



### Special Features

- Stainless steel case & measuring system
- Selectable ranges from  
- 6000 to 0 & 0 to 6000 mmWC, -1 to 0 & 0 to 10 kg/cm<sup>2</sup>
- Flanged or screwed connection
- Standard followed in general EN 837 - 3
- C & C & Atex approved electrical contacts

### Application

- Suitable for clean air
- Corrosive environments & Gaseous or non crystallized liquid media that will not obstruct the pressure system.

### Specifications

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

|                          |   |                                                              |
|--------------------------|---|--------------------------------------------------------------|
| Diaphragm Type           | : | HP : -1 to 0 kg/cm <sup>2</sup> & 0 to 10 kg/cm <sup>2</sup> |
|                          | : | LP : -6000 mmWC to 0 & 0 to 6000 mmWC                        |
| Accuracy                 | : | ±1.6% of F. S.                                               |
| Ambient temperature      | : | - 25°C to + 65°C                                             |
| Process temperature      | : | Max 100°C                                                    |
| Operating pressure range | : | 75 % of Scale Value                                          |
| Over pressure limit      | : | 125 % of Scale Value                                         |

|                  |   |                            |
|------------------|---|----------------------------|
| Case & bezel     | : | AISI 304 SS (Bayonet Type) |
| Top chamber      | : | AISI 304 SS                |
| Bottom chamber   | : | AISI 316 SS                |
| Movement         | : | AISI 304 SS                |
| Diaphragm        | : | AISI 316L SS               |
| Gauge connection | : | ½" BSP (M)                 |

|               |   |                                                      |
|---------------|---|------------------------------------------------------|
| Protection    | : | IP 65                                                |
| Dial          | : | Aluminum, black graduation on white background       |
| Pointer       | : | Aluminum, black coloured, micrometer zero adjustable |
| Window        | : | Sheet Glass                                          |
| Blow off Disc | : | Neoprene                                             |
| Gasket        | : | Neoprene                                             |

#### Electrical contact - dry version

|                      |   |                                         |
|----------------------|---|-----------------------------------------|
| Accuracy             | : | ±2.5% of F. S.                          |
| Ambient Temperature  | : | Maximum 65°C                            |
| Process Temperature  | : | Maximum 65°C                            |
| Window               | : | Polycarbonate Dome                      |
| Electrical Contacts* | : | Refer how to order                      |
| Other Features       | : | Refer specification of standard version |

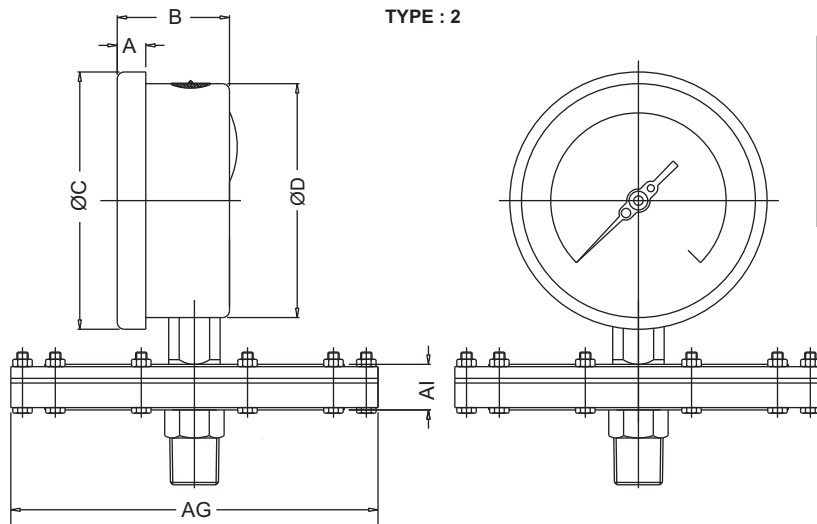
\* Please specify contact set points while ordering.

#### 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 :  $\pm 0.08 \times (t_2 - t_1) \% \text{ of F. S.}$  where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.

Note : The addition of mechanical electric contacts affects the accuracy of instruments such that 1% becomes 1.5%, 1.6% becomes 2.4% etc. (Add the 50% of accuracy; If the contact is of the magnetically assisted type, this value can't be added within the ±5% of setting point.)

