AUTO438 Datasheet

EC79 APPROVED PRESSURE REGULATOR FOR HYDROGEN BUSES AND TRUCKS

● Gas ● Liquid ● Diaphragm ● Piston	Self- Venting Venting	Max Inlet: 438 bar (6,350 psi)	Max Outlet: 20 bar (290 psi)	Cv 0.25
	EC79			
	APPROVED			

INTRODUCING THE AUTO438...

The AUTO438 is an EC79/2009 approved pistonsensed pressure regulator, designed specifically for hydrogen fuel cell buses and trucks. During the EC79 testing process, it was put through 90,000 cycles by external certification body, KIWA Nederland B.V. equating to 10 years life time on a typical installation!

With a balanced main valve as standard, it offers stable control of outlet pressures up to 20 bar (290 psi) from a maximum 438 bar (6,350 psi) inlet pressure.

SPECIFICATION

Max. Rated Inlet Pressure	438 bar (6,350 psi)
Outlet Ranges	Up to 20 bar (290 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight (Aluminium Body)	1.8kg (3.97lbs)

FEATURES AND BENEFITS

EC79/2009 APPROVED

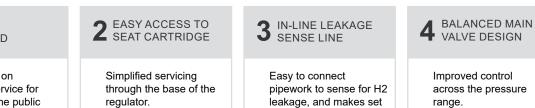
Permits use on hydrogen service for vehicles in the public domain

regulator.

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body	Anodised Aluminium T6511 (UNS AW6082)
Main Valve Pin	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
Valve Spring	Elgiloy® (UNS R30003)
Piston	ASTM A479 316/316L Stainless Steel
O-Rings	FPM/FKM Low Temp & AED (Viton)
Loading Spring	ASTM A479 316/316L Stainless Steel
Filter	30 Microns

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



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

point anti-tamper proof.

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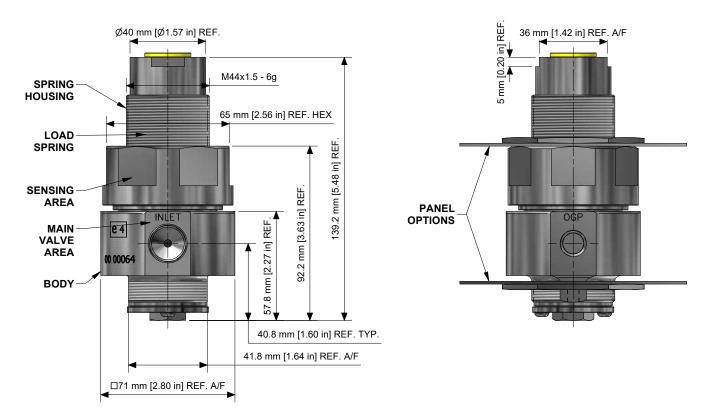
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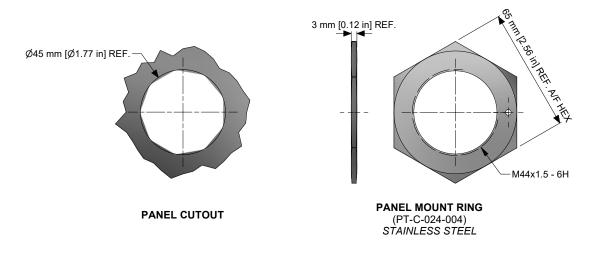
DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for standard configurations only - please contact the office for other options.



MOUNTING CONFIGURATION

Mounting panel is secured between the body and bonnet with a panel mounting nut (see above right and below).



