SINGLE-HEATEDPRESSUREREGULATOR



● Gas ● Liquid ● Diaphragm ●	Piston	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 35 bar (510 psi) Cv 0.06
		cus	
5 - 3 - 3 - 3 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		STANDARD MATERIALS	OF CONSTRUCTION

PART

Body and Bonnet

Main Valve Pin

Soft Seat

Valve Spring

Diaphragm

O-Rings



INTRODUCING THE XHS410...

The XHS410 is an 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 SE design can be used where heat transfer is less critical, and where installations have height restrictions. The IL design maximises the heat transfer area via a spiral machined heater sheath, which mixes the gas and ensures efficient heat transfer.

The XHS410 is certified to ATEX, IECEx and CSA and its electrical enclosure meets the requirements of IP66 and NEMA 4X specifications.

ATEX AND IECEX MARKINGS

The markings on the equipment includes: Ex II 2 G Ex db IIC T3 Gb -40°C ≤ Ta ≤ 60°C CE 2183

SPECIFICATION

Electric Enclosure

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	3kg (6.6lbs)

MATERIALS

(UNS S31600/S31603)

(UNS S31600/S31603)

Inconel® X750 (UNS N07750)

Inconel® X750 (UNS N07750)

Aluminium (or ASTM A479 316/316L

Polysulfone (PSU)

FKM/FPM (Viton)

Stainless Steel)

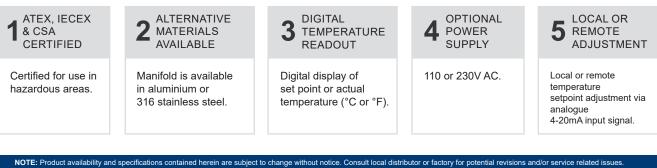
ASTM A479 316/316L Stainless Steel

ASTM A479 316/316L Stainless Steel

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

USA AND CANADA MARKINGS

The markings on the equipment includes: US and CAN: CL I, D1 T3 Gps A-D US: CL1, Zone 1 AEx db IIC T3 Gb CAN: Ex db IIC T3 Gb (as IEXEx) Ta: -40°C to 59°C



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

FEATURES AND BENEFITS



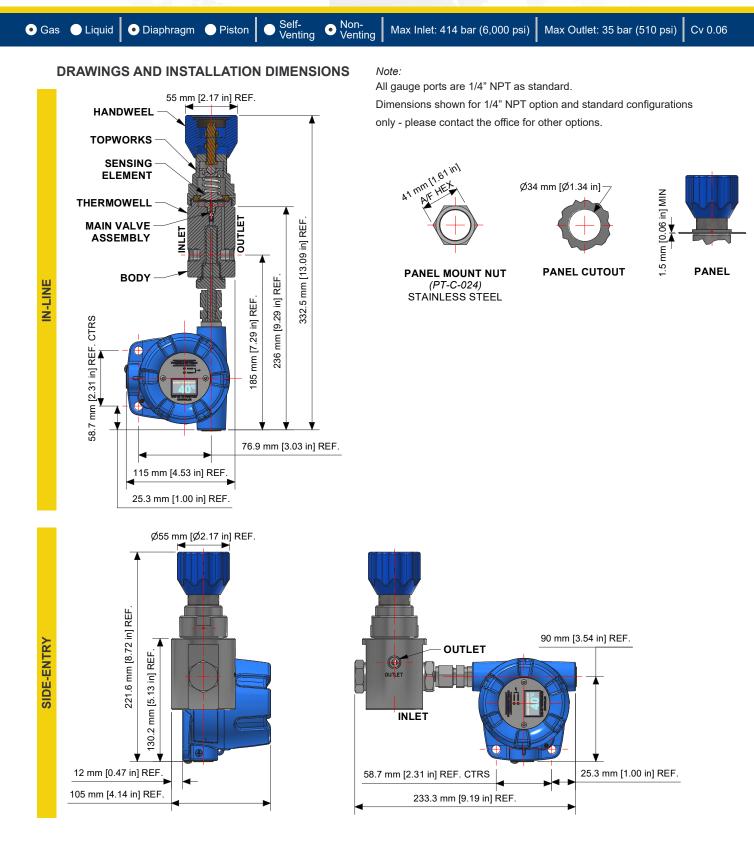
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SINGLE-HEATEDPRESSUREREGULATOR





