

XHS311 Datasheet

SINGLE HEATED PRESSURE REGULATOR



Gas
 Liquid
 Diaphragm
 Piston
 Self-Venting
 Non-Venting
 Max Inlet: 414 bar (6,000 psi)
 Max Outlet: 150 bar (2,175 psi)
 Cv 0.06



INTRODUCING THE XHS311...

The XHS311 is a piston-sensed, economical single heated regulator, available in side-entry (SE) or in-line (IL) heat transfer options to maintain sample gases in their vapour state.

The side-entry design can be used in applications where heat transfer is less critical, and where installations have height restrictions. The in-line design maximises the heat transfer area via a unique spiral machined heater sheath, which mixes the gas and ensures efficient heat transfer.

In addition, its electrical enclosure meets the requirements of IP66 and NEMA 4 specifications.

ATEX MARKING

The marking on the equipment includes the following information:

Ex II 2 G

Ex d IIC Gb T3 Ta = -40°C to +55°C

STANDARD MATERIALS OF CONSTRUCTION

Other materials are available - please contact the office.

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	FKM / FPM
Electric Enclosure	Feraloy Iron Alloy

SPECIFICATION

Max. Rated Inlet Pressure	414 bar (6,000 psi)
Outlet Ranges	Up to 150 bar (2,175 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	4.8kg (10.6lbs)

FEATURES AND BENEFITS

1 SIDE-ENTRY OR IN-LINE

Choice of heater cartridge position caters for various application requirements.

2 100W HEATER CARTRIDGE

Efficient heater to maintain sample gases in their vapour state.

3 ATEX / IECEX CERTIFIED

Certified for use in category 2 zone 1 hazardous areas.

4 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

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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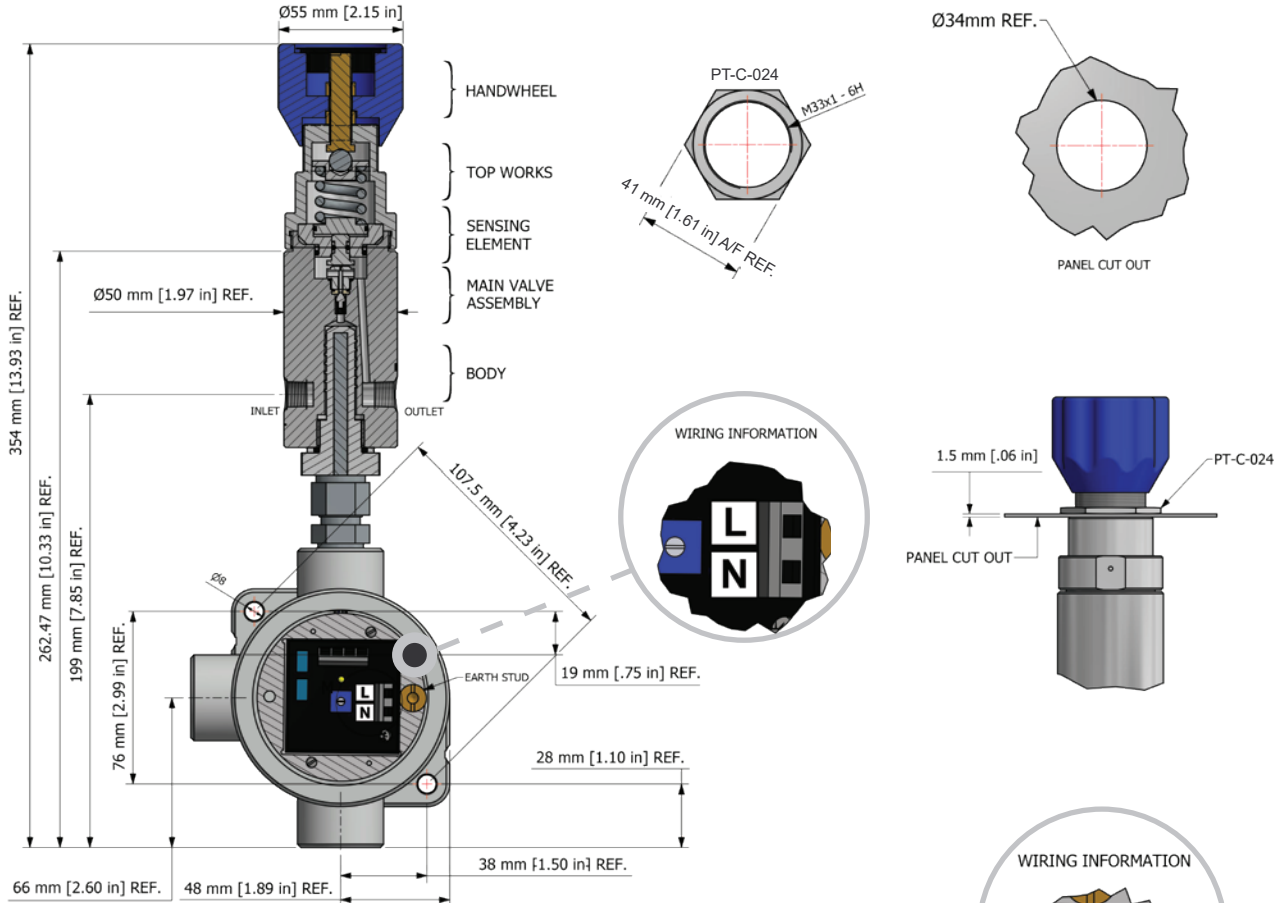


