



### Special Features

- Stainless steel case & measuring system
- Socket & case welded
- Protection IP 65
- Standard followed in general EN 837-1

### Application

- Clean air
- Non corrosive gases / liquid media that will not obstruct the pressure system

### Specifications

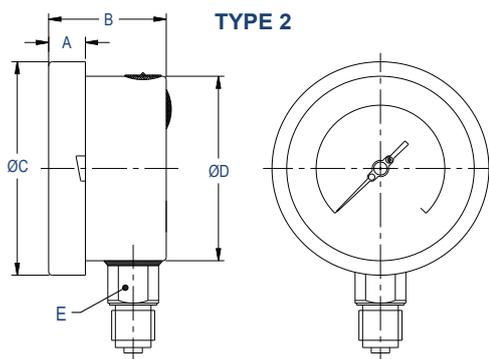
#### Standard Version : 100 mm & 150 mm

Accuracy	:	±1.6% of F. S.
Ambient temperature	:	0 to 65°C
Process temperature	:	Max. 200°C
Operating pressure range	:	75% of the Scale Value
Over pressure limit	:	125% of Max. Scale Value
Case & Ring	:	AISI 304 SS (Bayonet Type)
Bourdon	:	AISI 316L SS
Socket	:	AISI 304 SS (Directly Welded to Case)
Movement	:	AISI 304 SS
Joints	:	Tig Argon Arc Welding
Protection	:	IP 65
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black coloured, slotted zero adjustable
Window	:	Sheet Glass
Blow off Disc	:	Neoprene
Gasket	:	Neoprene

#### Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula :  $\pm 0.04 \times (t_2 - t_1) \% \text{ of F. S.}$  where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.

### Dimensions - standard version



NS	A	B	ØC	ØD	E	Weight in gram (With Box)
100	12.5	47	111	100	22	640.0
150	15	49	161	149	22	1020.0

- Notes :
- Drawings are not to scale.
  - All Dimensions are in mm.
  - NS = Nominal Size.

## Range Table

Following ranges are available in kg/cm<sup>2</sup> and psi (Dual Scale) only.

Pressure				Vacuum & Compound	
Pressure ranges ( psi with kg/cm <sup>2</sup> )				Compound ranges ( inHg with psi & mmHg with kg/cm <sup>2</sup> )	
psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	inHg with psi	mmHg with kg/cm <sup>2</sup>
0/60	0/4	0/400	0/28	- 30/0	- 760/0
0/100	0/7	0/500	0/35	- 30/60	- 760/4
0/150	0/10	0/600	0/42	- 30/150	- 760/10
0/220	0/16	0/1000	0/70	-30/200	-760/14
0/300	0/21				

## How To Order

## Example

### Basic Model

RBV

### Code

#### Nominal Size

F

H

100 mm

150 mm

X

### Type of Mounting

2 Direct bottom entry

X

### Gauge Connection

**3BM** 3/8" BSP (M) Standard

**4BM** 1/2" BSP (M) Standard

**4NM** 1/2" NPT (M) Standard

XXX

### Range

Refer range table

0/10  
kg/cm<sup>2</sup>

### Optional extras

**PW** Five point calibration certificate

**SX** SS tag plate

**QB** Integral dampening screw (AISI 316 SS)

**SK** Micrometer '0' adjustment pointer

**SW** Dial tag marking

**TB** Helium leak test

**GH** Material test certificates\*\*\*

XX

\*\*\* Material test certificates will be provided for wetted parts only with chemical composition testing.

For others, please consult factory.

Note : Dial scale will be in black color only.

**Ordering Example: RBV . X . X . XXX . 0/10 kg/cm<sup>2</sup> XX**

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.