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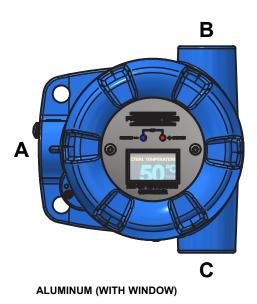


SINGLE-HEATEDPRESSUREREGULATOR

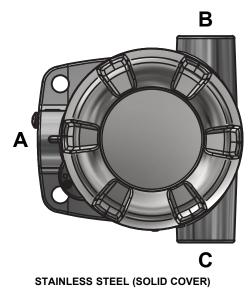


● Gas ● Liquid ● Diaphragm	Piston	Self- Venting	 Non- Venting 	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 35 bar (510 psi)	Cv 0.06

ENCLOSURE OPTIONS



		ENCLOSURE OPTIONS					
	-	CONDUIT (A)	CONDUIT (B)	CONDUIT (C)			
ALUMINIUM WITH	А	1/2" NPT	1/2" NPT	1/2" NPT			
WINDOW	В	NONE	1/2" NPT	1/2" NPT			
VVINDOVV	С	NONE	M20	M20			
ALUMINIUM SOLID COVER	D	1/2" NPT	1/2" NPT	1/2" NPT			
	Е	NONE	1/2" NPT	1/2" NPT			
	F	NONE	M20	M20			
STAINLESS STEEL WITH WINDOW	G	1/2" NPT	1/2" NPT	1/2" NPT			
	н	NONE	1/2" NPT	1/2" NPT			
	J	NONE	M20	M20			
STAINLESS STEEL	К	1/2" NPT	1/2" NPT	1/2" NPT			
SOLID COVER	L	NONE	1/2" NPT	1/2" NPT			
SOLID COVER	М	NONE	M20	M20			



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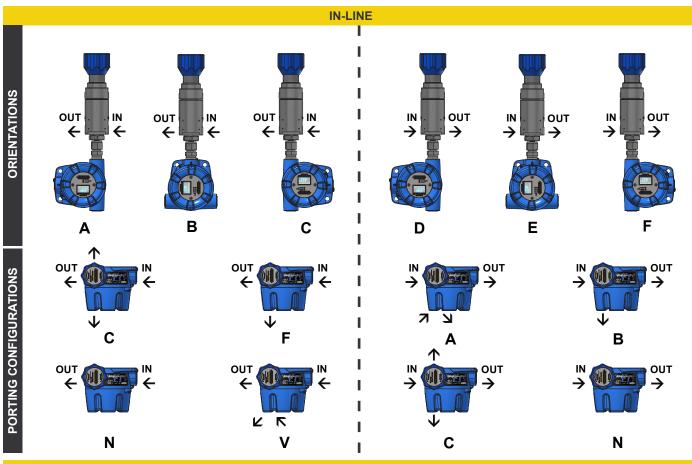
XHS410 Datasheet SINGLE-HEATEDPRESSURE REGULATOR



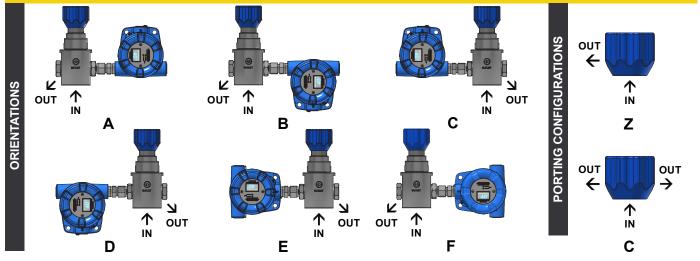


ASSEMBLY ORIENTATIONS

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.



