



| DN  | L   |     | H (open) | H1 (close) | f    | d   | ØW   | FLANGED ENDS TO PN10 |     |     |      |      | FLANGED ENDS TO 150#* |      |     |      |       | Approx. Weight |      |    |
|-----|-----|-----|----------|------------|------|-----|------|----------------------|-----|-----|------|------|-----------------------|------|-----|------|-------|----------------|------|----|
|     | BS  | DIN |          |            |      |     |      | ØD                   | C   | ØR  | nxØd | K    | ØD                    | C    | ØR  | nxØd | K     | BS             | DIN  |    |
| 15  | 114 | 130 | 109      | 103        | 3    | 52  | 100  | 95                   | 14  | 45  | 4x14 | 65   | 89                    | 11,5 | 35  | 4x16 | 60,3  | 3,2            | 3,5  |    |
| 20  | 123 | 150 | 120      | 112        |      | 67  | 120  | 105                  | 16  | 58  | 4x14 | 75   | 98                    | 11,5 | 43  | 4x16 | 69,8  | 3,4            | 3,7  |    |
| 25  | 133 | 160 | 149      | 139        |      | 75  | 120  | 115                  | 16  | 68  | 4x14 | 85   | 108                   | 11,5 | 51  | 4x16 | 79,4  | 4,7            | 5    |    |
| 32  | 152 | 180 | 162      | 151        |      | 88  | 120  | 140                  | 18  | 78  | 4x18 | 100  | 117                   | 13   | 64  | 4x16 | 88,9  | 7              | 8,2  |    |
| 40  | 165 | 200 | 175      | 155        |      | 110 | 120  | 150                  | 18  | 88  | 4x18 | 110  | 127                   | 14,5 | 73  | 4x16 | 98,4  | 8,5            | 9,5  |    |
| 50  | 196 | 230 | 190      | 166        |      | 127 | 164  | 165                  | 20  | 102 | 4x18 | 125  | 152                   | 16   | 92  | 4x19 | 120,6 | 12             | 13,3 |    |
| 65  | 222 | 290 | 253      | 218        |      | 146 | 220  | 185                  | 20  | 122 | 4x18 | 145  | 178                   | 17,5 | 105 | 4x19 | 139,7 | 22             | 22,5 |    |
| 80  | 260 | 310 | 243      | 203        |      | 190 | 240  | 200                  | 22  | 138 | 8x18 | 160  | 191                   | 19,5 | 127 | 4x19 | 152,4 | 26             | 28,5 |    |
| 100 | 313 | 350 | 327      | 276        |      | 4   | Ø230 | 270                  | 220 | 24  | 158  | 8x18 | 180                   | 229  | 24  | 157  | 8x19  | 190,5          | 38   | 40 |
| 125 | 364 | 400 | 392      | 328        |      |     | Ø265 | 270                  | 250 | 26  | 188  | 8x18 | 210                   | 254  | 24  | 186  | 8x22  | 215,9          | 54   | 57 |
| 150 | 414 | 480 | 462      | 384        | Ø320 |     | 360  | 285                  | 26  | 212 | 8x22 | 240  | 279                   | 25,5 | 216 | 8x22 | 241,3 | 76             | 81   |    |

\*Unless specific agreement with COMEVAL, valves with flanges 150# will be usually supplied as EN/DIN flanges with 150# drilling, since pressure is limited to EN/DIN / Salvo acuerdo específico con COMEVAL, las válvulas con bridas 150# se suelen ofrecer de acuerdo a EN/DIN taladradas según 150#, puesto que la presión viene limitada por EN/DIN

Dimensions in mm. subject to manufacturing tolerance. Dimensiones en mm. sujetas a tolerancias de fabricación.

