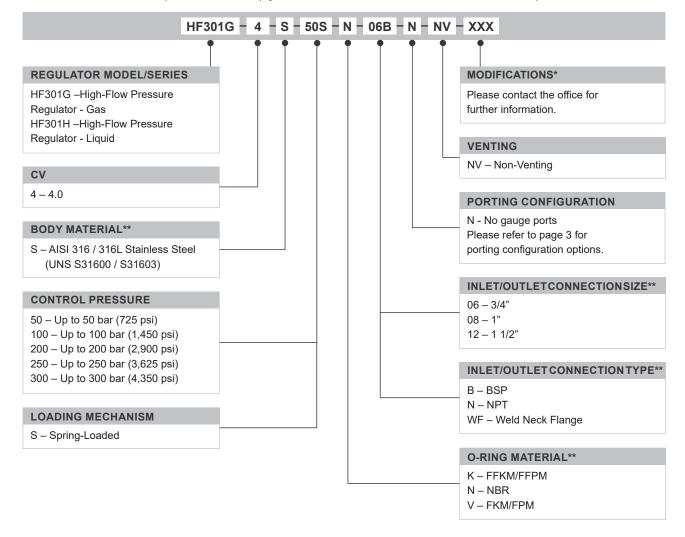
HIGH-FLOW PRESSURE REGULATOR



**PRESSURE TECH** 

## **ORDERING INFORMATION**

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



	PART NUMBER	DESCRIPTION	
	PART NUMBER	DESCRIPTION	
Service Kit	SRK-HF301	Various options available	

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International PEEK<sup>™</sup> is a trademark of Victrex PLC Vespel® is a registered trademark of DuPont

\* Where applicable

\*\* Other materials may be available - please contact the office

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