



SANITARY PRESSURE MEASUREMENT SOLUTIONS

NOSHOK Sanitary Pressure Measurement Instrumentation was designed to provide extremely reliable performance and high accuracy under the harsh conditions of sanitary applications, including exposure to aggressive detergents and high temperatures.

NOSHOK Sanitary Gauges and Transmitters are available in a variety of ranges and connection location options, and meet the current standards for 3A and ASME BPE-2009. NOSHOK Sanitary Instrumentation is also **Clean-in-Place (CIP)**, which simplifies manual cleaning and reduces labor and down times, as well as **Sterilization-in-Place (SIP)**.

GAUGES



NOSHOK Sanitary gauges are available with optional liquid filling to lubricate gauge internals and extend service life by dampening the effects of vibration, pulsation and shock. Their Tri-Clamp® housing and diaphragms are constructed from 316L Stainless steel with wetted surfaces electropolished to Ra25 or better.

10 Series Fractional Sanitary Pressure Gauges

FOOD & BEVERAGE DAIRY PHARMACEUTICAL BIOMEDICAL

- Compact size for space restricted applications
- Wide variety of ranges from vacuum to 600 psi
- Process temperatures up to 300°F (150°C)
- Gauge size 2 inch, Clamp size 3/4 inch
- Tri-Clamp® housing and diaphragm are constructed from 316L stainless steel with wetted surface and electropolished to Ra25 or better

10 Series Heavy Duty Sanitary Pressure Gauges

FOOD & BEVERAGE DAIRY PHARMACEUTICAL BIOMEDICAL

- Ranges from 30" Hg to 0 psi through 30" Hg to 600 psi
- 2-1/2 and 4 inch sizes available, with 1-1/2 or 2 inch Tri-Clamp® process connections

20 Series Homogenizer Sanitary Pressure Gauges

FOOD & BEVERAGE DAIRY PHARMACEUTICAL BIOMEDICAL

- Ranges from 1,000 psi to 15,000 psi
- Process temperatures up to 300°F for use in more applications
- 4 inch size with 1-1/8 inch flanged process connection
- Scratch-resistant laminated safety glass provides clear viewing without discoloring

WARRANTY

1 YEAR - DRY
3 YEARS - LIQUID FILLED



NOSHOK, Inc.

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ISO 9001:2008
REGISTERED

**3 YEAR
WARRANTY**

TRANSMITTERS



NOSHOK Sanitary Pressure Transmitters are available with current or voltage output signals available to suit most applications. They have a NEMA 4X, IP65 (IEC529) enclosure rating for corrosive applications, and are CE compliant to suppress RFI, EMI, and ESD.

11 Series High Accuracy, Heavy Duty Tri-Clamp Mounting Sanitary Transmitters

FOOD & BEVERAGE DAIRY PHARMACEUTICAL BIOTECHNOLOGY

- Designed for heavy-duty applications where high accuracy, shock resistance and durability are required
- Standard ranges from vacuum to 400 psi
- Diffused semi-conductor or sputtered thin film sensor for maximum stability
- 1-1/2" or 2" Tri-Clamp® connections with integral cooling extension allows for higher media temperatures
- 316L stainless steel housing welded to Tri-Clamp® process connection for greater strength and integrity
- Tri-Clamp® housing and diaphragm are constructed from 316L stainless steel with wetted surfaces electropolished to Ra25 or better

21 Series Homogenizer Sanitary Transmitters

FOOD & BEVERAGE DAIRY PHARMACEUTICAL BIOTECHNOLOGY

- High accuracy, heavy duty transmitter designed for high pressure homogenizer applications
- Standard ranges from 1,000 psi to 15,000 psi
- Span and zero adjustments
- Sputtered thin film sensor for maximum stability, shock resistance and durability
- 316L stainless steel housing welded to 1-1/8 inch flanged process connection for greater strength and integrity
- 1-1/8 inch flanged housing and diaphragm are constructed from 316L stainless steel with wetted surfaces electropolished to Ra25 or better

DIAPHRAGM SEALS

In sanitary applications, it is common to use a diaphragm seal to protect the instrument from the corrosive substances used in these processes. The NOSHOK Type 12 Tri-Clamp® Diaphragm Seal is specifically designed for sanitary applications.

Type 12 Tri-Clamp® Sanitary Pressure Diaphragm Seal, Welded

FOOD & BEVERAGE PHARMACEUTICAL SANITARY

- Flush mount diaphragm with all welded construction
- Wetted parts and all welded housing are constructed of 316 stainless steel for greater strength and durability
- Minimum working pressure 0 to 30 psi through -30 inHg to 600 psig
- Accommodates process connection pipes from 1-1/2 inch through 3 inch sizes
- Accommodates 2-1/2, 4, 4-1/2 and 6 inch gauge sizes
- Clamped connection for easy installation and removal of seal for maintenance & cleaning
- Wetted materials polished to Ra 32 or better
 - Consider gauge size, pressure range, media composition, ambient and operating temperature, and maximum working pressure when selecting
 - For process temperatures over 212° F a capillary or cooling element is recommended, contact factory to order

Fill fluid must be compatible with process media; i.e. Glycerine may become volatile in conjunction with a strong oxidizing agent such as chlorine, forms of oxygen or peroxide and nitric acids.

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NK10SPMS
REV. None