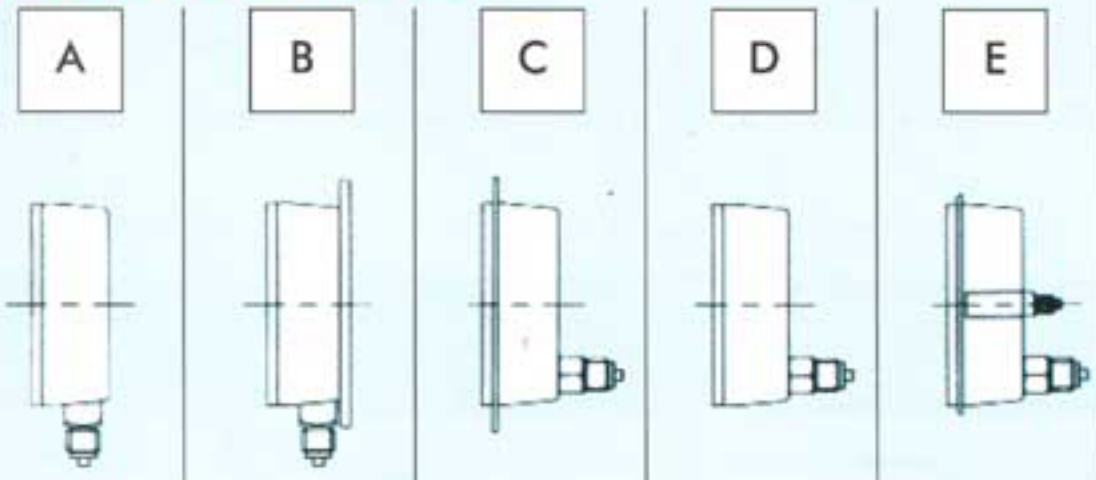
Bourdon Tube Pressure Gauges Type A and C

EXAMPLE Ordering Code	INSTRUMENT SELECTION
100	DIAL SIZE (mm) 63 80 100 150 200 250 300
A	SENSING ELEMENT Bourdon Tube Type A
A	WETTED PARTS A = Brass/Bronze B = Stainless Steel
A	TYPE OF MOUNTING A = Direct B = Surface C = Flush Mounting Three Hole Fixing D = Direct Mounting Back Connection E = Flush Mounting Clamp Fixing
3	CASE MATERIAL 2 = Brass 3 = Steel, Grey Acrylic Enamel Finish 4 = Stainless Steel 5 = Chromium Plated 6 = Steel, Black Acrylic Enamel Finish
8	BEZEL MATERIAL 2 = Brass 3 = Steel, Grey Acrylic Enamel Finish 4 = Stainless Steel 5 = Chromium Plated 6 = Steel Finished Black Enamel 7 = Steel Finished Matt Black 8 = Polypropylene, Matt Black
3	CONNECTION SIZE 1 = 1/8" 2 = 1/4" 3 = 3/8" 4 = 1/2"
B	CONNECTION TYPE A = API B = BSP N = NPT T = BSPT
0-10 BAR	PRESSURE RANGE See page 30 for Standard Ranges

Heavy duty gauges for general industrial and marine use. Ranges vacuum to 1000 bar

- Sizes 63, 80, 100, 150, 200, 250 and 300 mm
- Full sized bourdon element
- Choice of brass/bronze or stainless steel (316) wetted parts
- Robust construction with 'one stalk' internal design
- Matches other temperature, altitude, and tank contents instruments in the range
- Complies with BS EN 837-1 Class 1
- Complies with M&E 3 and M&E 100
- Accuracy ±1% f.s.d. (Class 1 to BS EN 837-1)
- Overload to BS EN 837-1
- Electrical contacts can be fitted
- Altitude gauges have red set pointer
- Direct, surface or flush mounting
- Choice of case material
- Unless otherwise specified 63 and 80 mm dia. gauges have 1/4BSP connection, all others 3/8BSP
- Dimensions shown overleaf
- Blow out disc fitted as standard below 25 bar
- Pressure gauge (type A). Altitude gauges (Type C) includes red setting pointer
- Silicone damped, stainless steel movements available on 100 mm dia. sizes and above to help combat vibration

TYPE OF MOUNTING



Bourdon Tube
Pressure Gauges Type A and C

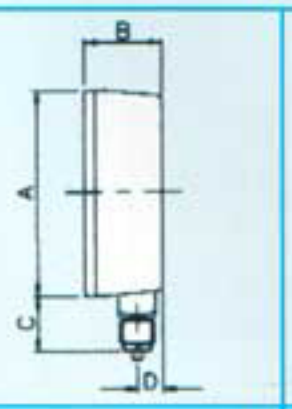
dimensions

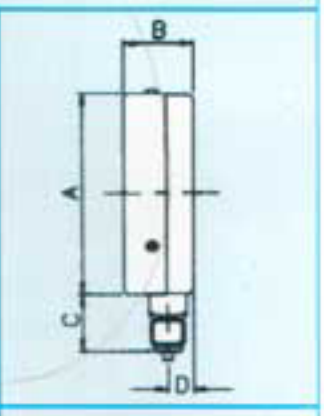
NOTE: The Standard Connections fitted are as follows:
Size: 63 and 80 — 1/4" BSP
100 and above — 3/8" BSP
(Non-standard connections are available on request)