| NO.             | PART/PARTE                                        | QTY Nos | MATERIAL                                                |                                                                                                         |
|-----------------|---------------------------------------------------|---------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1               | BODY/ CUERPO                                      | 01      | Nodular Iron / Fundición Nodular (GGG40.3)              |                                                                                                         |
| 1A              | LINING/ REVESTIMIENTO                             | -       | PF                                                      | PFA                                                                                                     |
|                 |                                                   |         | ET                                                      | ETFE                                                                                                    |
|                 |                                                   |         | FE                                                      | FEP                                                                                                     |
| 2               | DIAPHRAGM + BACKING / DIAFRAGMA                   | 01      | RUBBER                                                  | Natural (D10) / EPDM (D20) / Butyl (D30) / Nitrile (D40) / Neoprene (D50) / Hypalon (D60) / Viton (D70) |
|                 |                                                   |         |                                                         | PTFE + EPDM (D92) / PTFE + Butyl (D93) / PTFE + Viton (D97)                                             |
| 3               | COMPRESSOR/ COMPRESOR                             | 01      | Cast Steel/Acero Fundido A216 Gr.WCB                    |                                                                                                         |
| 4               | BONNET/ BONETE                                    | 01      | Cast Steel/Acero Fundido A216 Gr.WCB                    |                                                                                                         |
| 5               | SPINDLE/ EJE                                      | 01      | Cast Steel PTFE coated/ Acero Fundido revestido de PTFE |                                                                                                         |
| 6               | HANDWHEEL/ VOLANTE                                | 01      | Cast Steel/Acero Fundido A216 Gr.WCB                    |                                                                                                         |
| 7               | H/W DOWEL PIN/ PASADOR VOLANTE                    | 01      | Spring steel/Acero de muelle                            |                                                                                                         |
| 8               | BODY STUDS/ PERNOS DEL CUERPO                     | *       | St. Steel/Acero Inox.                                   |                                                                                                         |
| 9               | BODY NUTS/ TUERCAS DEL CUERPO                     | *       | St. Steel/Acero Inox.                                   |                                                                                                         |
| 12              | POSITION INDICATOR SLEEVE / INDICADOR DE POSICIÓN | 01      | HDPE                                                    |                                                                                                         |
| 13 <sup>1</sup> | COMPRESSION SPRING / MUELLE COMPRESOR             | 01      | St. Steel/Acero inox.                                   |                                                                                                         |

\*: SIZE DN15 TO DN80: 4Nos  
 SIZE DN100 & DN125: 8Nos  
 SIZE DN150: 10Nos

<sup>1</sup>: For valves up to DN50

The information in this Drawing is an extract from Data Sheet DS13. Please refer to the Data Sheet for further details. Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es. El contenido de este plano es un extracto de la Hoja de Datos DS13. Referirse a la misma para más información. Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es.

### MAIN FEATURES/PRINCIPALES ATRIBUTOS

- Valve Design/ Diseño: EN 13397
- Nominal Pressure/ Presión nominal: Rubber Diaph. - 16 bar (DN15-50), 10 bar (DN65-150); PTFE Diaph. - 10 bar (DN15-125), 6 bar (DN150)
- Face to face length/ Longitud entre caras: EN558 Series 1 (DIN 3202F1) or EN558 Series 7 (BS1516)
- Valve end connections/ Conexiones: Flanged to EN1092-2 type 21/B, PN10/16 (DN15-150) (valves DN65 with 4 holes as accepted variant in standard)
- Marking/ Marcado: EN19
- Pressure Tests/ Pruebas de presión: EN12266-1
- Seat leakage rate/ Tasa de fuga al cierre: Rate A (full seat tightness in both directions)
- Primer paint layer black color/ Recubrimiento de pintura, color negro mate

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY I/  
 PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA I

|                   |                       |                                                                                          |                   |
|-------------------|-----------------------|------------------------------------------------------------------------------------------|-------------------|
| Customer/Cliente  | Project/Proyecto      | Description/Descripción                                                                  |                   |
| -                 | -                     | <b>DIAVAL</b>                                                                            |                   |
| Your Ref./Su Ref. | Our Ref./Nuestra Ref. | WEIR TYPE DIAPHRAGM VALVES<br>FLUOROPOLYMER LINED WITH FLANGED ENDS                      |                   |
| -                 | -                     | VÁLVULA DE DIAFRAGMA DE PASO<br>ONDULADO CON REVESTIMIENTO DE<br>FLUOROPOLÍMERO Y BRIDAS |                   |
|                   | Rev. 1                | Rev. 2                                                                                   | Rev. 3            |
| Date/Fecha        | 05/03/2018            |                                                                                          |                   |
| Name/Nombre       | CR                    |                                                                                          |                   |
|                   |                       | Drawn/Dibujado                                                                           | Approved/Aprobado |
|                   |                       | EH                                                                                       | JG                |
|                   |                       | Checked/Comprob.                                                                         | Date/Fecha        |
|                   |                       | DT                                                                                       | 12/08/2014        |
|                   |                       | Drawing N°/Plano N°                                                                      |                   |
|                   |                       | <b>GD09_WFP</b>                                                                          |                   |