

FEATURES

- All SS measuring system
- Socket-case, direct welded
- Dry / liquid filled

APPLICATION

- Food & Beverages
- Chemical & Petrochemical
- Corrosive environments
- Liquid & gaseous mediums

PRESSURES

- 0-100 Psi
- 0-160 Psi
- 0-200 Psi
- 0-300 Psi
- 0-500 Psi
- 0-600 Psi
- 0-1000 Psi
- 0-1500 Psi
- 0-2000 Psi
- 0-3000 Psi
- 0-4000 Psi
- 0-5000 Psi
- 0-6000 Psi
- 0-10000 Psi
- 0-15000 Psi
- 0-20000 Psi
- 0-25000 Psi
- 0-30000 Psi
- 0-35000 Psi
- 0-40000 Psi
- 0-60000 Psi

Gauges Type:
4" (100 mm)
2.5" (65 mm)

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HYDROREX
 HYDRO-USA GAUGES

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Accuracy 1% (DN63 - 2.5") / DN100 - 4") & CL 2.5 (DN50)

Ambient temperature : -40...+65°C (without dampening liquid)
 : -104... +150F

Ambient temperature : -20...+65°C (with dampening liquid)
 : -90... +150F

Service temperature : 300°C max. 575F max

Pressure limits : Steady pressure up to FS value
 : Fluctuating pressure up to 90% of FS value
 : Short time 1.3 x FS value for range up to 100/1450 bar/psi
 : Short time 1.15 x FS value for range above 100/1450 bar/psi bar

Weld joints : TIG argon arc welding

MATERIAL OF CONSTRUCTION

Sensing element : Bourdon Tube (≤ 100 bar : C - type , > 100 bar : Helical)
 Case & Ring material : AISI 304 SS (Bayonet type)
 Bourdon tube & Shank : AISI 316L SS (Shank welded directly to case)
 Movement mechanism : AISI 304 SS
 Dial : Aluminum, black graduation on white background
 Pointer : Fixed, aluminum, black powder coated
 Gaskets, Blow off disc & filling plug : Neoprene / NBR
 Window : Plexi glass

STANDARD SPECIFICATIONS

Dial size : DN50-2.5" / DN100-4"
 Range : -1...1379/20000 bar/psi (DN50-2.5")
 : -1...1000/40000 bar/psi (DN100-4")
 Mounting pattern : Direct, Bottom connection & Front Flange
 Process connection : 1/4" NPT (M), 1/2" NPT (M) & 1/4" HP (F)
 Ingress protection : IP 54 / IP 65
 Execution : Dry / Dry but fillable

STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, GLYCERIN

Window : Plexi glass
 Dampening liquid : Glycerin 99.7% [Service temperature up to 65°C/150F]

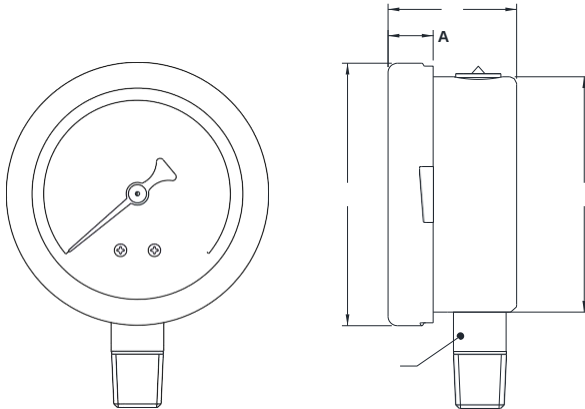
TEMPERATURE EFFECT

When temperature of the measuring system deviates from reference temperature (+20° C/-68F) max error $\pm 0.4\%$ / 10K of true scale value.

All dimensions are in mm.

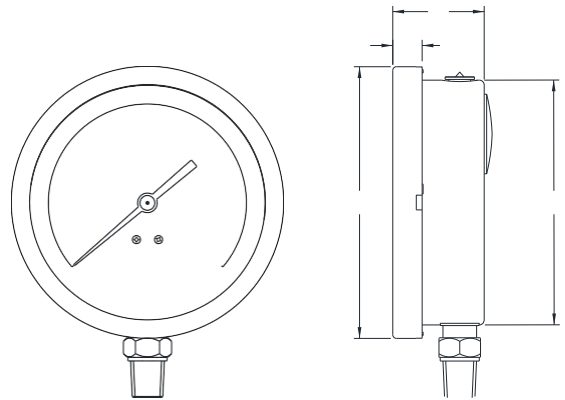
DIMENSIONAL DRAWING

Type BC (2.5" Dial / 63mm Dial)



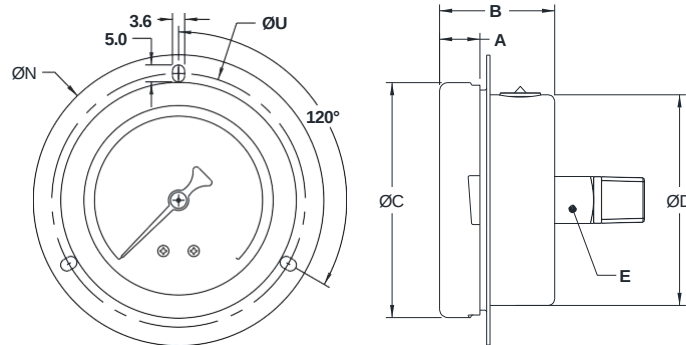
DN	A	B	ØC	ØD	E	Weight (grams)
63	12	33	69.7	62.5	SQ.14	209

Type BC (4" Dial / 100mm Dial)



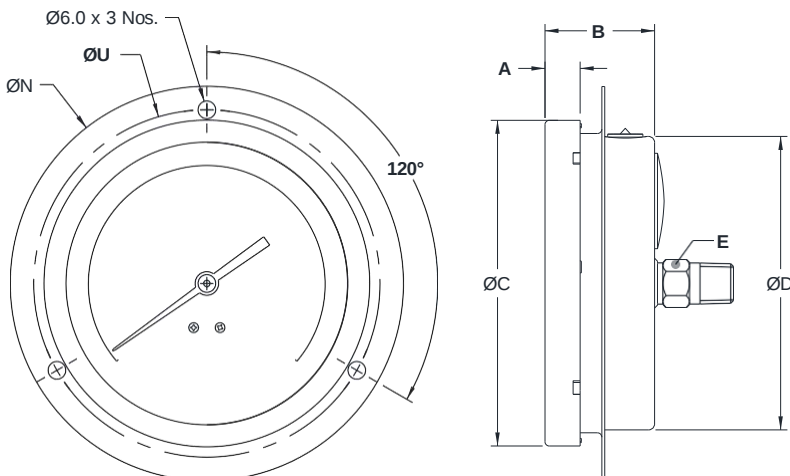
DN	A	B	ØC	ØD	E	Weight (grams)
100	12	38	111	100	A/F14	500

Type FF (4" Dial / 100mm Dial)



DN	A	B	ØC	ØD	E	ØN	ØU	Weight (grams)
63	12	33	69.7	62.5	SQ.14	86	75	240

Type FF (4" Dial / 100mm Dial)



DN	A	B	ØC	ØD	E	ØN	ØU	Weight (grams)
100	12	38	111	100	A/F 14	134	118	574

Type R3 (Bayonet ring)