	Modular Construction=MOD	Parallel Case Construction=PAR

DIRECT MOUNTING (CODE 1)

Size	63 (PAR)	63 (MOD)	80	100 (PAR)	100 (MOD)	150	200	250	300
A	63	63	81	104	106	148	206	256	308
B	31	30	31	36	40	39	44	44	44
C	20	20	20	29	28	29	29	29	29
D	11	11	11	14	14	14	14	14	14

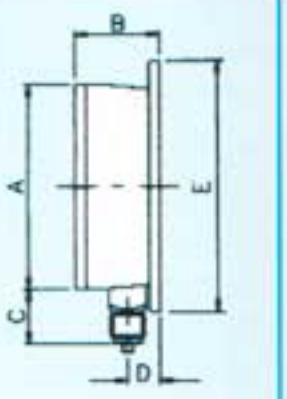


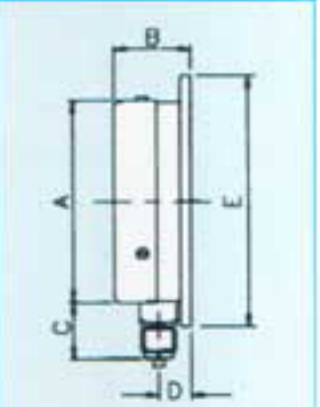


SURFACE MOUNTING (CODE B)

Size	63 (PAR)	63 (MOD)	80	100 (PAR)	100 (MOD)	150	200	250	300
A	63	63	81	104	106	148	206	256	308
B	34	33	34	40	44	43	45	45	45
C	20	20	21	29	29	29	29	29	29
D	14	14	15	17	17	17	16	16	16
E	86	86	102	130	130	183	230	290	330
PCD	76	76	91	116	116	168	221	273	325

PCD = Pitch Circle Diameter of holes in Surface Mounting flange.

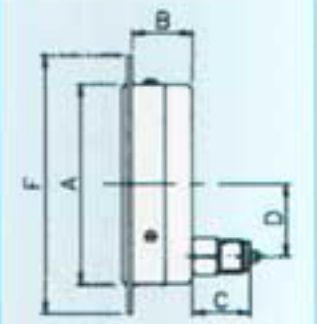




BACK CONNECTION (CODE C)

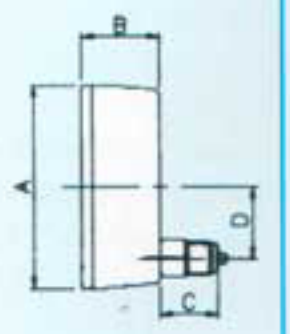
Size	63 (PAR)		80	100 (PAR)		150	200	250	300
A	63		81	104		148	206	256	308
B	26		26	31		34	37	37	37
C	20		27	34		34	34	34	34
D	0		21	37		37	37	37	37
F	86		105	134		188	240	305	366
PCD	75		94	121		175	225	285	345
H	67		85	108		152	210	260	312

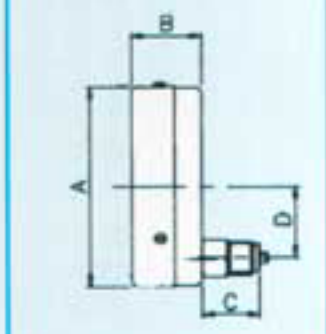
PCD = Pitch Circle Diameter of holes in three hole fixing flange.
H = Recommended panel cut out hole.



BACK CONNECTION (CODE D)

Size	63 (PAR)	63 (MOD)	80	100 (PAR)	100 (MOD)	150	200	250	300
A	63	63	81	104	106	148	206	256	308
B	31	30	31	36	40	39	44	44	44
C	20	20	27	34	34	34	34	34	34
D	0	0	21	37	37	37	37	37	37





BACK CONNECTION (CODE E)

Size	63 (PAR)	63 (MOD)	80	100 (PAR)	100 (MOD)	150	200	250	300
A	63	63	81	104	106	148	206	256	308
B	26	25	26	31	33	34	37	37	37
C	20	20	27	34	34	34	34	34	34
D	0	0	21	37	37	37	37	37	37
E	75	67	93	116	111	166	240	305	366
H	67	64	85	108	106	152	210	260	312

H = Recommended panel cut out hole.