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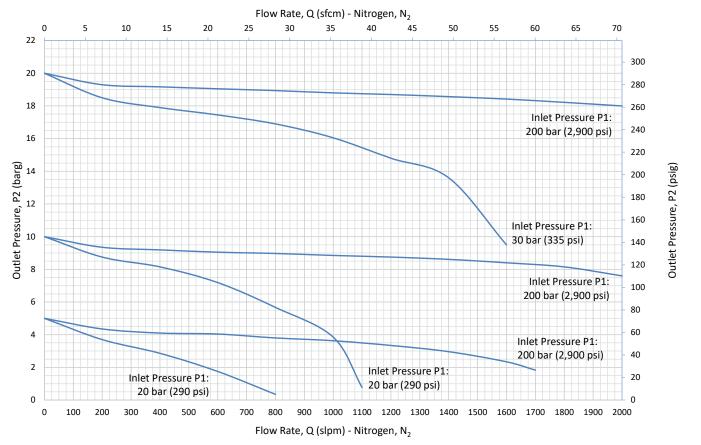


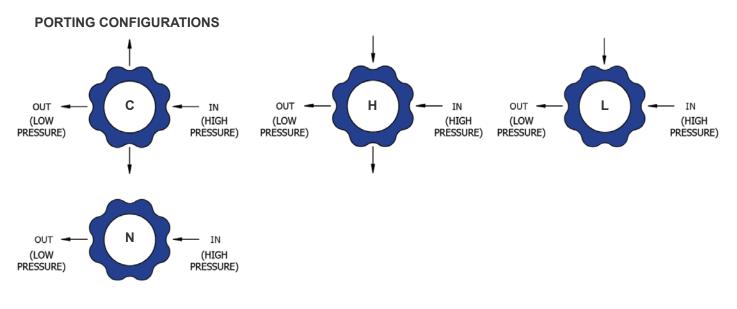
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EC79 APPROVED PRESSURE REGULATOR FOR HYDROGEN BUSES AND TRUCKS

	💿 Gas i Liquid	Diaphragm	• Piston	Self- Venting	 Non- Venting 	Max Inlet: 438 bar (6,350 psi)	Max Outlet: 20 bar (290 psi)	Cv 0.25
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FLOW CURVE





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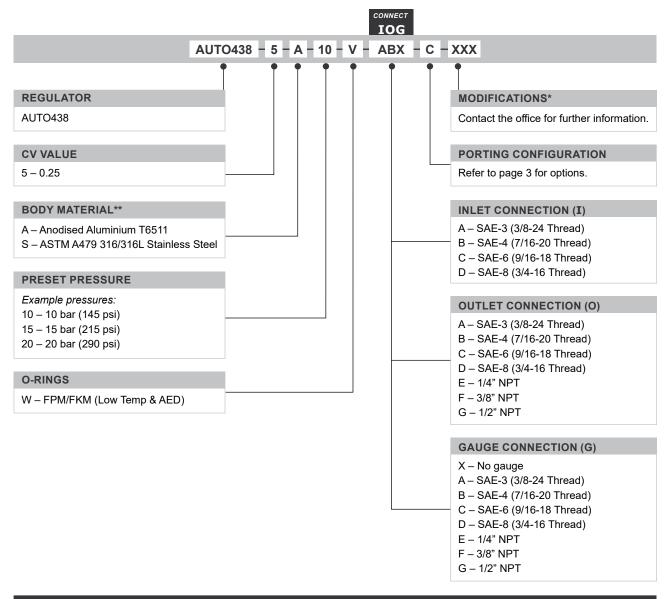
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● Gas ● Liquid ● Diaphragm ● Piston ● Self- Venting ● Non- Venting ● Max Inlet: 438 bar (6,350 psi) ■ Max Outlet: 20 bar (290 psi) ■ Cv 0.25
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ORDERING INFORMATION

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



OPTIONAL EXTR	RAS	
	PART NUMBER	DESCRIPTION
Service Kit	SRK-AUTO438-05-B	Various 'Balanced' options available
Note: Ancillary e	quipment also available	

TRADEMARKS: Elgiloy[®] is a registered trademark of Elgiloy Specialty Metals

* Where applicable ** Other options may be available

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