

RUBBER DIAPHRAGM DIFFERENTIAL PRESSURE GAUGE- FLAME PROOF HEAD. TGI14-3

APPLICATIONS

- Clean Room Application
- Filtration Application
- Water Application

FEATURES

- Compact Design
- Static Pressure 100 bar
- Switch -Reed switch
- Dry / liquid filled



RUBBER DIAPHRAGM DIFFERENTIAL PR.GAUGE, TGI14-3

DESCRIPTION

General

Accuracy : ± 2 % of full scale -Ascending
Ambient temperature : -40...+65°C [without dampening liquid]
: -20...+65°C [with dampening liquid]
Service temperature : 200°C max.
Static pressure limits : 10 Bar

Material of construction

Sensing element : Ceramic Magnet
Case: AISI 304 SS, & **Ring material** :NBR
Wetted Parts: Viton Diaphragm, Spring :AISI 302 SS
Chamber : AISI 316 SS
Fastener : AISI 304 SS
Dial : Aluminum, black graduation on white background
Pointer : Fixed Type, aluminum, black powder coated
Filling plug : NBR
Window : Plexi Glass
Encloser : Flame Proof Head

Standard version

Dial size : DN63 / DN100 / DN150
Range : 0-75Mbar...0...4 bar
Mounting pattern : Bottom / Back / Inline Port
Process connection : 1/4" NPT (F) x 2 Nos.
Ingress protection : IP 65
Execution : Dry / Dry but fillable /Fillable

Filled versions

Glycerin

Accuracy : ± 4.0 % of full scale
Dampening liquid : Glycerin 99.7%

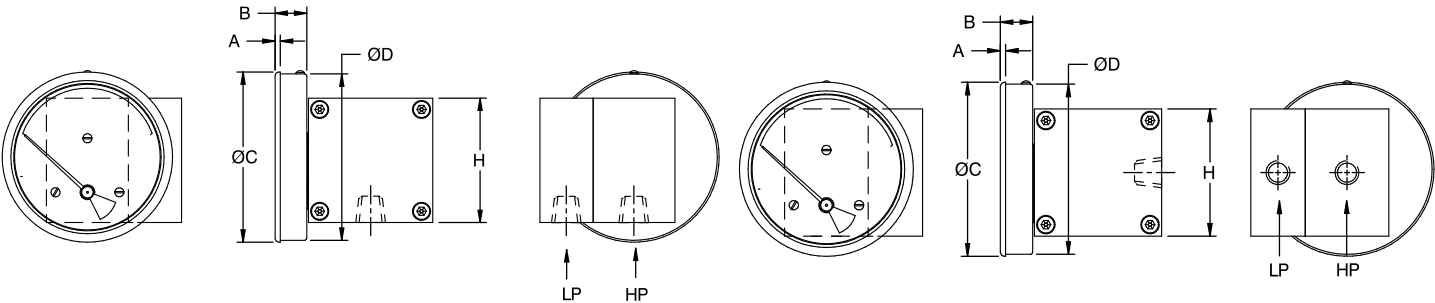
Switch / Contact with Flame Proof Encloser version

Accuracy : ± 4.0 % of full scale
Window : Plexi Glass
Switch : 1 SPDT / 1 SPST

RUBBER DIAPHRAGM DIFFERENTIAL PRESSURE GAUGE-FLAME PROOF HEAD.

TGI14-3

DIMENSIONAL DRAWING



DN	A	B	ØC	ØD	E	H	Weight (grams)
63	2.4	18.6	66.5	63	A/F-20	76	710
100	3.2	19.5	104	102	A/F-20	76	760
150	3.2	19.5	155.5	151.5	A/F-20	76	860

DN	A	B	ØC	ØD	E	H	Weight (grams)
63	2.4	18.6	66.5	63	A/F-20	50	700
100	3.2	19.5	104	102	A/F-20	50	750
150	3.2	19.5	155.5	151.5	A/F-20	50	850

NOTES

1. Drawing not to scale. All dimensions are in mm.

ORDERING CODES

MODEL

TGI14-3 Rubber Diaphragm Differential Pressure Gauge

TGI14-3

DIAL SIZE

D2 2.5" / 63 mm

D4 4" / 100 mm

D6 6" / 150 mm

D4

MOUNTING

M1 Direct bottom

M14 - Direct Back

M11 Inline Type

M1

CONNECTION

P24 1/4" NPT (F)

P07 1/2" BSP (M)

P08 1/2" NPT (M)

P24

CASE FILLING

F1 Dry

F2 Dry but fillable

F3 Glycerin filled

F1

WETTED PARTS

S02 AISI 316 SS

S03 AISI 316L SS

S02

INGRESS PROTECTION

I1 IP 65

I1

RANGE

0-1 bar Please mention range required with the measurement unit
[TGI offer in all types of National & International measurement units, e.g. kg/cm², psi, kPa, etc. with single or dual scales]

0.75 mbar

ELECTRIC CONTACT

N13 1 SPDT

N23 1 SPDT

N24 2 SPDT

XXX

OTHER OPTIONS

E16 5 - point calibration certificate
E17 Material test certificate 3.1

E31 Custom designed dial
E21 Material test certificate 2.2

E32 Dial tag marking
E27 SS tag plate, AISI 304 SS

XXX

Ordering Example : TGI14-3.D4.M1.P24.F1.S02.I1/0-0.25 mbar