

## ISSUE: DECEMBER 2017

- \* Steve Yorke-Robinson Shares Insight Into Setting Up Pressure Tech 17 Years Ago
- \* Request a FREE Pressure Tech 2018 Wall Planner
- \* Why Did a Bees Nest Lead to the Development of our Protective Sleeve?
  - \* Going through the Workshop... Flanged Pressure Regulators
- \* Success at Adipec 2017 with our Authorised Reseller, Belfast Controls
  - \* Meet the Newest Members of the Pressure Tech Team
  - \* Seasonal Opening Hours

## A WORD FROM THE BOSS



"Pressure Tech was incorporated 17 years ago to the month and has seen many changes over this time. Despite everything, including the unforeseen and significant drop in oil prices in 2015, we have continued to grow with increasing recognition and acceptance in the markets we cover.

Our recent attendance at Adipec in Abu Dhabi, put us in contact with several end users of our products. These end customers, sometimes unknown to us, visited our booth and confirmed they have our products installed on panels manufactured by the system builders we supply directly. It's very rewarding to receive such positive feedback and humbling to know the concept of Pressure Tech, started 17 years ago from a small house in Glossop, is now recognised as a global player in the pressure regulator business.

Our challenge now is to 'gear up' the company to ensure continued growth and success without losing our unique personal touch with our customers."

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

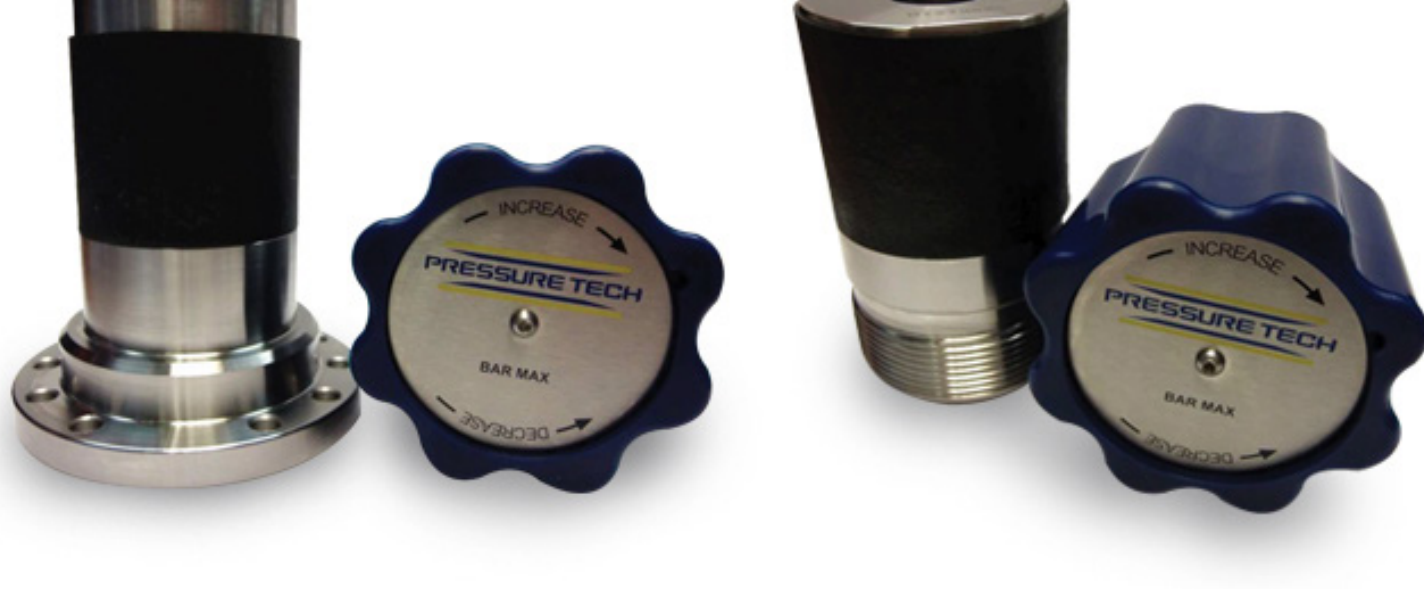
## FREE 2018 WALL PLANNER



We have a limited number of FREE Pressure Tech 2018 wall planners available for our customers.

To request your copy, send an email with your name and address to [marketing@pressure-tech.com](mailto:marketing@pressure-tech.com) and we'll get one in the post!

## 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 PT-C-180 Protective Sleeve to explain why corrosion of the regulator's internal mechanism and nesting bees led to its development, and what processes we went through to select the right material for the job.

### PT-C-180 Protective Sleeve

By design, a regulator's bonnet features a 'key slot' opening which is necessary for the correct operation of its adjusting mechanism. Consequently, this opening leaves the internal components exposed to external conditions - in certain environments this can be particularly problematic. In offshore and other locations close to the sea, the salt content in the air is high which can potentially result in a crystal build-up on the adjusting screw and accelerate corrosion of the loading spring. In one instance we were also told of bees building a nest inside the regulator!

This meant that we needed to design something that could not only close the slot, but was simple in application, reusable, long-lasting and, ideally, environmentally-friendly.

Our senior design engineer, Karol Wolniewicz, is a keen scuba diver and used his experience to explore the option of utilising a rubber sleeve to create a 'dry seal' between the bonnet and band. Initially we experimented with trialling heat shrink tubes and sections of dry suit cuffs to test which gave better results. The heat shrink didn't perform sufficiently and also wasn't reusable. The dry suit cuffs, however, seemed perfect for the application.

