

# PRESSURE TECH



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# Introducing Pressure Tech

Established in 2000, I am proud to say that Pressure Tech is a family business with customer service and quality at the heart of our operation. Equally, we pride ourselves on having the technical know-how and professionalism typically associated with much larger corporate companies.

Based in the North-West UK, our facilities house the entire process from design, manufacturing and assembly through to sales, purchasing and accounts. The Pressure Tech name is now recognised globally for manufacturing high-quality pressure regulators, and we are supported by a worldwide network of Authorised Resellers.

**Steve Yorke-Robinson**  
*Managing Director of Pressure Tech*



We passionately believe our products and all-round service represent a market-leading offering, and here's why:



## EXPANDING OUR EXPERIENCE

Our team of over 40 people includes a combination of long-term employees offering extensive product experience and understanding of the applications they have been used on, with the more recent addition of employees who have added specialist knowledge in areas such as strategic business management. It is this blend that continues to add strength and value to our core business of designing and manufacturing high-quality pressure regulators.



## PARTNERING WITH CUSTOMERS

Whether it's offering general advice or help finding a specific solution to an application, our close-working internal infrastructure allows us to respond to questions promptly and effectively to allow our customers to make quick decisions with confidence. Not every system is the same and sometimes 'off-the-shelf' products may not be suitable for some applications. Our sales and design teams work closely with customers to ensure products are designed to meet their exact needs.



## GLOBAL REACH

Our products are used worldwide with 70% being exported for use on critical high-pressure control systems such as wellhead control panels, gas analyser systems, hyperbaric diving systems and the latest hydrogen technology. We continually listen to customer feedback to ensure product realisation is achieved. Our products are supplied to an ever-increasing customer base ranging from family businesses like our own to blue chip multinationals, meaning we offer a personal touch combined with the capacity to fulfil larger projects.

# In-House Capabilities

## QUALITY

As a company we have always understood the critical importance of maintaining quality throughout our business. We constantly aspire to provide products and services that not only meet, but exceed the requirements of our customers.

It is our long-term commitment to quality that has created a 'quality culture' here at Pressure Tech. When decisions are made, be it to the design of a product, the sourcing of raw materials, or the processes under which we operate, quality and the requirements of our customers are of primary consideration.



## DESIGN



We take great pride in being able to design bespoke solutions to fulfil customer requirements. This in-house service is one of the many reasons why existing customers come back to us time and again, and why, off the back of recommendations, new customers approach Pressure Tech when an off-the-shelf product just won't suffice.

## MANUFACTURING



Our in-house machine shop is operated by an experienced team of machinists and is overseen by our Operations Manager. Regular investments in machinery ensure we have the capacity to maintain stock of 'standard' components for competitive lead times, and to provide the production flexibility to quickly respond to urgent customer requirements.

## ASSEMBLY

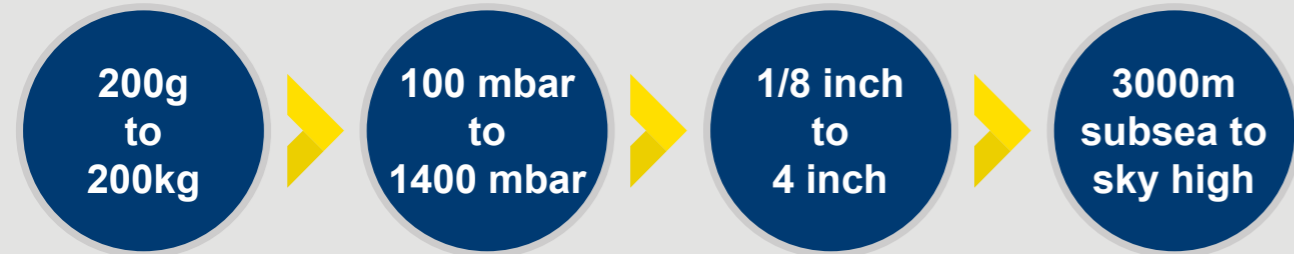


Our in-house team of skilled assembly and testing engineers work closely with our design and manufacturing departments, whilst workload is strategically managed and scheduled by our Planning Manager using the latest shop-floor loading software. This strategic approach ensures customer orders are fulfilled on-time.



