PRESSURE TECH

ACCURATE & DEPENDABLE:
Hydrogen Fuel Cell Regulators

Growing concerns over poor air quality and the government's drive to reduce carbon emissions are leading to increased interest in Hydrogen fuel cell technology. Chemical energy in the Hydrogen is stored under high pressure and converted into electrical energy via an electrochemical process produced by the fuel cell.

Reducing the pressure from high pressure containers, typically 350 bar (5,075 psi) or 690 bar (10,000 psi), down to lower pressures to feed the fuel cell requires a pressure regulator with a range of features that provide accurate and stable control under varying operating conditions.

Our range of Hydrogen fuel cell regulators cover various applications depending on factors such as flow rates to the fuel cells, and ultimately, energy output requirements.

AUTO438: EC79-APPROVED REGULATOR FOR H2 BUS AND TRUCK APPLICATIONS

The AUTO438 is an EC79 approved piston-sensed pressure regulator, certified for use on hydrogen service vehicles in the public domain, and designed specifically for hydrogen-powered buses and trucks.

During the EC79 testing process, it was put through over 90,000 cycles by external certification body, KIWA Nederland, which equates to 10 years life time on a typical installation!

To discuss how Pressure Tech can support your application, call our Sales team on +44 (0)1457 899 307 or send an email to sales@pressure-tech.com.

EC79 APPROVED

ABOVE: PHOTO COURTESY OF **INTELLIGENT ENERGY**

EC79 APPROVED

REFUELLING	BUSES AND TRUCKS	DRONES/LIGHT APPLICATIONS
RF1034	**AUTO438**	**LW351**
Max. In: 1,034 bar (15,000 psi)	Max. In: 438 bar (6,350 psi)	Max. In: 350 bar (5,075 psi)
Max. Out: 1,034 bar (15,000 psi)	Max. Out: 20 bar (290 psi)	Max. Out: 3 bar (45 psi)
Port Size: 3/8" & 9/16" HP	Port Size: 1/4" NPT / SAE	Port Size: 1/8" BSP
CV: 0.33 or 0.5	CV: 0.25	CV: 0.06
Non-venting or self-venting (capured)	Non-venting	Non-venting
	EC79 approved	0.2kg lightweight design

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DESIGNED, MANUFACTURED AND BUILT IN THE UK