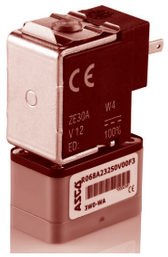
NEW • WHAT'S NEW • WHAT'S NEW • WHAT'S NEW • WHAT'S NEW • WHAT'S NEW

ASCO 068 Series Flapper Isolation Valve

ASCO Numatics has introduced its 16mm ASCO 068 Series flapper isolation solenoid valve, the first in its class with technology that offers greater throughput, smaller sample sizes, and reduced calibration requirements for clinical and analytical instruments. The valve is designed for use with neutral and aggressive liquids and gases. Its flapper technology allows high pressures to be achieved (up to 116 psi) at large orifice sizes while preventing the fluid contamination that can result from spikes in back pressure inherent in analytical devices. The highly reliable valve has been tested to well over 10 million cycles for extended product life. The ASCO 068 Series valve is ideal for OEMs serving the clinical diagnostic, life science, sterilization, and dental markets.



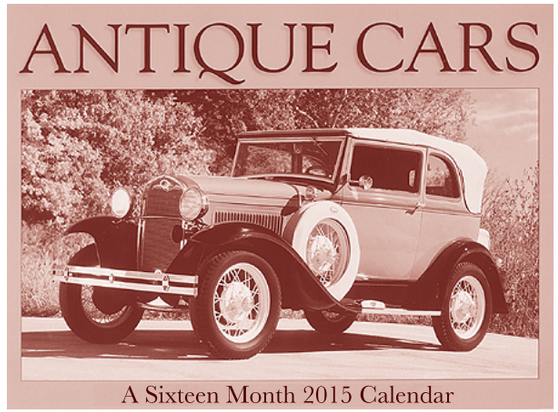
Download more information from okcautomation.com/pdfs/ASCO-068series.pdf

Seametrics NSF-Certified Mechanical Flow Meter

Seametrics has released a NSF-Certified mechanical meter to comply with federal lead free regulation which came into effect at the beginning of 2014. The MJN-Series is the economical solution for potable water, cooling tower chemical control, industrial water treatment, and deduct metering. These mechanical flow meters use the multi-jet principle, which has been an internationally-accepted standard for many years. This type of meter is known for its wide range, simplicity, and accuracy in low-quality water.

Download more information from okcautomation.com/pdfs/Seametrics-MJN.pdf

IT'S THAT TIME AGAIN... GET YOUR *FREE* 2015 APPOINTMENT CALENDAR!



Our 2015 Calendars Are Ready!

O'Keefe Controls offers two calendars for the upcoming year. Both appointment calendars feature handy date blocks for note-taking and 12 wonderful color photos. Please choose the one that matches your interests best – Antique Cars or Trains – and enjoy a year's worth of fascinating photos.

To request your FREE calendar, visit okcautomation.com and follow the calendar request link to our online request form. Please submit your request no later than November 21st so we can be sure that your receive your gift by year's end.

HAPPY HOLIDAYS FROM O'KEEFE CONTROLS!!!

Rotork Fairchild High Pressure Precision Regulator (HPP)

The Rotork Fairchild HPP incorporates a new patented valve and valve seat to prevent leakage, which commonly occurs with high supply pressures. Designed for applications that have high supply pressures and require a much lower output pressure, the HPP pressure regulator is constructed of rugged 316L Stainless Steel for corrosion resistance and durability. Available in a 2 or 4 port configuration, the Fairchild HPP pressure regulator will handle a 6000 psi, maximum supply pressure and offers output pressure ranges from 0-1000 psi up to 0-3000 psi. The HPP high pressure regulator also offers a supply valve Cv of 0.06.

Download more information from okcautomation.com/pdfs/Fairchild-HPP-HPD.pdf

Gems Sensors Single Float Fluid Transmitters for High-Accuracy Continuous Shallow Tank Monitoring

The Gems XM/XT Series are cost-effective, single float transmitters, designed for high-accuracy continuous fluid level monitoring in smaller tank environments. Gems XM/XT-300 Series fluid level transmitters are constructed from all-wetted polysulfone plastic parts for direct compatibility with a variety of chemicals. Its counterpart, the Gems XM/XT 700 Series, combines the extended durability of stainless steel, or brass, within a lightweight package. Both models serve as effective drop-in replacements using existing tank fittings. They feature 0.14" (3.5 mm) resolution; an indicating length to 14" (35.5 cm); and a stem length to 20" (50.8 cm). XM/XT Series units are also available with a broad choice of mountings and float materials to suit individual requirements.