Dimensions - standard version



| NS  | A    | B  | ØC  | ØD  | AG* | AI   | Weight in gram (With Box) | Type |
|-----|------|----|-----|-----|-----|------|---------------------------|------|
| 100 | 12.5 | 47 | 111 | 100 | 158 | 17.5 | 2600                      | LP   |
| 150 | 15   | 49 | 161 | 149 | 158 | 17.5 | 3080                      | LP   |
| 100 | 12.5 | 47 | 111 | 100 | 98  | 19   | 1560                      | HP   |
| 150 | 16   | 49 | 161 | 149 | 98  | 19   | 2020                      | HP   |

LP Type = -6000 mmWC to 0 & 0 to 6000 mmWC  
HP Type = -1 kg/cm<sup>2</sup> to 0 & 0 to 25 kg/cm<sup>2</sup>

\* For ranges ±250mmWC & ± 400 mmWC, size shall be 150 mm for LP type.

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

Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm<sup>2</sup> & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm<sup>2</sup> & psi scales

Pressure, Vacuum & Compound Ranges (HP)

Pressure range

| Single scale (kg/cm <sup>2</sup> ) |       |     |      | Dual scale psi with kg/cm <sup>2</sup> |                    |       |                    |
|------------------------------------|-------|-----|------|----------------------------------------|--------------------|-------|--------------------|
| 0/0.6                              | 0/1.6 | 0/4 | 0/10 | psi                                    | kg/cm <sup>2</sup> | psi   | kg/cm <sup>2</sup> |
| 0/1                                | 0/2.5 | 0/6 |      | 0/15                                   | 0/1                | 0/100 | 0/7                |
|                                    |       |     |      | 0/30                                   | 0/2                | 0/150 | 0/10               |
|                                    |       |     |      | 0/60                                   | 0/4                |       |                    |

Vacuum & Compound range

| Single scale (kg/cm <sup>2</sup> ) |      |      | Dual scale kg/cm <sup>2</sup> with psi |                              |               |                              |
|------------------------------------|------|------|----------------------------------------|------------------------------|---------------|------------------------------|
| -1/0.6                             | -1/3 | -1/9 | inHg with psi                          | mmHg with kg/cm <sup>2</sup> | inHg with psi | mmHg with kg/cm <sup>2</sup> |
| -1/1.5                             | -1/5 |      | -30/0                                  | -760/0                       | -30/60        | -760/4                       |
|                                    |      |      | -30/15                                 | -760/1                       | -30/100       | -760/7                       |
|                                    |      |      | -30/30                                 | -760/2                       | -30/150       | -760/9                       |

Pressure, Vacuum & Compound Ranges (LP)

Pressure range

| Single scale - mmWC (LP) |        |        | Vacuum & Compound Range      |          |          |
|--------------------------|--------|--------|------------------------------|----------|----------|
| Single scale - mmWC (LP) |        |        | Single scale - mmWC (Vacuum) |          |          |
| 0/250                    | 0/1000 | 0/2500 | - 250/0                      | - 1000/0 | - 2500/0 |
| 0/400                    | 0/1600 | 0/4000 | - 400/0                      | - 1600/0 | - 4000/0 |
| 0/600                    | 0/2000 | 0/6000 | - 600/0                      | - 2000/0 | - 6000/0 |

Vacuum & Compound Range

| Single scale - mmWC (Compound) |            |             | Accessories (refer datasheet for complete specifications) |                                       |
|--------------------------------|------------|-------------|-----------------------------------------------------------|---------------------------------------|
| - 100/150                      | - 400/600  | - 1000/1500 | EC Gauge cock                                             | EH Siphon                             |
| - 150/250                      | - 600/1000 | - 1500/2500 | * Needle valve                                            | EB Cooling tower                      |
| - 200/400                      | - 800/1200 | - 2000/4000 | EG Snubber                                                | ED Overload protector (gauge saver)** |

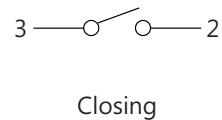
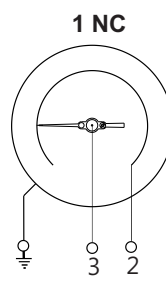
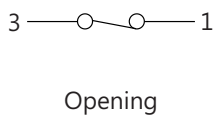
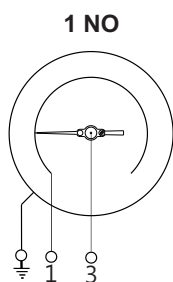
\* Refer catalogue for valves and manifolds

