

OXYGEN & ACETYLENE

Stainless Steel Gauges

abcdf

Case

AISI 304 Stainless Steel
Solid front between bourdon tube and dial.
Bezel Stainless Steel (Bayonet type)
Weatherproof Construction

Socket + Element

AISI 316 Stainless Steel

Thread

1/8", 1/4", 3/8", 1/2" NPT, BSP, BSPT

Movement

Stainless Steel

Dial

White Aluminium (Black Printing)

Pointer

Black Aluminium

Window

Laminated Safety Glass

Standard Size

63, 100, 150mm

Accuracy class

1%

Scale Range

Vacuum to 2,500 bar

Ordering information

State:- Pressure gauge model
/Nominal size / Scale range
/ Size and location of connection / Optional extras reqd.



Optional extras

AISI 316 Stainless steel case.
White plastic dial (Black Printing).
Micro adjustable pointer / Black Finish.
Other pressure connections (including high pressure).
Monel to Nace MR-01-75 wetted parts.
Perspex window.
Customer logo.
Liquid filling.
Vibragauge®
Snubbagauge®
Further options: on request

Precautions Relating to Gauges for use with Oxygen and Acetylene.

Gauges for use with Oxygen. Oxygen under pressure forms an explosive mixture with oil or grease, and a serious explosion may result if the two are brought together. Thin films and slight deposits of oil or grease are particularly susceptible to ignition. It is imperative that extreme care be exercised in the manufacture and testing of oxygen gauges and in the subsequent cleaning and handling of oxygen gauges and their connections, so that they are kept absolutely free from oil and grease. When gauges are tested, oil must not be allowed to touch or enter the gauge. They should be tested only with oil-free water or dry clean air or other suitable media on testing equipment used for that purpose alone and no other gauges should be tested on this equipment owing to the risk of oil contamination. (NOTE: Factory air supplies are rarely, if ever, free from oil contamination.) It is essential that all gauges for use with oxygen should be of the Safety type. It is essential that all gauges for use with oxygen shall have plainly inscribed on the dial in black letters, the word OXYGEN and in red letters the warning USE NO OIL.
Gauges for use with Acetylene. Acetylene in conjunction with copper or silver may form an explosive compound and the use of high copper or silver content allows for any part of the gauge that may come in contact with the gas should be avoided. Where possible, the bourdon tube and all other parts with which the gas may take contact should be constructed of steel. Where the use of steel is impracticable, a low copper content alloy should be used and the copper content should be less than 65%. It is essential that all gauges for use with acetylene should be of the Safety Type. It is essential that all gauges for use with acetylene shall have plainly inscribed on the dial in red letters ACETYLENE.

We manufacture a wide range of instruments to customer's special requirements
We shall be pleased to discuss and advise on your specifications

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Engineering modifications may take place without prior notice.



STEWARTS

STEWART-BUCHANAN GAUGES LTD
Sales Office & Manufacturing Facility.
Burnside Industrial Estate, Kilsyth, G65 9JX, SCOTLAND
Tel:- +44 (0)1236 821533
Fax:- +44 (0)1236 824090
E-Mail:- sales@stewarts-group.com
Web Site:- www.stewarts-group.com or www.stewarts-group.co.uk

OXYGEN & ACETYLENE

Stainless Steel Gauges

abcdf

Standard Dimensions

Surface Mounted
Model - 1081/S

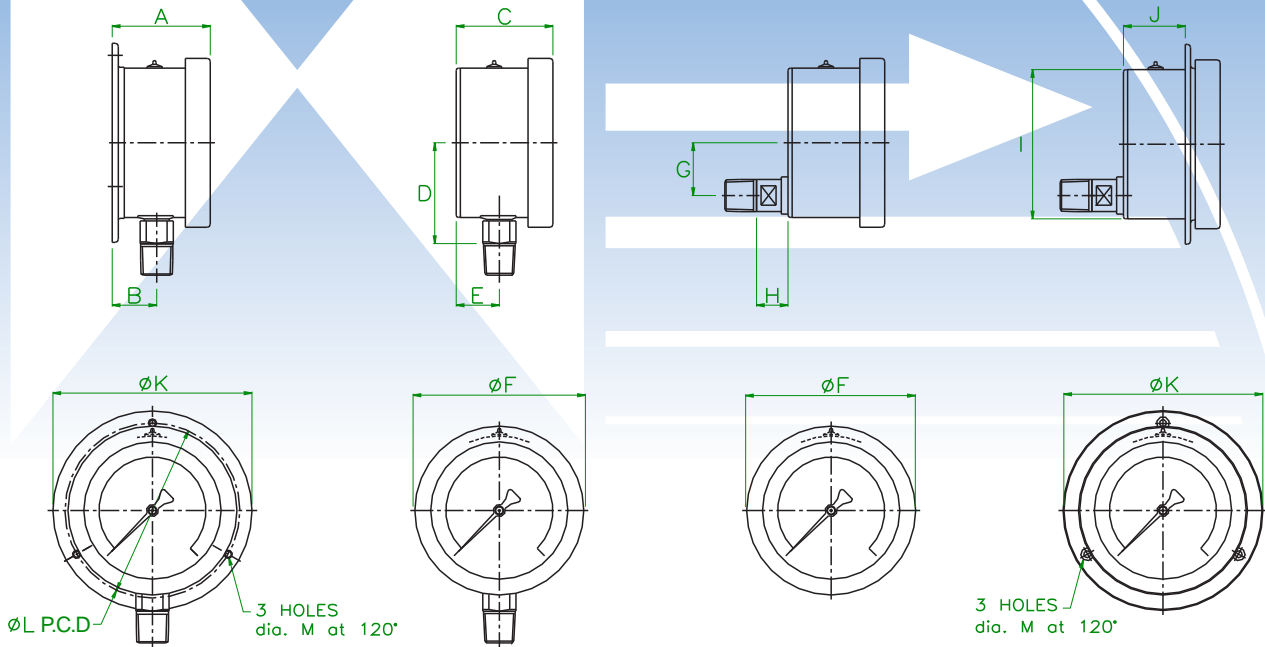
Direct Mounted
(Standard)
Model - 1082/S

Direct Mounted
Model - 1082/S-BC

Flush Mounted
Screw Fixing
Model - 1083/S

Bottom connect

Rear connect



Dimensions Diameter	A	B	C	D	E	F	G	H	I	J	K	L	M	Panel Cut-out
63	43	20.5	42	42	19.5	63.5	18	12	62	21	85	75	3.6	70
100	65	30	65	67	29	112	34	21	99	41	132.5	116	4.5	106
150	66	30	65	92	29	162	34	21	148	41	186	168	5.8	155

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Engineering modifications may take place without prior notice.



STEWART-BUCHANAN GAUGES LTD
Sales Office & Manufacturing Facility.
Burnside Industrial Estate, Kilsyth, G65 9JX, SCOTLAND
 Tel:- +44 (0)1236 821533
 Fax:- +44 (0)1236 824090
 E-Mail:- sales@stewarts-group.com
 Web Site:- www.stewarts-group.com or [.co.uk](http://www.stewarts-group.co.uk)

Rev-02(G/00)

Pressure Gauges . Thermometers . Needle Valves . Ball Valves . Check Valves . Manifolds