

## ARTICULO: 2119

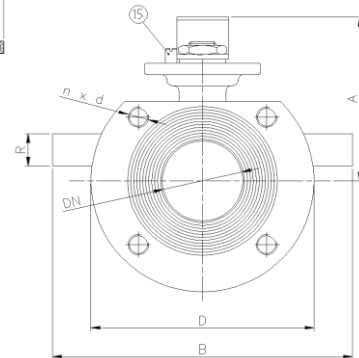
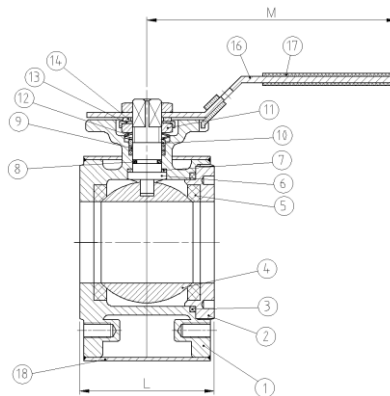
### Válvula de esfera inox paso total tipo Wafer c/ cámara de calefacción *Stainless steel full port ball valve w/ heating jacket, Wafer Type*

#### Características

1. Válvula esfera paso total tipo wafer
2. Montaje entre bridas EN 1092 PN16.
3. Construcción en acero inox. 1.4408 (CF8M).
4. Asientos PTFE + 15 % F.V.  
(otro material consultar)
5. Tórica en el eje de FPM (Viton).
6. Vástago Inexpulsable.
7. Montaje actuador directo según ISO 5211.
8. Sistema de bloqueo incorporado.
9. Presión de trabajo máxima 16 bar.
10. Temperatura de trabajo  $-25\text{ }^{\circ}\text{C} + 180\text{ }^{\circ}\text{C}$ .

#### Features

1. Full port ball valve, Wafer type.
2. Assembly between flanges EN 1092 PN16.
3. Made of stainless steel 1.4408 (CF8M).
4. Ball seats PTFE + 15 % FG.  
(please ask for other materials)
5. O'ring in the stem FPM (Viton).
6. Blow – out proof stem.
7. Direct mounting actuator acc. to ISO 5211.
8. Block System included.
9. Max. Working pressure 16 bar.
10. Working Temperature  $-25\text{ }^{\circ}\text{C} + 180\text{ }^{\circ}\text{C}$ .

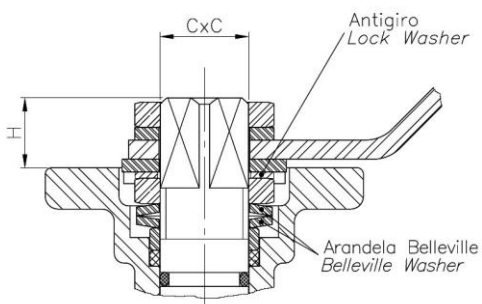


| Nº | Denominación / Name              | Material                             | Acabado Superficial / Surface Treatment | Cód. Recambio Spare Part Code |
|----|----------------------------------|--------------------------------------|---|-------------------------------|
| 1  | Cuerpo / Body                    | Acero Inox. / Stainless Steel 1.4408 | Decapado / Shot Blasting + Pickling     | -----                         |
| 2  | Tapón / Plug                     | Acero Inox. / Stainless Steel 1.4408 | Decapado / Shot Blasting + Pickling     | -----                         |
| 3* | Juntas / Gasket                  | PTFE                                 | -----                                   | 2818                          |
| 4  | Bola / Ball                      | Acero Inox. / Stainless Steel 1.4408 | Pulido / Polished                       | -----                         |
| 5* | Asiento / Ball Seat              | PTFE + 15 % F.V. / PTFE + 15 % FG    | -----                                   | 2818                          |
| 6  | Eje / Stem                       | Acero Inox. / Stainless Steel 1.4401 | -----                                   | -----                         |
| 7* | Arandela / Thrust Washer         | PTFE                                 | -----                                   | 2818                          |
| 8* | Tórica / O-ring                  | FPM (Viton)                          | -----                                   | 2818                          |
| 9* | Empaquetadura / Packing          | PTFE                                 | -----                                   | 2818                          |
| 10 | Prensa / Gland                   | Acero Inox. / Stainless Steel 1.4301 | -----                                   | -----                         |
| 11 | Tuerca / Nut                     | Acero Inox. / Stainless Steel 1.4301 | -----                                   | -----                         |
| 12 | Arandela Resorte / Spring washer | Acero Inox. / Stainless Steel 1.4301 | -----                                   | -----                         |
| 13 | Antigiro / Lock Washer           | Acero Inox. / Stainless Steel 1.4301 | -----                                   | -----                         |

