

In-Line Sanitary Gauges Type 1036 with Type 1037 Sanitary Instrument Fitting

TYPE 1036 SANITARY GAUGE

- All-welded stainless steel Bourdon tube
- Field liquid-fillable gauge case
- True Zero™ pointer indication
- PowerFlex™ movement for extended life
- Easy Zero™ external pointer adjustment standard
- Retrofits Anderson Instrument CPM design
- New PLUS!™ Performance Option:
 - Liquid-filled performance in a dry gauge
 - Fights vibration and pulsations without liquid-fill headaches
 - See pages 6-7 for details
 - Order as option XLL

TYPE 1037 INSTRUMENT FITTING

- Tubing O.D. size from 1/2" thru 2"
- 316L SS
- Electropolished 12-20RA internal surface finish
- Heat number stamped on each fitting

Ashcroft® Type 1036 in-line sanitary pressure gauge and Type 1037 sanitary instrument fitting virtually eliminate process deadleg. The design of the Type 1036 sanitary gauge and instrument fitting allows for the diaphragm of the gauge to be positioned at the gauge instrument fitting, eliminating the pocket or deadleg that may cause contamination.

The Type 1036 sanitary gauge and Type 1037 instrument fitting utilize a 1 1/2" Tri-Clover-type mating connection. This feature offers flexibility to use the Ashcroft Type 1036 with the Type 1037 instrument fitting for tube sizes from 1/2" thru 2".



PRODUCT SPECIFICATIONS

Dial Size: 3 1/2"

Accuracy: ±1.5% of span for pressure ranges 100 psi thru 600 psi. ±2.0% of span for vacuum, compound and pressure ranges below 100 psi

Case and Ring: 300 series stainless steel

Ring Type: Bayonet

Bourdon Tube and Socket: 316L stainless steel

Diaphragm Material and Surface Finish: 316L SS (12-20RA Finish)

Diaphragm O-Ring: Buna-N⁽¹⁾

Connection: Lower

System Fill: USP food grade glycerin

Windows: Polycarbonate

Pointer: Black-painted aluminum with external zero adjust (Easy Zero™)

Dial: White with black markings including 3A insignia

Movement: 300 series stainless steel

Agency Approvals: 3A compliance to sanitary standard 74-02

Ranges: 15# thru 600#, including compound and vacuum

Clean or Steam in Place (CIP or SIP): Temperature limit of 300°F (149°C)

Temperature error: ±0.16%/10°F change at 70°F

Autoclave or sterilize: Temperature limit of 300°F (149°C)

We recommend a polysulfone window for autoclave/sterilization. Specify the XPS variation.

ASHCROFT® TYPE 1037 INSTRUMENT FITTING

Feature	Code
316L SS construction	Standard
Wetted parts electropolished to 12-20RA surface finish	Standard
Heat number stamped on fitting	Standard

Sizes:

1/2" Tri-Clamp connection	50
3/4" Tri-Clamp connection	75
1" Tri-Clamp connection	10
1 1/2" Tri-Clamp connection	15
2" Tri-Clamp connection	20

To Ensure Cleanliness

Prior to reinstalling the Type 1036 into the Type 1037 instrument fitting, we recommend replacing the O-ring (P/N 185A106-75)

STANDARD RANGES⁽¹⁾

Pressure psi	Compound Vacuum/psi
0/15	30 in.Hg/0 psi
0/30	30 in.Hg/15 psi
0/60	30 in.Hg/30 psi
0/100	30 in.Hg/60 psi
0/160	30 in.Hg/100 psi
0/200	30 in.Hg/150 psi
0/300	30 in.Hg/300 psi
0/400	
0/600	
0/1000 ⁽²⁾	

(1) Nonstandard ranges available standard including units in bar, kg/cm² and kPa.

(2) Consult Tri-Clover, Inc. for appropriate clamps on 1000 psi range.

TO ORDER THIS 1036 SANITARY GAUGE:

Select: _____ 35 _____ 1036 _____ SD _____ 15L _____ XXX _____ 100#

- Dial size—3 1/2" _____
- Family—1036 _____
- System material/fill—SS/dry _____
- Connection size/location—1.5" seal/lower _____
- X variations _____
- Range _____

HOW TO ORDER FITTING:

75 – 1037

50 – 1/2" Tri-Clamp connection
 75 – 3/4" Tri-Clamp connection
 10 – 1" Tri-Clamp connection
 15 – 1 1/2" Tri-Clamp connection
 20 – 2" Tri-Clamp connection