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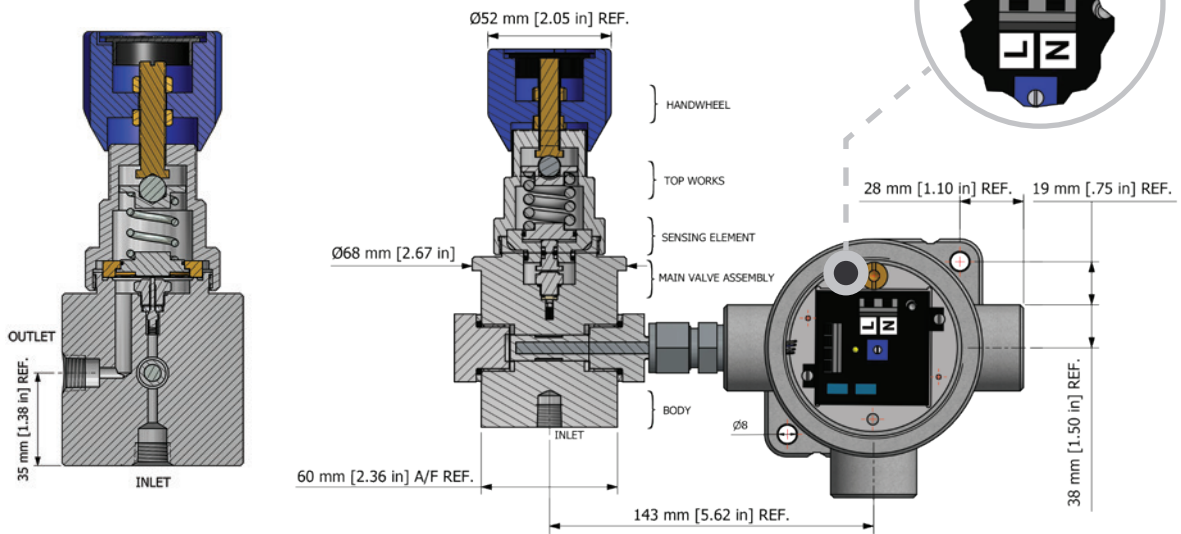
DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option - please contact the office for additional connections options.

