DUAL-HEATED PRESSURE REGULATOR (STEAM-HEATED OPTION)















Max Inlet: 414 bar (6,000 psi)

Max Outlet: 35 bar (510 psi)

Cv 0.06



INTRODUCING THE STEAM-HEATED XHR310...

The XHR310 is a diaphragm-sensed, dual-heated pressure regulator, designed to maintain sample liquids and gases in their vapour state.

The steam-heated option utilises steam tubes rather than heater cartridges to agitate the media and help with the heat transfer and analysis process.

The XHR310 incorporates the LF310 regulator - further details may be found on the LF310 datasheet.

FEATURES AND BENEFITS

STEAM-HEATED

Utilises steam, rather than electric to perform the heating function.

INCONEL® X750 DIAPHRAGM

> For ultimate strength and reliability on clean or corrosive applications.

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603) Approx. Temperatures: -196°C to 538°C
Main Valve Pin	ASTM A479 316/316L Stainless Steel
Soft Seat	PEEK [™] (450G) Approx. Temperatures: -50°C to 204°C
Valve Spring	Inconel® X750 (UNS N07750) Approx. Temperatures: -196°C to 700°C
Diaphragm	Inconel® X750 (UNS N07750)
O-Rings	FKM/FPM (Viton) Approx. Temperatures: -20°C to 200°C

For the full list of material temperature ranges, please visit www.pressure-tech.com.

Note: Temperature details are provided as nominal values for guidance purposes only. No warranty is made, expressed or implied. Contact the office for specific temperature requirements.

SPECIFICATION

Max. Rated Inlet Pressure	414 bar (6,000 psi)
Outlet Ranges	Up to 35 bar (510 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	2.5kg (5.5lbs)

Note: Pressure regulator rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure requirements

40 MICRON **INLET FILTER**

> First stage soft seat protection from system contamination.

SOLID DISK SEAT DESIGN

> Robust design enabling higher inlet pressures of 414 bar (6,000 psi).

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.





PRESSURE TECH LTD

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DUAL-HEATED PRESSURE REGULATOR (STEAM-HEATED OPTION)



● Gas ● Liquid

• Diaphragm • Piston



Non-Venting

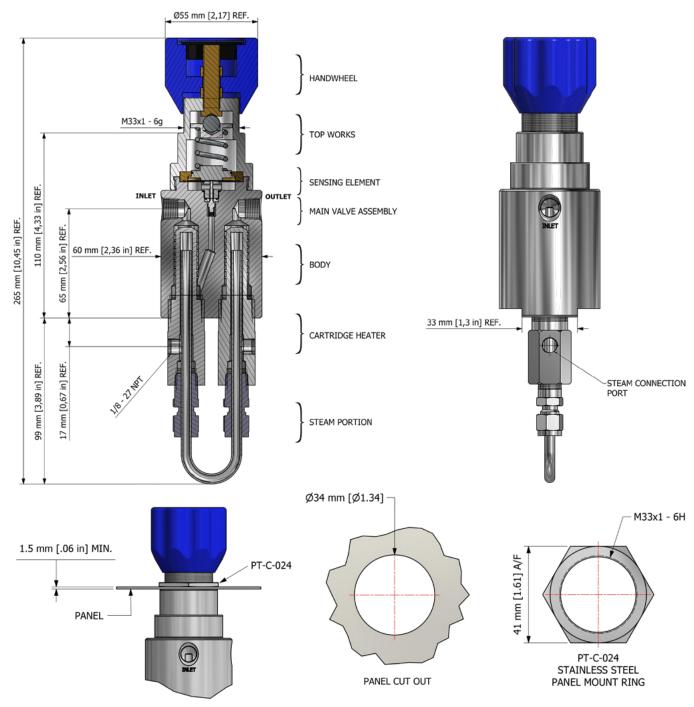
Max Inlet: 414 bar (6,000 psi)

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Cv 0.06

DRAWINGS AND INSTALLATION DIMENSIONS

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



Note:

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

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Max Inlet: 414 bar (6,000 psi)

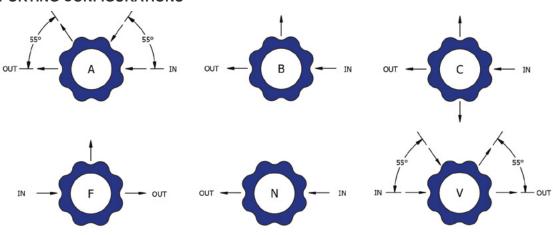
Max Outlet: 35 bar (510 psi)

Cv 0.06

FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Notes:

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

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DUAL-HEATED PRESSURE REGULATOR (STEAM-HEATED OPTION)



● Gas ● Liquid

DiaphragmPiston

Self-Venting

Non-Venting

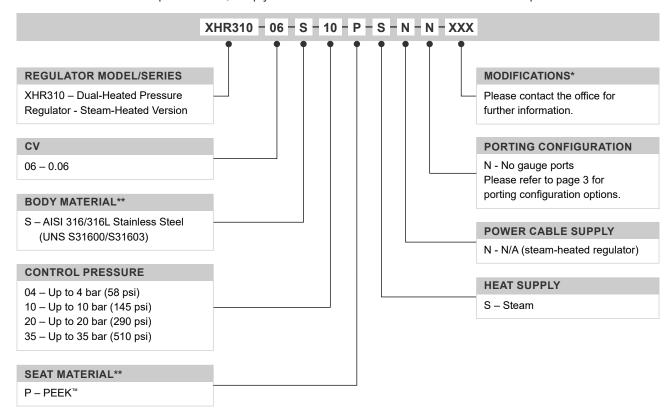
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Cv 0.06

ORDERING INFORMATION

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



	PART NUMBER	DESCRIPTION
Service Kit	SRK-LF310-06-U-P-M2-V	PEEK™ seat and FKM/FPM seals
Panel Mounting Ring	PT-C-024	-

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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