SIDE-ENTRY



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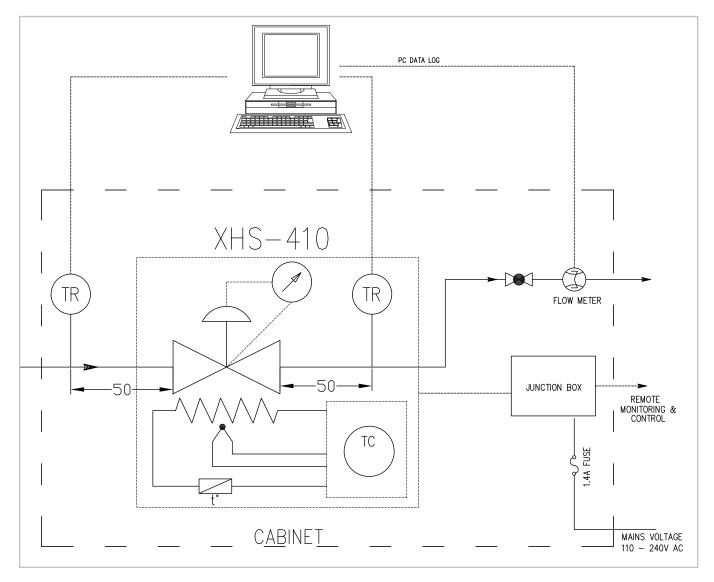
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FLOW TEST LAYOUT



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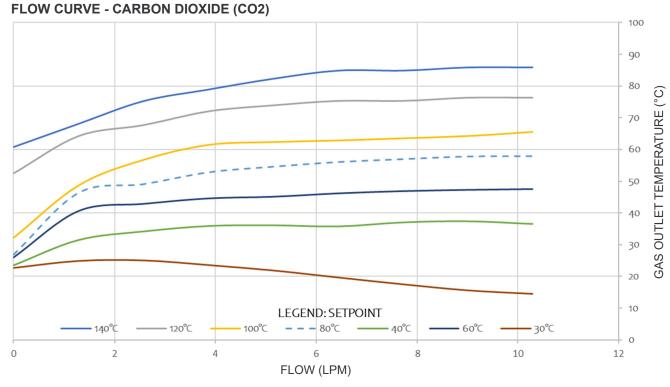
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SINGLE-HEATEDPRESSUREREGULATOR

💿 Gas i Liquid	• Diaphragm	Piston	 Self- Venting 	 Non- Venting 	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 35 bar (510 psi)	Cv 0.06

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FLOW CURVE - NITROGEN (N2)

100 90 80 () 0 TEMPERATURE 70 60 50 GAS OUTLET 40 30 20 LEGEND: SETPOINT 10 140°C - 100°C - 40°C -60°C - 120°C - 80°C -30°C 0 0 2 5 1 3 4 6 7 FLOW (LPM)

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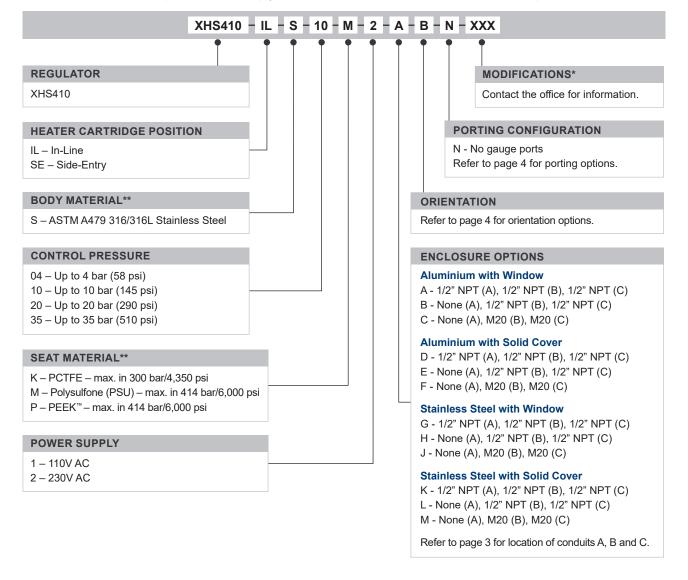
SINGLE-HEATEDPRESSUREREGULATOR



	● Gas ● Liquid ● Diaphra	gm 🔵 Piston	Self- Venting	Non- Venting	Max Inlet: 414 bar (6,000 psi)	Max Outlet: 35 bar (510 psi)	Cv 0.06
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ORDERING INFORMATION

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



OPTIONAL EXTRAS				
		DECODIDITION		
	PART NUMBER	DESCRIPTION		
Service Kit	SRK-LF310	Various options available		
Panel Mounting Ring	PT-C-024	-		
Note: Ancillary Equipm	ent also 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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