# Products

Forward reducing pressure regulators reduce high inlet pressures down to lower outlet pressures. Conversely, back pressure regulators are designed to control inlet pressures. From deep in the depths of the oceans to sky-high in aircrafts, our back pressure and forward reducing pressure regulators cover pressure control from 0.1bar to 1,380bar (20,000psi) and port sizes from 1/8" to 4".



Our wide range of pressure regulator designs are the result of many years' experience in resolving application problems which our customers have struggled to resolve with any of our competitors. We provide 'off-the-shelf' regulator designs in addition to 'tailored fit' solutions to ensure our customers receive the exact solution for both the technical and commercial requirements of their systems.

## PRODUCT RANGE

Analyser & Instrumentation	High Pressure	Medium Flow	High Flow
Hydrogen	Diving	Subsea	Back Pressure

# Certifications

**ISO 9001**  
ISO 9001 is the international standard that specifies requirements for a quality management system (QMS). It is at the very heart of our business and underpins our long-term commitment to quality that has created a 'quality culture' here at Pressure Tech.

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**IECEX**  
The IECEX Quality Assessment Report (QAR) presents the results of an on-site assessment of a manufacturer's quality management system by an ExCB, to the requirements of the IECEX Certified Equipment Scheme  
**Products Covered:** Heated regulators

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**ATEX**  
The ATEX Directive 2014/34/EU covers equipment and protective systems intended for use in potentially explosive atmospheres.  
**Products Covered:** XHM300, XHS310, XHS311, XHR310, XHR311

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**EC79/2009**  
EC-type approval certificate for commercial use on hydrogen fuel cell vehicles.  
**Products Covered:** AUTO438

**TPED 2010/35/EU**  
For the transportation of pressure equipment including gas cylinders and their valves.  
**Products Covered:** CV414-SC\*

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**CRN**  
A number issued by Canadian provinces for boilers/pressure vessels/fittings operating at >1 barg.  
**Products Covered:** Ask for details

**API 17F**  
Applicable to the design, fabrication, testing, installation and operation of subsea production control systems.  
**Products Covered:** SS690












\* TPED applies up to 350 bar



# Applications

## OIL & GAS, SUBSEA & DIVING












Having supplied our pressure regulators into OEM system builders for a wide range of applications including wellhead control panels, IWOCS, and HPUs for many years, we work closely with our customers to understand their exact technical and commercial needs.

<b>Riserless Well Intervention Systems</b> 	<b>Balance of Plant Control Systems</b> 	<b>Subsea Hydrogen Fuel Cell</b> 	<b>IWOCS HPU</b> 
<b>Gas Analyser</b> 	<b>Commercial Diving &amp; Hyperbaric Chambers</b> 	<b>Production HPU</b> 	<b>MPD Systems</b> 
<b>Chemical Injection Systems</b> 	<b>Pressure Test Rigs</b> 	<b>Subsea Systems</b> 	<b>PLUS MANY MORE</b>

## HYDROGEN

Our first step into the hydrogen market was back in 2017 with the development of our LW351 pressure regulator.

We utilised our extensive product development experience to create a regulator for the UAV hydrogen drone market that was lightweight, compact, and capable of accurately and carefully controlling the high pressure of the hydrogen storage cylinder into an outlet pressure suitable for the drone's hydrogen fuel cell. Since then we have extended our range to cater for a growing number of applications throughout the full hydrogen value-chain including hydrogen production through electrolysis, hydrogen storage & distribution, refuelling stations, hydrogen buses & trucks, and passenger vehicles, to name a few.

<b>Refuelling</b> 	<b>Electrolysers</b> 	<b>Gas Cylinders</b> 	<b>Storage &amp; Distribution</b> 
<b>Buses &amp; Trucks</b> 	<b>Passenger Vehicles</b> 	<b>Construction &amp; Material Handling</b> 	<b>On-Site Energy Generation</b> 
<b>Lightweight Mobility &amp; Bicycles</b> 	<b>Aviation &amp; Drones</b> 	<b>Maritime</b> 	<b>PLUS MANY MORE</b>



# Projects

Examples of key projects supplied in recent years include:

Project	Value (USD \$)	Products Supplied
Petrobras P68 - P72	\$500,000	LF690 Hydraulic Regulators
Gorgon	\$300,000	SS414 / SS690 Subsea Regulators
ADCO (2 yr call off)	\$250,000	HYD691 / LF690 Hydraulic Regulators
Petrobras DPR5k	\$150,000	LF690 Hydraulic Regulators
US Military	\$150,000	SS414 / SS231 Subsea Regulators
LIZA Phase 1 CIS	\$100,000	BP-LF690 Back Pressure Regulators
Shell Bonga	\$75,000	BP-MF690H Hydraulic Regulators
Aramco, Fadhili CIS	\$50,000	BP-LF690 Back Pressure Regulators
Shell Appomattox	\$50,000	LF690 Hydraulic Regulators

# Customers & End Users

Our customer base covers from America to Australia, and everywhere in between. Customers we've supplied include:



# Testimonials

“ 98% Audit rating is the highest score of any company I have visited; we look forward to working with you ”

*Moisture Analyser Manufacturer – UK*

“ Every pressure regulator passed the FAT without incident, which is unheard of when using your competitors’ products ”

*Hydraulic System Builder – Norway*

Project	Average Deviation	Max Deviation
Initial	0.80%	2.30%
After Subsea Valve & ESD Simulation	1.10%	1.80%
After High Flow & High Differential Test	0.28%	0.59%
Final - After Starting From Closed Test	1.10%	1.50%

“ Based on the results presented above, the Pressure Tech regulator is now considered qualified for use on our panels ”

*Hydraulic System Builder – Houston*

“ Based on the function tests witnessed by our FMC representative, it is our pleasure to inform you that your high pressure LF690 regulator is approved for use on FMC HPU systems ”

*Product Responsible Engineer – Kongsberg*

# Authorised Resellers

In addition to our internal and external sales team, we have also appointed authorised resellers in 32 countries, spanning the width and breadth of the globe. We have a close working relationship with our reseller partners, who provide a first-class regional service to our customers.



<b>Austria</b>  Parcom Ventile & Fittings GmbH	<b>Australia</b>  Haldatec Pty Ltd	<b>Australia</b>  CAC Gas & Instrumentation	<b>Belgium</b>  BIP Elneo & Elneo - Technofluid
<b>Brazil</b>  Flutrol	<b>China</b>  MLT (Beijing) Instrumentation Tech	<b>Colombia</b>  Tech Pro Service SAS	<b>Czech Republic</b>  Ventile & Fittings Praha
<b>Denmark</b>  PG Flowteknik Scandinavia ApS	<b>Egypt</b>  RTI / Wadico Engineering Services	<b>France</b>  Denouette Distribution	<b>Germany</b>  HPS Solutions

<b>Greece</b>  2M	<b>Hungary</b>  Scabex Kft	<b>India</b>  Kurin Tech Pvt Ltd	<b>Indonesia</b>  Instrumindo Prima Sentosa
<b>Italy</b>  RTI SpA	<b>Kuwait</b>  Monilek Oilfield Services	<b>Malaysia</b>  ENE Petro Services	<b>Mexico</b>  Controladores Industriales
<b>Netherlands</b>  De Groot Instruments	<b>New Zealand</b>  QMI Integrated Solutions	<b>Norway</b>  HydraServ AS	<b>Oman</b>  Monilek Oilfield Services
<b>Portugal</b>  Arcamo Portugal	<b>Republic of Korea</b>  ENPOS (Korea Hydraulic Co.)	<b>Republic of Korea</b>  Sea and Land Technologies PTE Ltd	<b>South Africa</b>  Fluidline Products
<b>Spain</b>  Arcamo, S.A.	<b>Sweden</b>  Curt Nyberg AB	<b>Thailand</b>  Syntex Energy Co. Ltd	<b>Turkey</b>  Hatti Teknik Ltd
<b>UAE</b>  Monilek Oilfield Services	<b>USA</b>  American Tube Products	<b>USA</b>  Hatfield & Company	<b>USA</b>  Silpac

# Contacts

Should you need to get in touch with Pressure Tech, these are your main contacts:

MD	ACCOUNTS	QUALITY	SALES
 <p data-bbox="97 875 437 987">Steve Yorke-Robinson steve@pressure-tech.com</p>	 <p data-bbox="458 875 798 987">Chris Yorke-Robinson chris@pressure-tech.com</p>	 <p data-bbox="818 875 1158 987">Liz Rowarth liz.rowarth@pressure-tech.com</p>	 <p data-bbox="1179 875 1519 987">Mark Burrell mark.burrell@pressure-tech.com</p>
UK/EUROPE SALES	SE ASIA/CHINA SALES	HYDROGEN SALES	COORDINATOR
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