PRESSURE TECH

NEWSLETTER

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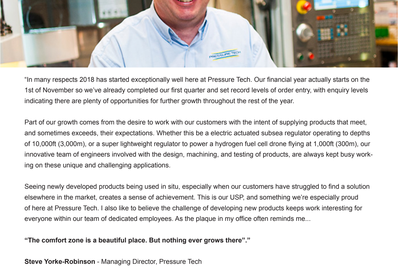
A WORD FROM THE BOSS



"In many respects 2018 has started exceptionally well here at Pressure Tech. Our financial year actually starts on the 1st of November so we've already completed our first quarter and set record levels of order entry, with enquiry levels indicating there are plenty of opportunities for further growth throughout the rest of the year.

Part of our growth comes from the desire to work with our customers with the intent of supplying products that meet, and sometimes exceeds, their expectations. Whether this be a electric actuated subsea regulator operating to depths of 10,000ft (3,000m), or a super lightweight regulator to power a hydrogen fuel cell drone flying at 1,000ft (300m), our innovative team of engineers involved with the design, machining, and testing of products, are always kept busy working on these unique and challenging applications.

Seeing newly developed products being used in situ, especially when our customers have struggled to find a solution elsewhere in the market, creates a sense of achievement. This is our USP, and something we're especially proud of here at Pressure Tech. I also like to believe the challenge of developing new products keeps work interesting for everyone within our team of dedicated employees. As the plaque in my office often reminds me...

"The comfort zone is a beautiful place. But nothing ever grows there"."

Steve Yorke-Robinson - Managing Director, Pressure Tech

DESIGN IN FOCUS

Each issue we take a closer look at one of our products or design features. In this issue, we're focusing on our newly designed **electric-actuated subsea regulator** to understand what it is and why it was developed.

Electric-Actuated Subsea Regulator

Late last year we were approached by one of our customers who was struggling to find an assembly solution to their deep sea application. They required full remote control of their subsea pressure regulator. Given the conditions at deep sea levels, it was essential that our solution was strong and capable of withstanding the corrosiveness of salt water and the high external pressures on the sea bed.

Our design team immediately got to work. The first task was to source an electric actuator that could remotely control our SS-690 subsea regulator at sea depths of up to 3,000m. Once sourced, we needed to adapt the regulator's adjusting mechanism to smoothly function with the actuator and transfer its rotary motion. The design concept required a bracket which would not only provide the housing for the coupling but also support the actuator and maintain the complete assembly in alignment.

The existing top works of the regulator was redesigned, enabling the remote control element of the customer's application – the regulator and actuator worked in perfect harmony. The final step of the challenge was to design the support bracket to keep the full assembly in alignment and provide the crucial link between the actuator and the regulator. This was achieved by careful and detailed analysis of the full assembly and precise in-house machining of the designed components.

At this point we had met the customer's brief, but we also wanted to prepare the assembly for the long-term; our products are built to a high specification which means they are built to last. Our design team wanted to ensure the assembly was also geared up for future servicing works. The new bracket enabled the independent removal of either the actuator or the regulator without disturbing the full assembly.

Job done!

INNOVATION, INNOVATION

EARLY PREVIEW: Introducing Our New Medium Pressure Needle Valves

Set to be officially announced over the next couple of months, we wanted to give you an early look at our new medium pressure needle valves! Following an extensive testing and product development phase, our compact and lightweight design features a range of safety critical and high performance features including:

- Removable Seat Design
- Top-Entry Access
- Bi-Directional Flow
- Air Actuated Option
- Non-Rotating, Anti-Galling Tip
- Anti-Blowout Spindle
- 316Ss Handle

If you have any questions then please do not hesitate to get in touch. In the meantime, look out for further announcements about release dates over the coming weeks!

GOING THROUGH THE WORKSHOP

It has been another busy quarter for our manufacturing and assembly teams with some diverse and interesting orders going through our workshop.

With our expanding product portfolio incorporating a range of Hydrogen Fuel Cell regulators, the latest one to pass through the Pressure Tech workshop was an MF-230 medium-flow regulator. Ordered by a customer in the USA via our authorised reseller, American Tube Products, it featured SAE threads for use in the automotive industry.

NEWS

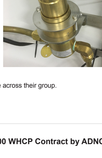
A Busy Year of Exhibitions Lies Ahead!

We have a busy 2018 planned with the following exhibitions already booked into the Pressure Tech diary:

- 23th - 27th April 2018: H2FC in Hannover, Germany
- 30th April - 3rd May 2018: OTC in Houston, USA
- 6th - 9th May 2018: Iran Oil Show in Tehran, Iran
- 12th - 15th November 2018: Adipec in Abu Dhabi, UAE

As always, if you have plans to attend any of these exhibitions then please get in touch - we would love to see you there.

Pressure Tech MF-300T BIBs Regulator Takes Pole Position



After a successful week on the Pressure Tech stand at Adipec during November, our Managing Director, Steve Yorke-Robinson, continued his travels on to China and Singapore to visit some of our customers across the region.

One such visit in Singapore provided Steve with the opportunity to take a tour of a customer's facilities to see our MF-300T BIBs regulator in action. When panel mounted, its design ensures all pipework is located behind the panel. In addition, its balanced main valve offers precise control and its maximised piston sensing area further enhances pressure control. Our customer was so pleased with our MF-300T that they have recommended its use across their group.

It's great to hear such positive feedback!

Pressure Tech Awarded €225,000 WHCP Contract by ADNOC Offshore

We were delighted to be awarded the final phase of the WHCP contract by ADNOC Offshore, with the initial call-off already completed last month and completion of the contract due by September 2018. The contract includes a range of our HYD-691, LGC-690 and LF-690 regulators for installation across 150 panels.

Product Update: 300/301 Series

With an ongoing focus on improving efficiencies, we have already put into place several new processes to enhance our lead times, such as maintaining larger stock levels of common parts. The next step was to review our product portfolio to remove any duplication in application coverage whilst still retaining our breadth of coverage.

This commitment to lean manufacturing means that moving forwards we will be removing our 300 and 301 series regulators and offering their 310 and 311 equivalents, as follows:

- LF300 / 301 - now LF310 / 311
- TS300 / 301 - now TS310 / 311
- XHR300 / 301 - now XHR310 / 311
- XHS300 / 301 - now XHS310 / 311

All other 300 or 301 series regulators are unaffected at present, and customers will see no increase in cost because of this update but it is another great step in enhancing our efficiencies and all-round customer experience. We commit to holding spares kits of these now obsolete model numbers to cover all in-service 300 / 301 series regulators for the foreseeable future.

If you have any questions, please give us a call.

NEED TECHNICAL HELP?

ask an EXPERT

We pride ourselves in being experts in our field and are always available at the end of the phone if you have any technical queries regarding your application. Just call our office on +44 (0)1457 899 307 or send an email to sales@pressure-tech.com.

We pride ourselves on our innovative and bespoke approach to solving customer problems.

For further information about please visit www.pressure-tech.com or call us on +44 (0)1457 899 307.

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