

New Customer Support Manager Joins The NOSHOK Team

We are pleased to announce the addition of a new key team member, Kristen Ryan, who has taken on the role of Customer Support Manager effective immediately.

Over the last four months, Kristen has undergone intensive product training in our facility to provide her with a strong knowledge base of our products and applications, and prepare her for this important role.

Kristen has a Bachelor of Science from Baldwin-Wallace College and brings 20 years of professional customer support experience in manufacturing and technology industries to NOSHOK. Her background includes positions in Customer Support, Sales, and Project Management with companies including Parker Hannifin Corporation, Hydraulic Valve Division.



Kristen E. Ryan
Customer Support Manager
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This experience along with her strong commitment to customer relationship building will make Kristen a great asset to NOSHOK.

Please join us in welcoming Kristen to the NOSHOK team!

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ELECTRONIC NOTIFICATIONS

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Meter Manifolds

NOSHOK **2180 Series Meter Manifolds** are designed for use on flow recorders in metering systems. They can be configured in 2-valve, 3-valve and 5-valve designs, depending on the application requirements. Their soft seat design provides a 6,000 psi pressure rating 200 °F.

These manifolds feature a replaceable Delrin® seat and straight through porting for bidirectional, high capacity flow and easy roddable cleaning. A blow-out proof stem provides a secondary stem seal in the full open position. An FKM o-ring seal and PTFE back-up ring below the stem threads protect from corrosion and galling. PTFE packing is optional. They are backed by a 3-year warranty



[More info](#)
[RFQ](#)

Digital Temperature Indicators

NOSHOK **820/821 Series temperature indicators** are an ideal replacement for bimetal, liquid bulb and glass thermometers in applications including pharmaceutical, food preparation, utility and municipal, refinery, paper mill and hydraulic, and chemical and petrochemical plants.

These NOSHOK Indicators utilize a PT100 Ω RTD Class A element for temperature sensing, and are available with a M12 x 1 (5-pin) plug or 36" integral cable electrical connection. Features include all 316 stainless steel construction, a large 4-digit LED display, 4 mA to 20 mA programmable linearized output signal, IP 65 / NEMA 4 rated environmental protection, and a self-calibration feature for accurate and stable performance. Installation is easy, and allows a variety of mounting configurations. Backed by a 3-year warranty.



[More info](#)
[RFQ](#)

Multiport Valves & Accessories

NOSHOK's 200 & 300 Series hard and soft seat multiport valve design reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths. These valves feature an FKM o-ring seal and PTFE back-up ring below the stem threads to protect from corrosion and galling. PTFE or Grafoil® packing is optional.

NOSHOK **200 Series Hard Seat Multiport Valves** have a 10,000 psi pressure rating @ 200 °F. **NOSHOK 300 Series Soft Seat Multiport Valves** have a 6,000 psi pressure rating @ 200 °F, and come with a replaceable Delrin® seat and straight through porting for bidirectional, high capacity flow and easy roddable cleaning.

NOSHOK 200 & 300 Series Multiport Valves feature a one-piece bonnet with a metal-to-metal seal to the valve body below the bonnet threads, and their blow-out proof stem provides a secondary stem seal in the full open position. All stems are 316 stainless steel, and stem threads are rolled for strength and ease of operation. All NOSHOK valves are 100% helium leak tested to 1 x 10⁻⁴ ml/s for guaranteed performance and reliability.

Options include **Plugs**, **Bleed Plugs** that further allow pressure to be bled off without disturbing the permanent piping installation, and **Bleed Valves** that provide a convenient means to relieve process pressures trapped between a shut off valve and the instrument.



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NOSHOK INSTRUMENTATION SOLUTIONS FOR HYDRAULIC POWER UNITS

If you have a Power Unit application, your NOSHOK Regional Sales Manager or the NOSHOK Customer Support Team is ready to provide a custom Measurement Solution in the design stage, which can **reduce your manufacturing cost and improve the unit's performance.**

Hydraulic Power Units are essentially the heart of a hydraulic system. Consisting of a motor, a reservoir and a hydraulic pump, these units can generate a huge amount of power to drive almost any kind of hydraulic force. These units are used in a wide range of applications that require heavy and continuous lifting or other requirements for the repeated use of powerful and directional force, including Machine Tools, Automation, Mobile Equipment, Oil & Gas, Marine and much more.

Hydraulic Power Units require a variety of pressure and temperature measurement instrumentation, as well as valves to keep them running smoothly and efficiently. NOSHOK offers a variety of Measurement Solutions that are ideal for this application.

The pressure a power unit can deliver at the outlet is known as the operating pressure. The power unit may be indicated as a single pressure rating, or it can be rated to operate over a range of pressure. This pressure can be measured mechanically using **pressure gauges** both at the pipe and at a panel, or for more automated units it can be measured electronically using pressure **transmitters and transducers**.

The cooling method can be none, or via heat exchanger or fan-driven oil cooler. Therefore, temperature must also be measured and regulated. This can be achieved by using **bimetal thermometers** and/or **vapor actuated thermometers**, or temperature transmitters such as the cost-effective **810 Series Compact OEM Temperature Transmitter**, **800 Series Platinum Resistance Temperature Transmitter**, and the **850 Series Electronic Indicating Temperature Transmitter/Switch**.