\*\* For Pressure Ranges 6000 mmWC & above

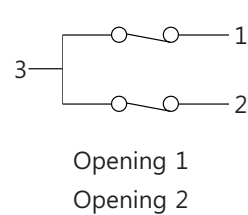
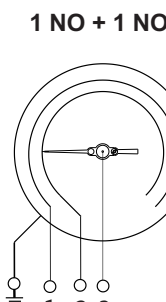
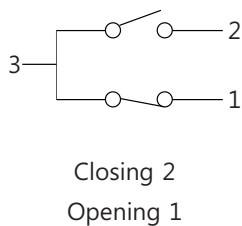
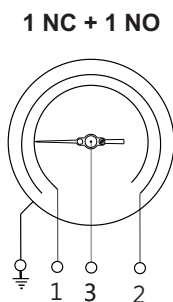
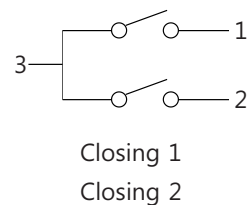
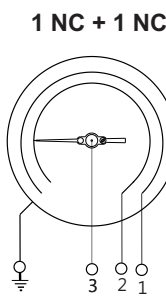
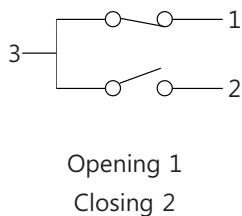
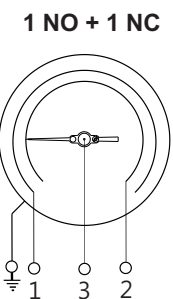
Range Table

Wiring diagrams for electric contacts

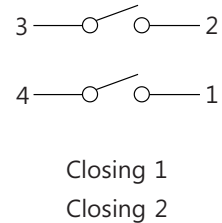
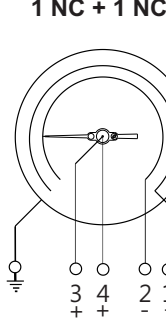
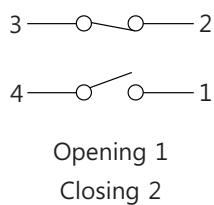
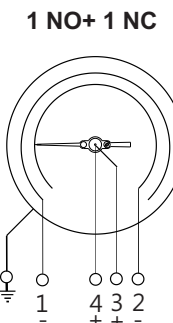
Single Contact



Double contact



Independent double contact



### Flange Table

#### Flange table with ordering codes,

E.g. For flange size of 1" as per BS-10 table E with raised face : B97 - A2 (**A2 Raised face A3 Flat face**)

#### As per EN 1092 - 1

| DN | PN  | CODE |
|----|-----|------|
| 10 | 6   | A01  |
|    | 10  | A02  |
|    | 16  | A03  |
|    | 25  | A04  |
|    | 40  | A05  |
|    | 64  | A06  |
|    | 100 | A07  |
|    | 160 | A08  |
|    | 250 | A09  |
|    | 400 | A10  |
| 15 | 6   | A11  |
|    | 10  | A12  |
|    | 16  | A13  |
|    | 25  | A14  |
|    | 40  | A15  |
|    | 64  | A16  |
|    | 100 | A17  |
|    | 160 | A18  |
|    | 250 | A19  |
|    | 400 | A20  |
| 20 | 6   | A21  |
|    | 10  | A22  |
|    | 16  | A23  |
|    | 25  | A24  |
|    | 40  | A25  |
| 25 | 6   | A26  |
|    | 10  | A27  |
|    | 16  | A28  |
|    | 25  | A29  |
|    | 40  | A30  |
|    | 64  | A31  |
|    | 100 | A32  |
|    | 160 | A33  |
|    | 250 | A34  |
|    | 400 | A35  |

| DN | PN  | CODE |
|----|-----|------|
| 32 | 6   | A36  |
|    | 10  | A37  |
|    | 16  | A38  |
|    | 25  | A39  |
|    | 40  | A40  |
| 40 | 6   | A41  |
|    | 10  | A42  |
|    | 16  | A43  |
|    | 25  | A44  |
|    | 40  | A45  |
|    | 64  | A46  |
|    | 100 | A47  |
|    | 160 | A48  |
|    | 250 | A49  |
|    | 400 | A50  |
| 50 | 6   | A51  |
|    | 10  | A52  |
|    | 16  | A53  |
|    | 25  | A54  |
|    | 40  | A55  |
|    | 64  | A56  |
|    | 100 | A57  |
|    | 160 | A58  |
|    | 250 | A59  |
|    | 400 | A60  |

