

Products for
Sanitary Service



Pressure, Temperature and Control Instruments for Sanitary Applications

SANITARY PROCESSES: When you require high productivity and uncompromising hygiene, you need precise pressure control of pumps and dosing machines to help optimize flow rates. From material handling, mixing and pumping to processing and conveying, we have the right solutions for you.

From soda pop to popsicles, from vegetable soup to veggie chips, all food and beverage products have one thing in common - the risk of contamination. Each can, bottle, bag or box that leaves your facility has to be wholesome, safe and meet stringent regulatory standards. Your good name and profitability depend on it. Throughout your complex operations, it's critical that processes run efficiently and hygienic controls and procedures are in place. Whether you're measuring levels in a fermentation tank, discharge pressure from a diaphragm pump or sterilization temperatures, you need accurate and reliable instrumentation.

At Ashcroft®, we're as focused on sanitation as you are. Our experts strive to develop innovative solutions to keep you contamination free. In fact, many of our products have received 3-A® Sanitary Approvals. Gauges with all-stainless steel construction satisfy regulatory requirements and are CIP/SIP capable. While our custom designs for compact pressure switches and transducers fit tight spaces while allowing for Clean-in-place (CIP) and Sterilization-in-place (SIP).

Contact us today at 800-328-825, or visit www.ashcroft.com

PRESSURE GAUGES



MODEL: 1032

DIAL SIZES: 2", 2½", 3½", 4½"

ACCURACY: for 2" model 3% F.S. upscale; 5% downscale – for 2½", 3½", 4½" models 1.5% F.S. 100 psi and above. Below 100 psi, compound and vacuum 2% (these are dry and XLL model accuracies)

CASE/RING MATERIAL:
300 SS electropolished

TUBE & SOCKET MATERIAL: 316L SS

DIAPHRAGM/HOUSING MATERIAL & SURFACE FINISH:
316L SS (12-20 Ra) electropolished

CONNECTION SIZE:
¾" Tri-Clamp® for 2" dials and 1½" & 2" Tri-Clamp® for 2½", 3½", 4½" dials

SYSTEM FILLING: Food grade glycerine; optional material food grade silicone and others on request

WINDOW MATERIAL: 2" and 4½" glass; 2½" and 3½" polycarbonate; Polysulfone optional on 3½" 1032 only

APPROVALS AND CERTIFICATES:
3A listed to standard 74 (sensors and sensor fittings).

PRESSURE RANGES:
2", 30 psi thru 600 psi plus compound; 2½", 3½", 4½" – 15 psi thru 100 psi plus compound & vacuum

TEMPERATURE LIMITS: for CIP & SIP 280°F (138°C); for autoclaving 300°F (149°C) only on 3½" with XPS polysulfone

FLUSH IN-LINE GAUGE AND FITTING SYSTEM



MODEL: 1036 (¾" dial size only)

ACCURACY: 1.5% F.S. 100 psi and above, 2% F.S. for ranges below 100 psi and compound and vacuum

CASE/RING MATERIAL:
300 SS electropolished

TUBE & SOCKET MATERIAL: 316L SS

DIAPHRAGM/HOUSING MATERIAL & SURFACE FINISH:
316L SS (12-20 Ra) electropolished

CONNECTION: 1½" Tri-Clamp® mating to 1½" Tri-Clamp® on all size 1037 fittings. Buna N o-ring for sealing.

SYSTEM FILLING: Food grade glycerin. Optional material food grade silicone and others on request.

WINDOW MATERIAL: Polycarbonate standard; polysulfone optional.

APPROVALS AND CERTIFICATES:
3A listed to standard 74 (sensors and sensor fittings).

PRESSURE RANGES: 15 psi thru 600 psi including compound and vacuum.