|    |                       |                                      |       |       |
|----|-----------------------|--------------------------------------|-------|-------|
| 14 | Arandela / Washer     | Acero Inox. / Stainless Steel 1.4301 | ----- | ----- |
| 15 | Tope / Stop Pin       | Acero Inox. / Stainless Steel 1.4301 | ----- | ----- |
| 16 | Maneta / Handle       | Acero Inox. / Stainless Steel 1.4301 | ----- | ----- |
| 17 | Funda / Plastic Cover | Vynil                                | ----- | ----- |
| 18 | Camisa / Jacket       | Acero Inox. / Stainless Steel 1.4301 | ----- | ----- |

\* Piezas de recambio disponibles / Available spare parts

## Detalle de la zona del Eje / Stem detail



**Antigiro / Lock Washer:** Previene el desajuste de la tuerca del eje en elevados ciclos de maniobra / Prevents unthreading of stem nut in high cycle automation applications.

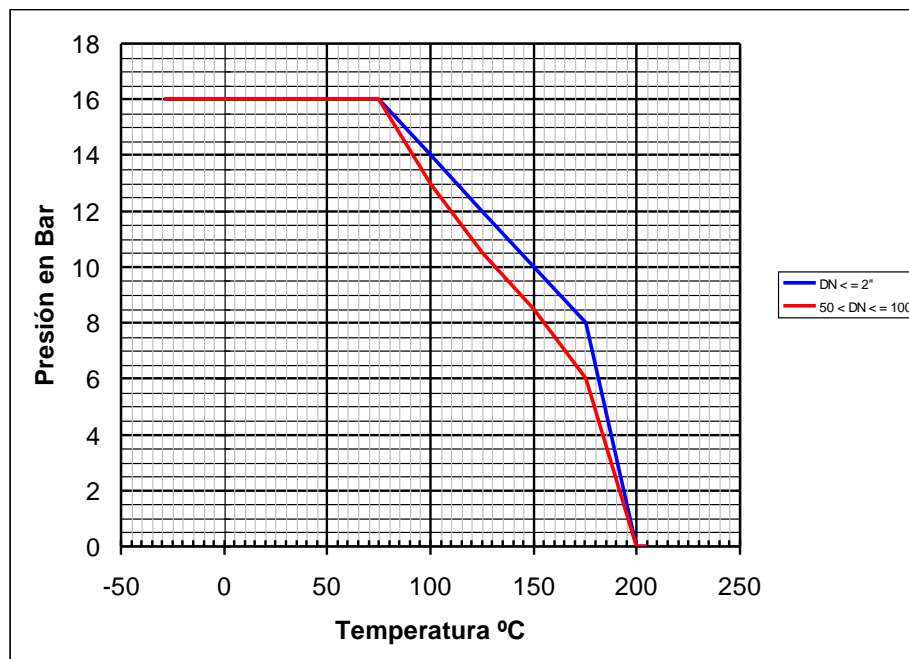
**Arandela Belleville / Belleville Washer:** Las arandelas belleville proporcionan una carga constante sobre el prensa asegurando un cierre firme en variaciones de condiciones de trabajo. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying service parameters.