IN-LINE



SIDE-ENTRY



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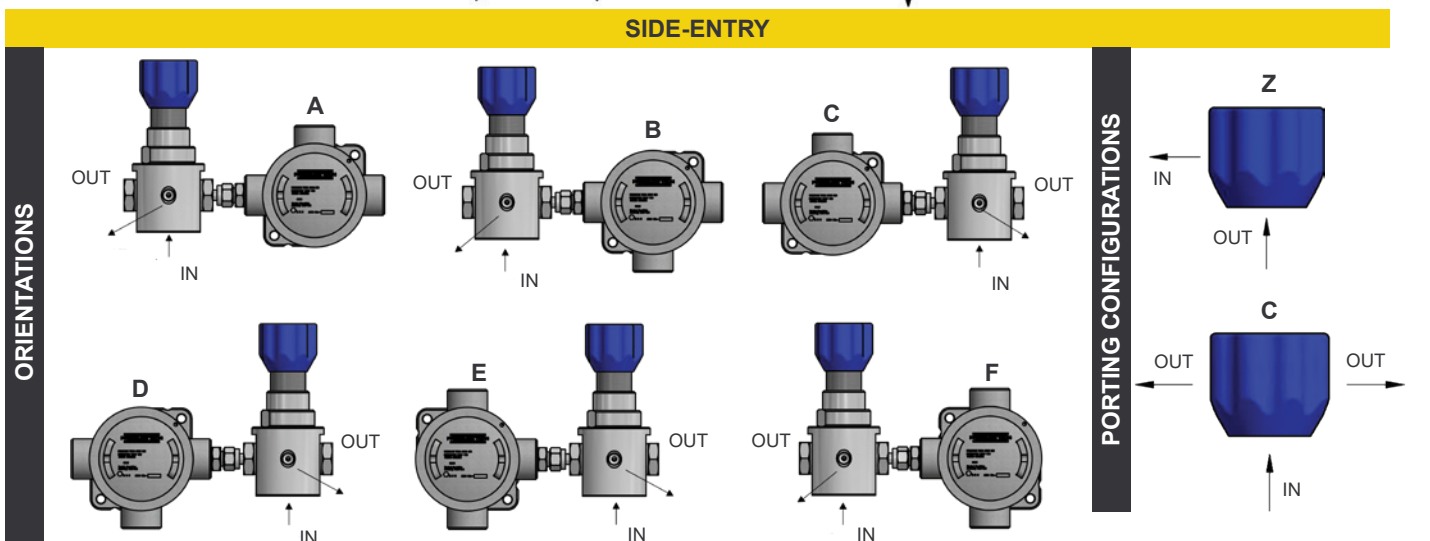
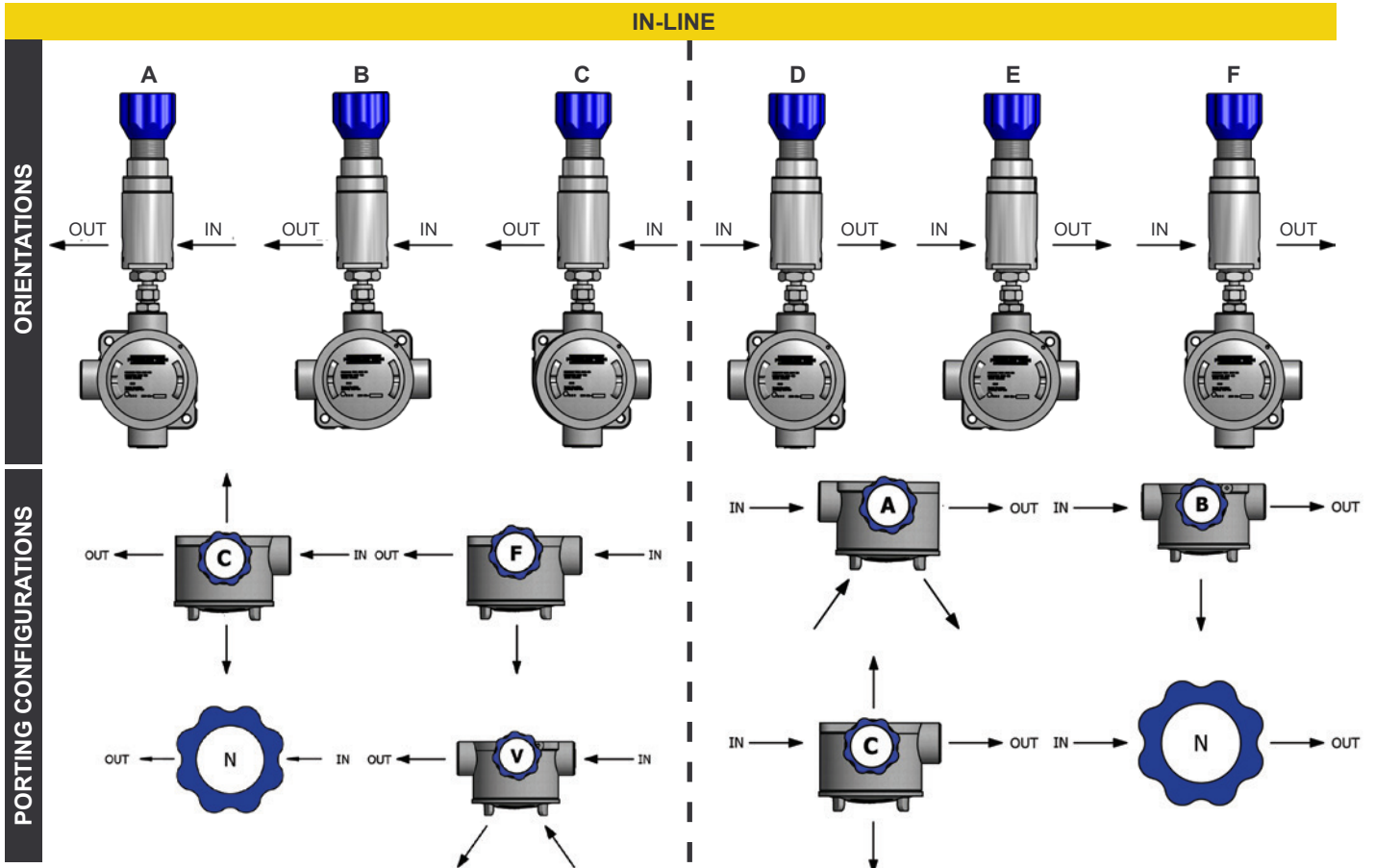
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ASSEMBLY ORIENTATIONS