Download more information from okcautomation.com/pdfs/gems-xmxt.pdf

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O'Keefe Controls Co.

www.okautomation.com

Information on featured products is available in PDF format from our web site, www.okcautomation.com. Catalogs free on request for any of our manufacturers' products. Phone (203) 261-6711

PROCESS CONDITIONS THAT AFFECT PRESSURE GAUGE ACCURACY & PERFORMANCE

From "NOSHOK News" Volume 6, Issue 2

Visit www.noshok.com/pointer.shtml to read more helpful information and tech tips from NOSHOK.

The technology used in today's pressure gauges has been around since the mid-eighteen hundreds, and the pressure gauge is still one of the most common methods of measuring pressure today. The majority of pressure gauges today still incorporate the Bourdon tube, socket, and geared movement; along with a pointer and dial to indicate process pressure. Since the pressure gauge is a purely mechanical device, attention to three process conditions is necessary. The three factors that can adversely affect accuracy and performance are temperature, vibration and pulsation.

Temperature Influence: For every 100 °F shift in temperature from which the gauge is calibrated, the user can experience up to a 2% additional error in reading. The cause is the change in the elasticity or spring rate of the Bourdon tube element with temperature. While it is difficult to circumvent the influence of ambient temperature, we can address the influence of process temperature. In steam service, the common practice is to install coil syphons or pigtail syphons to dissipate process heat. Another common practice is to install a diaphragm seal with capillary to separate the gauge from the high heat source. There are many options available with fill fluid in the seal and capillary system to withstand temperatures up to 600 °F. In severe cold ambient conditions, many users elect to heat trace their instrumentation via electric or steam trace. Process and ambient temperature is an important consideration when selecting and applying pressure gauges.

Vibration Influence: Vibration due to pumps, motors, and other rotating equipment can cause excess wear and possible premature failure of internal working parts of a pressure gauge, which include the Bourdon tube and the movement or gear mechanism. Vibration also causes difficulty in accurate reading of the gauge, due to pointer oscillation. One of the most common causes of pressure gauge failure is exposure to continuous vibration. The most widely accepted remedy is to utilize a liquid filled pressure gauge. The fill fluid of choice is either glycerine or silicone. Liquid filled gauges address not only pointer oscillation, but also serve to protect and lubricate the internal geared movement.

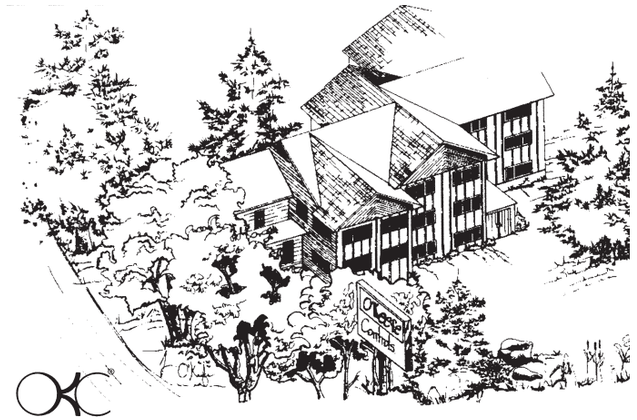
Pulsation Influence: Process pulsation can occur around the discharge of pumps as well as quick operating valves. Many users assume that liquid filling a pressure gauge will fully address pulsation. Although a liquid filled gauge helps to dampen the effects of pulsation, it often does not fully address this process condition. Pulsation dampeners are installed upstream of the gauge socket and they can be a piston-type snubber, a sintered metal snubber, or a threaded in-flow restrictor in the socket of the gauge. A needle valve installed upstream of the gauge that is "pinched down" or slightly opened, is another common practice to address pulsation. It is not recommended to rely solely on a needle valve to address pulsation, due to the fact that the user could inadvertently open the valve, and thereby negate flow restriction. In clean fluids (gases or clean low viscosity liquids) a threaded orifice/flow restrictor or a sintered metal snubber is the least costly way to address pulsation. In dirtier and higher viscosity fluids a piston snubber is usually installed.

Don't delay! Visit www.okcautomation.com by 11-30-14 to request your FREE 16-month appointment calendar for 2015.

O'Keefe Controls Co.
PO Box 232
Monroe, CT 06468-0232

Return Service Requested

WHAT'S NEW AT O'KEEFE CONTROLS CO.



4th Quarter 2014

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