All hydraulic power units incorporate some type of integrated pump. Some units come equipped with multi-stage pumps, which operate like multiple pumps connected in series. Hydraulic power unit pump types include single stage, double stage, three or more pump stages, and multiple pump units. **Pressure switches** are often employed for functions including pump turn on and shut off.

Valves can be used to control direction, pressure and amount of fluid flow through the power unit, including **block and bleed valves**, **multi-port valves** and **mini needle valves**.

Don't hesitate to contact us today 440.243.0888 or info@noshok.com!



New Dial Printer For Custom Artwork

In response to the increasing demand for custom dial artwork, NOSHOK has purchased a new Mimaki UJF-3042 UV LED Flatbed Printer.

This new printer provides us with more capability and flexibility for below minimum custom dial production runs, while reducing cost and delivery times.



The Importance of Maintaining Oil Temperature in Hydraulic Systems

“Monitoring oil temperature with gauges like the 820/821 Series digital temperature gauges from NOSHOK is necessary to maintain fluid ranges between 110 and 130 °F.”

Read more in this article from the folks at Fluid Power World about why maintaining a normal oil temperature in all hydraulic systems is important for successful system operation.

[Link to Article](#)



ISO 9001:2015 Update: Taking the Risk Out of Risk

While transitioning our Quality Management System (QMS) from ISO 9001:2008 to ISO 9001:2015, it became apparent that ISO 9001:2015 places a strong emphasis on risk mitigation and opportunity enhancement through risk based thinking. While risk was implied in previous versions of the standard, it is explicitly referenced in the new version. In fact the word, “risk” is included 18 times in ISO 9001:2015. Risk is defined as the effect of uncertainty. While a negative connotation to risk is generally assigned, risks can also be beneficial.

Risk based thinking is something that successful businesses do on a subconscious level. The consideration of risk has been purposefully integrated into many areas of our QMS here at NOSHOK. Recognizing risks and opportunities related to NOSHOK’s context and objectives, identifying risks and opportunities as a component of management review meetings, determining risks associated with changes and improvements and assessing risks associated with corrections and corrective actions are examples of how we define risks and opportunities in a more tangible manner.

This is just one of the ways in which NOSHOK utilizes the requirements of ISO 9001:2015 in a strategic manner to improve our overall performance and leverage our position amongst industry peers. It is through this initiative that NOSHOK truly is able to take the risk out of risk.

**ISO 9001:2015
REGISTERED**



Tech Tip

Q: What are the differences in stem tip options for instrument valves?

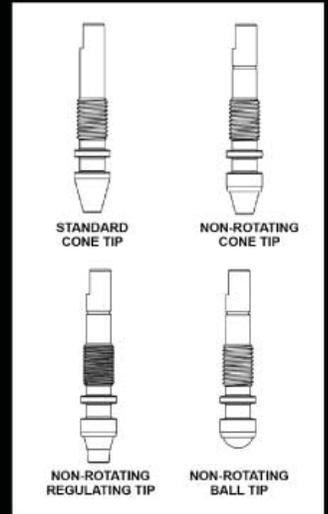
A: A **one piece valve stem** rotates and translates along its axis as it is being driven axially into the orifice. The rotational motion of the stem produces an undesirable amount of friction and galling against the sealing surface if not properly lubricated.

A **non-rotating stem tip** rotates independently from the stem and stops rotating as it is driven axially against the orifice sealing surface while the stem continues its rotational and axial movement.

A **ball tip** is a type of non-rotating tip that is used when metering and flow control is not required and a quick opening and closing of the orifice is needed. Ball tips require a few turns to fully open and close the orifice. The spherical surface of ball tips have the advantage of easily sealing an orifice that may be slightly misaligned because multiple tangential contacts are available on its surface. Material selection is primarily based on wear life.

Regulating hard tip stems have increased metering capabilities. The stem incorporates a fine pitched thread that requires additional turns to open and a specially design stem tip taper that allows for a slow and gradual opening of the orifice. This feature is often used on high pressure gases that may freeze upon expansion if the pressure drops too quickly.

[See more NOSHOK Tech Tips](#)



Customer Connection

Win An RC Quadcopter Drone!

Take just a few minutes to fill out our BRIEF newly updated Customer Survey, and you will be automatically entered to **win an RC Quadcopter, Potensic Premium Quadcopter with 2 Megapixels Camera, 5.8 FH FPV LCD Monitor, and carrying case!**



This short survey asks a few questions to help us assess our overall performance and make improvements to the quality of products and services we provide. Your feedback will enable us to continually improve our level of Customer Satisfaction and bring you the highest level of value possible.

A winner will be randomly selected from the list of people who have taken the survey between October 17 and November 11th. The drawing will be held on November 14th, and the winner will be notified by email and/or telephone. Your opinion matters – thank you for taking the time to help us help you!

[Take the Survey now!](#)



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For more information on NOSHOK products, please visit our website at www.noshok.com

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