| DN | PN  | CODE |
|----|-----|------|
| 65 | 6   | A61  |
|    | 10  | A62  |
|    | 16  | A63  |
|    | 25  | A64  |
|    | 40  | A65  |
|    | 64  | A66  |
|    | 100 | A67  |
|    | 160 | A68  |
|    | 250 | A69  |
|    | 400 | A70  |
| 80 | 6   | A71  |
|    | 10  | A72  |
|    | 16  | A73  |
|    | 25  | A74  |
|    | 40  | A75  |
|    | 64  | A76  |
|    | 100 | A77  |
|    | 160 | A78  |
|    | 250 | A79  |
|    | 400 | A80  |

#### As per JIS - B 2239

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 10A          | 5K            | B57  |
|              | 10K           | B58  |
|              | 40K           | B59  |
| 15A          | 5K            | B60  |
|              | 10K           | B61  |
|              | 40K           | B62  |
| 20A          | 5K            | B63  |
|              | 10K           | B64  |
|              | 40K           | B65  |

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 25A          | 5K            | B66  |
|              | 10K           | B67  |
|              | 40K           | B68  |
| 32A          | 5K            | B69  |
|              | 10K           | B70  |
|              | 40K           | B71  |
| 40A          | 5K            | B72  |
|              | 10K           | B73  |
|              | 40K           | B74  |

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 50A          | 5K            | B75  |
|              | 10K           | B76  |
|              | 40K           | B77  |
| 65A          | 5K            | B78  |
|              | 10K           | B79  |
|              | 40K           | B80  |
| 80A          | 5K            | B81  |
|              | 10K           | B82  |
|              | 40K           | B83  |

- Note : 1 Flanged Connections as per BS / ANSI / DIN etc standards with or without Teflon protection can be provided on request.
- 2 Flange Finish shall be 125 - 250 AARH as a standard. For other finish, please consult factory.

#### As per ANSI B 16.5

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 1/2"         | 150           | B09  |
|              | 300           | B10  |
|              | 600           | B11  |
|              | 900           | B12  |
|              | 1500          | B13  |
|              | 2500          | B14  |
| 3/4"         | 150           | B15  |
|              | 300           | B16  |
|              | 600           | B17  |
|              | 900           | B18  |
|              | 1500          | B19  |
|              | 2500          | B20  |

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 1"           | 150           | B21  |
|              | 300           | B22  |
|              | 600           | B23  |
|              | 900           | B24  |
|              | 1500          | B25  |
| 1 1/4"       | 2500          | B26  |
|              | 150           | B27  |
|              | 300           | B28  |
|              | 600           | B29  |
|              | 900           | B30  |
|              | 1500          | B31  |
| 1 1/2"       | 2500          | B32  |

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 1 1/2"       | 150           | B33  |
|              | 300           | B34  |
|              | 600           | B35  |
|              | 900           | B36  |
|              | 1500          | B37  |
|              | 2500          | B38  |
| 2"           | 150           | B39  |
|              | 300           | B40  |
|              | 600           | B41  |
|              | 900           | B42  |
|              | 1500          | B43  |
|              | 2500          | B44  |

| NOMINAL SIZE | RATING /CLASS | CODE |
|--------------|---------------|------|
| 2 1/2"       | 150           | B45  |
|              | 300           | B46  |
|              | 600           | B47  |
|              | 900           | B48  |
|              | 1500          | B49  |
| 3"           | 2500          | B50  |
|              | 150           | B51  |
|              | 300           | B52  |
|              | 600           | B53  |
|              | 900           | B54  |
|              | 1500          | B55  |
| 3 1/2"       | 2500          | B56  |