TEMPERATURE LIMITS: for CIP & SIP 280°F (138°C); for autoclaving 300°F (149°C) only when supplied with polysulfone window (XPS)

MODEL: 1037 Flush In-Line Sanitary Fittings (Tri-Clamp® Connection)

SIZES: ½", ¾", 1", 1½", & 2" Tri-Clamp®

MATERIAL: 316L SS, electropolished

APPROVALS AND CERTIFICATES:
Material certs to EN 10204:2004 3.1

DIGITAL GAUGES



MODEL:

Battery: 2032/2036 (In-Line)
4-20mA: 2132/2136 (In-Line)
12-36Vdc; 2232/2236 (In-Line)

ACCURACY: 0.25%

CASE MATERIAL: 300 SS

ENCLOSURE RATING: NEMA 4, IP65

WETTED MATERIAL: 316L SS

Ra FINISH: 12 to 20

TRI-CLAMP: 1½", 2"

LCD: DISPLAY: 5 digit

BATTERY LIFE (hours): 1000

OUTPUT: 4-20mA

RANGE: Vac to 1000 psi

CIP/SIP: -10-135°C (14-275°F)

OPERATING PROCESS

TEMPERATURE:
-10 to 135°C (14-275°F)

CONNECTION LOCATION:

Lower: direct or remote
Lower: in-line

SWITCH ELEMENTS: (1) or (2) SPDT

MATERIAL CERTIFICATION:

EN 10204: 2004 3.1

COMMENT:

- Ashcroft multi-functional sanitary digital gauges with;
- local indication
 - 4-20mA output with unlimited adjustable turndown
 - (1) or (2) SPDT switches adjustable throughout gauge range

APPROVALS: 3A



SWITCHES



MODEL: A series, G-series

ACCURACY:

A series: 2%
G-series: 1%

CASE MATERIAL:

A series: 304L SS
G-series: 316L SS

ENCLOSURE RATING:

A series: NEMA 4X, 7, 9, IP66
G-series: NEMA 4, 4X, IP66

WETTED MATERIAL: 316L SS

Ra FINISH: 12 to 20

TRI-CLAMP:

A series: ¾", 1½", 2"
G-series: 1½", 2"

RANGE: Vac to 1000 psi

OPERATING PROCESS

TEMPERATURE:
A series: 18-93°C (0-200°F)
G-series: 18-149°C (0-300°F)
Varies by diaphragm material

CONNECTION LOCATION:

A series: Direct
G-series: Direct or remote

APPROVALS: CSA, UL, 3A



LOOK FOR THESE MARKS ON OUR PRODUCTS

TRANSMITTERS



MODEL: KS, A2

ACCURACY:

KS: 1% span
A2: 0.25%, 0.5%, 1% span

CASE MATERIAL: 316L SS/304 SS

ENCLOSURE RATING:

KS: NEMA 4, 4X
A2: NEMA4, 6, 7, 9, IP65/67

WETTED MATERIAL: 316L SS

Ra FINISH: 12 to 20

TRI-CLAMP: 1½", 2"

OUTPUT:

KS: 4-20mA, 1-5, 1-6Vdc, millivolt
A2: 4-20mA, 0-5, 0-10, 1-5, 1-6Vdc,
0.5-4.5Vdc (ratiometric)

RANGE: Vac to 1000 psi

OPERATING PROCESS

TEMPERATURE:
KS: -28-82°C (-20°-180°F)
A2: -40-125°C (-40°-257°F)

CONNECTION LOCATION: Direct

APPROVALS: 3A KS



THERMOMETERS



MODEL: EI (Dry), EL (Liquid), CI (Tamper Resistant)

ACCURACY: 1%

CASE MATERIAL: 304L SS

CASE: 2", 3", 5"

WETTED MATERIAL: 316L SS

Ra FINISH: 8 to 12 (thermowell)

TRI-CLAMP: 1", 1½", 2"

RANGE: -50-500°C, (-80-1000°F)

OPERATING PROCESS

TEMPERATURE:
-50-500°C, (-80-1000°F)

APPROVALS: 3A (thermowells)

Tri-Clamps are not included.
Tri-Clamp® is a registered trademark of Alfa Laval Inc.



All specifications are subject to change without notice.
All sales subject to standard terms and conditions.
© 2015 Ashcroft Inc 04/15

Ashcroft Inc., 250 East Main Street, Stratford, CT 06614 USA
Tel: 203-378-8281 • Fax: 203-385-0408
email: info@ashcroft.com • www.ashcroft.com