## DIMENSIONES GENERALES / GENERAL DIMENSIONS

| Ref.    | DN  | PN | Assembly Holes (n x d) | ØD  | Dimensiones / Dimensions (mm) |     |     |     |                     | Peso / Weight (Kg) |
|---------|-----|----|------------------------|-----|-------------------------------|-----|-----|-----|---------------------|--------------------|
|         |     |    |                        |     | A                             | L   | M   | B   | R                   |                    |
| 2119 04 | 15  | 16 | 4 x M12                | 95  | 85                            | 36  | 115 | 150 | R <sub>p</sub> 3/4" | 1,340              |
| 2119 05 | 20  | 16 | 4 x M12                | 105 | 90                            | 38  | 115 | 160 | R <sub>p</sub> 3/4" | 1,710              |
| 2119 06 | 25  | 16 | 4 x M12                | 115 | 95                            | 50  | 170 | 170 | R <sub>p</sub> 3/4" | 2,450              |
| 2119 07 | 32  | 16 | 4 x M16                | 140 | 100                           | 53  | 170 | 190 | R <sub>p</sub> 3/4" | 3,800              |
| 2119 08 | 40  | 16 | 4 x M16                | 150 | 105                           | 65  | 210 | 200 | R <sub>p</sub> 3/4" | 4,950              |
| 2119 09 | 50  | 16 | 4 x M16                | 165 | 115                           | 78  | 210 | 210 | R <sub>p</sub> 3/4" | 6,800              |
| 2119 10 | 65  | 16 | 4 x M16                | 185 | 130                           | 98  | 260 | 235 | R <sub>p</sub> 3/4" | 10,400             |
| 2119 11 | 80  | 16 | 8 x M16                | 200 | 145                           | 118 | 260 | 250 | R <sub>p</sub> 3/4" | 14,800             |
| 2119 12 | 100 | 16 | 8 x M16                | 220 | 175                           | 140 | 260 | 270 | R <sub>p</sub> 3/4" | 19,900             |

| Ref     | Medida/<br>Size | PN | Dimensiones / Dimensions (mm) |         |           |
|---------|-----------------|----|-------------------------------|---------|-----------|
|         |                 |    | H                             | C x C   | ISO 5211  |
| 2119 04 | 1/2"            | 16 | 10                            | 9 x 9   | F03 / F04 |
| 2119 05 | 3/4"            | 16 | 10                            | 9 x 9   | F03 / F04 |
| 2119 06 | 1"              | 16 | 10                            | 11 x 11 | F04 / F05 |
| 2119 07 | 1 ¼"            | 16 | 12.5                          | 11 x 11 | F04 / F05 |
| 2119 08 | 1 ½"            | 16 | 14.5                          | 14 x 14 | F05 / F07 |
| 2119 09 | 2"              | 16 | 14                            | 14 x 14 | F05 / F07 |
| 2119 10 | 2 ½"            | 16 | 17                            | 17 x 17 | F07 / F10 |
| 2119 11 | 3"              | 16 | 16                            | 17 x 17 | F07 / F10 |
| 2119 12 | 4"              | 16 | 19                            | 17 x 17 | F07 / F10 |

## CURVA PRESIÓN TEMPERATURA / PRESSURE TEMPERATURE RATING



### VALORES DE Kv / Kv VALUES

$K_v$  = Es la cantidad de metros cúbicos por hora ( $m^3/h$ ) que pasará a través de la válvula generando una pérdida de carga de 1 bar.

$K_v$  = Flow rate of water in cubic meter per hour ( $m^3/h$ ) that will generate a pressure drop of 1 bar across the valve.

| 1/2" | 3/4" | 1" | 1 ¼" | 1 ½" | 2"  | 2 ½" | 3"   | 4"   |
|------|------|----|------|------|-----|------|------|------|
| 24   | 43   | 83 | 130  | 205  | 340 | 520  | 1100 | 1820 |