

RUBBER DIAPHRAGM DIFFERENTIAL PRESSURE GAUGE

TGI14-2

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, TGI14-2

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

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 version

Accuracy : ± 4.0 % of full scale

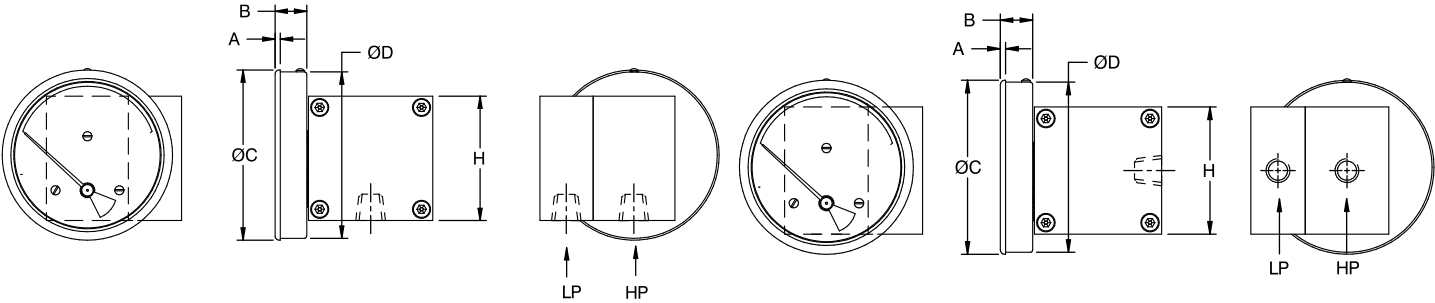
Window : Plexi Glass

Switch : 1 SPDT / 1 SPST

RUBBER DIAPHRAGM DIFFERENTIAL PRESSURE GAUGE

TGI14-2

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						TGI14-2			
TGI14-2 Rubber Diaphragm Differential Pressure Gauge									
DIAL SIZE									
D2	2.5" / 63 mm		D4	4" / 100 mm			D6	6" / 150 mm	
MOUNTING									
M1	Direct bottom		M14 - Direct Back		M11		Inline Type		
CONNECTION									
P24	¼" NPT (F)		P07	½" BSP (M)			P08	½" NPT (M)	
CASE FILLING									
F1	Dry		F2	Dry but fillable			F3	Glycerin filled	
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]					0.25 mbar			
ELECTRIC CONTACT									
N13	1 SPDT		N23	1 SPST		N24	2 SPDT		XXX
OTHER OPTIONS									
E16	5 - point calibration certificate		E31	Custom designed dial		E32	Dial tag marking		XXX
E17	Material test certificate 3.1		E21	Material test certificate 2.2		E27	SS tag plate, AISI 304 SS		

Ordering Example : TGI14-2.D4.M1.P24.F1.S02.I1/0-0.25 mbar