To select a valid assembly, choose your required orientation and then combine with a compatible porting configuration. Please note - gauge ports must be in a forward-facing position.



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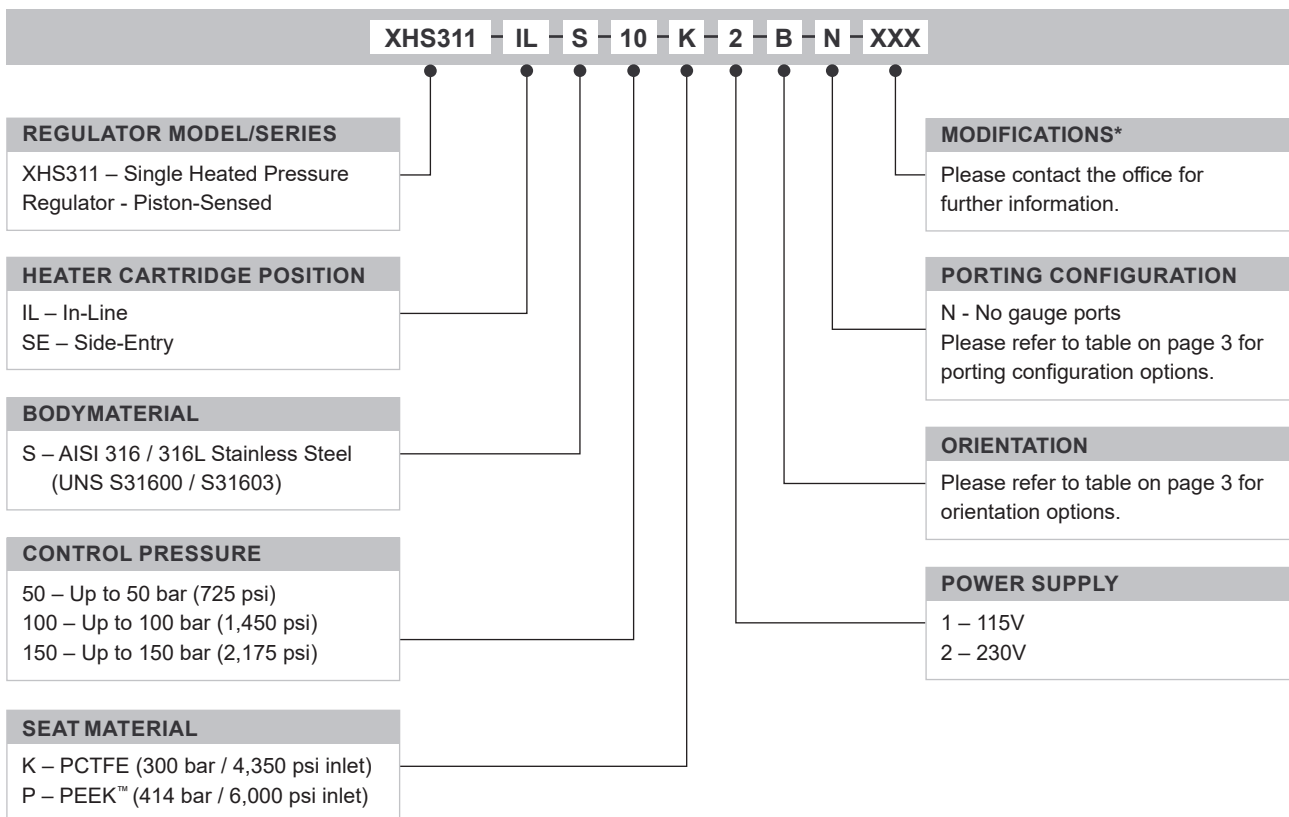
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FLOW CURVE

Please contact the office for further information.

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-XHS311...	Various options available
Panel Mounting Ring	PT-C-024	-

Note:
Ancillary Equipment also available

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

* Where applicable
** Other materials may be available - please contact the office

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