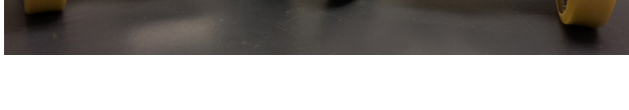
We successfully located a manufacturer who was able to supply them to our specification, allowing us to offer our PT-C-180 Protective Sleeve to customers across the world and prevent those issues that were first identified in some of the more challenging environments from happening.

Our Protective Sleeve meets all of the criteria we initially set out to achieve; it offers excellent ozone, UV and chemical resistance in a range of temperatures from as low as -50°C right up to +110°C, and is 100% recyclable.

*Job done!*

## 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.



We have just finished assembling this pair of HF-300G high-flow regulators for a new customer in the Far East. With Class 1500 ANSI flanges, this pair of regulators weigh around 70kg in total!

Interestingly, in recent months we have seen a rise in the number of enquiries requesting flanged connections.

## NEWS

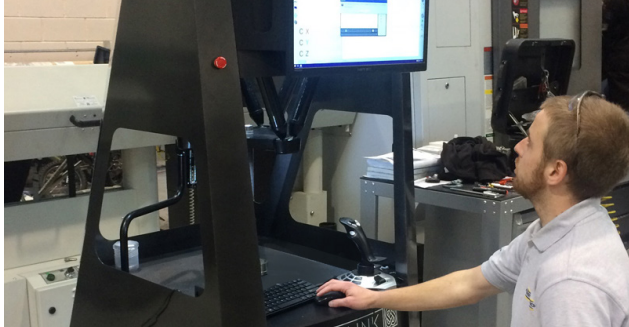


### Success at Adipec 2017 with our Authorised Reseller, Belfast Controls

Adipec 2017 came to a close on the 16th November and we've since had chance to reflect on what has been the best exhibition we've attended in a long time.

With week-long support from our UAE Authorised Reseller, Belfast Controls, we've had the opportunity to talk to plenty of our existing customers, put faces to names that we hadn't previously had the opportunity to meet and make new business acquaintances that we look forward to developing over the coming weeks and months.

On our stand we ran a competition to win a Manchester City football shirt, which was drawn on the last day of the exhibition by Helen Aittis from the EIC... our official independent adjudicator! The winner was Glenn Makechnie from Saudi Aramco. Congratulations Glenn!



### In-House Measuring Equipment Upgraded with £50,000 Investment

A recent £50k investment in state-of-the-art inspection and measuring equipment will remove potential 'human error' discrepancies made when using calibrated tools such as plug gauges and Vernier's to take measurements. An automated CMM machine from Aberlink will check larger components for machine tolerance against drawings and also allows inspection of concentricity of all critical components used in the pressure regulators - previously not possible using bore mics or plug gauges.



An additional, state-of-the-art 'Keyence Optical Measuring Platform' allows measurements of multiple smaller components, and highlights any parts on the measuring platform that are out of tolerance. Both machines take out the variance factor from human inspection and will lead to much greater control on the quality of all machined components - critical to the control and performance of our pressure regulators.

### BHR Valve Testing Seminar

Always looking to extend our portfolio of services, Pressure Tech's Senior Design Engineer, Karol Wolniewicz, spent a day last month visiting the BHR Group's facilities in Bedfordshire, for its 'Valve Testing' seminar.

Hosted in conjunction with the BVAA, the day provided Karol with the opportunity to tour their facilities and understand what testing and analysis services they offer. Look out for more information on this in the coming months!



## TEAM NEWS



### Meet the Newest Members of the Pressure Tech Team

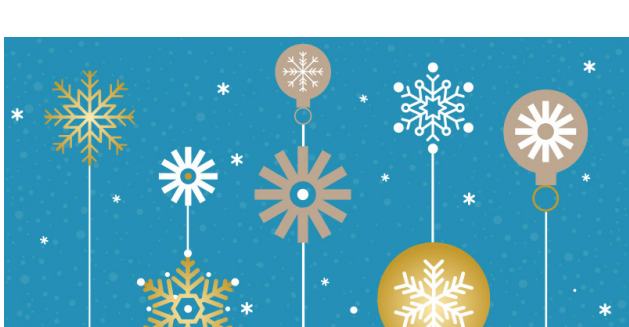
Since the last Pressure Tech newsletter we've welcomed 3 new members of staff to the team.

Neville Barrett joins us in the capacity of Production Manager following 35 years' experience of Production Management in High Precision Engineering. Neville has already introduced several new initiatives to not only streamline our manufacturing and assembly processes, but also to improve our operational efficiencies. Neville commented, "My aim is to bring a fresh impetus to the on-time delivery needs of our customers utilising an improved Production Management System, coupled with some internal improvements to reduce our lead times on standard parts".

Neville is joined by Gilbert Marangwanda, our new Design and Development Engineer. Gilbert's first project has seen him working on a new range of medium pressure needle valves, an exciting new development for Pressure Tech that we hope to officially announce in our next newsletter.

Finally, our Accounts team has been boosted by the arrival of Clare Ridgway, who joins us as Accounts Assistant. Clare's attention to detail and 'can-do' attitude has already been utilised, not only in our Accounts department, but across the business as part of our continued customer service drive.

## SEASONAL OPENING HOURS



Finally, we would like to make you aware of our seasonal opening hours:

**CLOSE:** Friday 22nd December 2017 at 12pm  
**RE-OPEN:** Tuesday 2nd January 2018 at 8:30am

May we take this opportunity to thank you for your business in 2017 and wish you a prosperous 2018!

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

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