#### As per BS - 10

| NOMINAL SIZE | TABLE | CODE |
|--------------|-------|------|
| 1/2"         | D     | B84  |
|              | E     | B85  |
|              | F     | B86  |
|              | H     | B87  |
|              | J     | B88  |
|              | K     | B89  |
| 3/4"         | D     | B90  |
|              | E     | B91  |
|              | F     | B92  |
|              | H     | B93  |
|              | J     | B94  |
|              | K     | B95  |

| NOMINAL SIZE | TABLE | CODE |
|--------------|-------|------|
| 1"           | D     | B96  |
|              | E     | B97  |
|              | F     | B98  |
|              | H     | B99  |
|              | J     | C01  |
|              | K     | C02  |
| 1 1/4"       | D     | C03  |
|              | E     | C04  |
|              | F     | C05  |
|              | H     | C06  |
|              | J     | C07  |
|              | K     | C08  |

| NOMINAL SIZE | TABLE | CODE |
|--------------|-------|------|
| 1 1/2"       | D     | C09  |
|              | E     | C10  |
|              | F     | C11  |
|              | H     | C12  |
|              | J     | C13  |
|              | K     | C14  |
| 2"           | D     | C15  |
|              | E     | C16  |
|              | F     | C17  |
|              | H     | C18  |
|              | J     | C19  |
|              | K     | C20  |

| NOMINAL SIZE | TABLE | CODE |
|--------------|-------|------|
| 2 1/2"       | D     | C21  |
|              | E     | C22  |
|              | F     | C23  |
|              | H     | C24  |
|              | J     | C25  |
|              | K     | C26  |
| 3"           | D     | C27  |
|              | E     | C28  |
|              | F     | C29  |
|              | H     | C30  |
|              | J     | C31  |
|              | K     | C32  |

| How To Order                                                                                                                         |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Example                                                |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|-----------|--------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|--------------------------|--|--|--|--|--|--|-------|-------|-------|-------|--------|--------|------|-----------|-----------|-----------|----------|----------|----------|----|-----------|-----------|----------|----------|----------|----|-----|-----------|-----------|----------|----------|----|----|----|
| Basic Model                                                                                                                          |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AP                                                     |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Code                                                                                                                                 |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Nominal Size                                                                                                                         |                                                         |           | F         | H                                          |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | X                                                      |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
|                                                                                                                                      |                                                         |           | 100 mm    | 150 mm                                     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Type of Mounting                                                                                                                     |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| 2                                                                                                                                    | Direct bottom entry                                     |           | 6         | 2" pipe / yoke mounting with bottom entry* |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | X                                                      |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| * MOC of bracket and 'U' clamp will be steel. Ask factory for drawings, if required.                                                 |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Top Chamber                                                                                                                          |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| XW                                                                                                                                   | AISI 304 SS (Standard)                                  |           | XY        | AISI 316 SS                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | XX                                                     |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Diaphragm                                                                                                                            |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| UL                                                                                                                                   | Hastelloy 'C'                                           |           | UM        | Monel                                      |                                              | UJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AISI 316L SS (Standard)                                | XX                    |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Bottom Chamber (* Refer Pressure v/s Temperature table below.)                                                                       |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| TK                                                                                                                                   | AISI 304 SS                                             |           | TZ        | PVC*                                       |                                              | <table><tr><th>MOC of Bottom Chamber</th><th colspan="6">Pressure V/S Temperature</th></tr><tr><th></th><th>20 °C</th><th>40 °C</th><th>60 °C</th><th>80 °C</th><th>100 °C</th><th>120 °C</th></tr><tr><td>PVDF</td><td>10 kg/cm²</td><td>10 kg/cm²</td><td>10 kg/cm²</td><td>7 kg/cm²</td><td>4 kg/cm²</td><td>2 kg/cm²</td></tr><tr><td>PP</td><td>10 kg/cm²</td><td>10 kg/cm²</td><td>6 kg/cm²</td><td>4 kg/cm²</td><td>1 kg/cm²</td><td>NA</td></tr><tr><td>PVC</td><td>10 kg/cm²</td><td>10 kg/cm²</td><td>4 kg/cm²</td><td>1 kg/cm²</td><td>NA</td><td>NA</td></tr></table> |                                                        | MOC of Bottom Chamber | Pressure V/S Temperature |  |  |  |  |  |  | 20 °C | 40 °C | 60 °C | 80 °C | 100 °C | 120 °C | PVDF | 10 kg/cm² | 10 kg/cm² | 10 kg/cm² | 7 kg/cm² | 4 kg/cm² | 2 kg/cm² | PP | 10 kg/cm² | 10 kg/cm² | 6 kg/cm² | 4 kg/cm² | 1 kg/cm² | NA | PVC | 10 kg/cm² | 10 kg/cm² | 4 kg/cm² | 1 kg/cm² | NA | NA | XX |
| MOC of Bottom Chamber                                                                                                                | Pressure V/S Temperature                                |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
|                                                                                                                                      | 20 °C                                                   | 40 °C     | 60 °C     | 80 °C                                      | 100 °C                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | 120 °C                |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| PVDF                                                                                                                                 | 10 kg/cm²                                               | 10 kg/cm² | 10 kg/cm² | 7 kg/cm²                                   | 4 kg/cm²                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | 2 kg/cm²              |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| PP                                                                                                                                   | 10 kg/cm²                                               | 10 kg/cm² | 6 kg/cm²  | 4 kg/cm²                                   | 1 kg/cm²                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | NA                    |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| PVC                                                                                                                                  | 10 kg/cm²                                               | 10 kg/cm² | 4 kg/cm²  | 1 kg/cm²                                   | NA                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | NA                    |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| TL                                                                                                                                   | AISI 316L SS                                            |           | UA        | PVDF*                                      |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| UH                                                                                                                                   | Titanium                                                |           | TY        | Polypropelene*                             |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| TT                                                                                                                                   | Hastelloy C                                             |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| TX                                                                                                                                   | Monel                                                   |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| TM                                                                                                                                   | AISI 316 SS (Standard)                                  |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Process Connection                                                                                                                   |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| 4NM                                                                                                                                  | ½" NPT (M) (Standard)                                   |           | 4TM       | ½" BSPT (M)                                |                                              | 3BM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3/8" BSP (M) (Except Option QS)                        | XXX                   |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| 4BM                                                                                                                                  | ½" BSP (M) (Standard)                                   |           | 4MM       | M20 x 1.5 (M)                              |                                              | Flanged*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Refer Flange Table with ordering code on previous page |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc. can be provided on request. * ask factory for drawings, if required. |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Range                                                                                                                                |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Refer range table                                                                                                                    |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0/250 mmWC                                             |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| Optional extras                                                                                                                      |                                                         |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| PW                                                                                                                                   | Five point calibration certificate                      |           |           | QS                                         | PTFE lining on flange or screwed connection* |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | XX                    |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| RH                                                                                                                                   | Custom designed dial                                    |           |           | ZT                                         | Silver protection on diaphragm               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| RX                                                                                                                                   | Shatterproof / safety glass                             |           |           | QU                                         | PTFE protection on diaphragm**               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| RZ                                                                                                                                   | Toughened glass                                         |           |           | VZ                                         | PTFE coating on diaphragm                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| SW                                                                                                                                   | Dial tag marking                                        |           |           | VI                                         | PTFE gasket upto 200°C                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| SX                                                                                                                                   | SS tag plate                                            |           |           | SD                                         | AISI 316 SS movement                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| YF                                                                                                                                   | Top chamber in AISI 316 SS                              |           |           | PS                                         | AISI 316 SS case & bezel                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| SG                                                                                                                                   | Oxygen service                                          |           |           | GH                                         | Material test certificates#                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| JU                                                                                                                                   | 2" pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS) |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |
| FN                                                                                                                                   | 2" pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS) |           |           |                                            |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                       |                          |  |  |  |  |  |  |       |       |       |       |        |        |      |           |           |           |          |          |          |    |           |           |          |          |          |    |     |           |           |          |          |    |    |    |

\* For screwed connection, bore diameter will be minimum 10 mm. \*\* Suitable for Pressure Ranges only.

# Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

### Electric contacts (Except option RX & RZ) (CE & Atex Approved)

(with ingress protection upto IP 55 & for pressure ranges from 6000 mmWC to 10 kg/cm<sup>2</sup>)

### Inductive type (220 V AC, 0.4 Amp.)

|           |                                                       |           |                                |
|-----------|-------------------------------------------------------|-----------|--------------------------------|
| <b>YX</b> | Double; normally closed + normally open (1 NC + 1 NO) | <b>YW</b> | Single; NORMALLY OPEN (1 NO)   |
| <b>ZA</b> | Double; normally open + normally closed (1 NO + 1 NC) | <b>YV</b> | Single; NORMALLY CLOSED (1 NC) |
| <b>YY</b> | Double; normally open (both NO)                       |           |                                |
| <b>YZ</b> | Double; normally closed (both NC)                     |           |                                |

Note: the scale amplitude will be in between 180° to 270° & window shall be polycarbonate dome.

**Ordering Example: AP . X . X . XX . XX . XXX . 0/250 mmWC . XX . XX**

For non standard products/optional items, please contact factory for delivery and minimum quantity of order.

Refer Datasheet EE for selection of Flushing Rings.

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.