

# VÁLVULAS DE BOLA / BALL VALVES

## VÁLVULA DE BOLA ALTAS PRESTACIONES. A.INOX PN-16. BRIDAS DIN PN-16 2 PIECES HIGH PERFORMANCE BALL VALVE S.STEEL. PN16. FLANGED DIN PN16

**TECFLW®**

**TF-BVSS-F16-HP**



CE



### UTILIZACIÓN / APPLICATION :

Aplicaciones en industrias químicas, petroquímicas, calefacción, agua, inst. hidráulicas, aire comprimido.  
Chemical and petrochemical industries. Hydraulic installations. Heating, water distribution, compressed air.

### CARACTERÍSTICAS GENERALES / GENERAL CHARACTERISTICS :

Paso total / Full Bore.  
Eje anti-expulsión / Anti blow-out stem.  
Montaje ISO 5211 / ISO 5211 Mounting pad.  
Cuerpo de 2 piezas / Split body type.  
Dispositivo antiestático / Anti Static device.

### NORMATIVAS / STANDARDS :

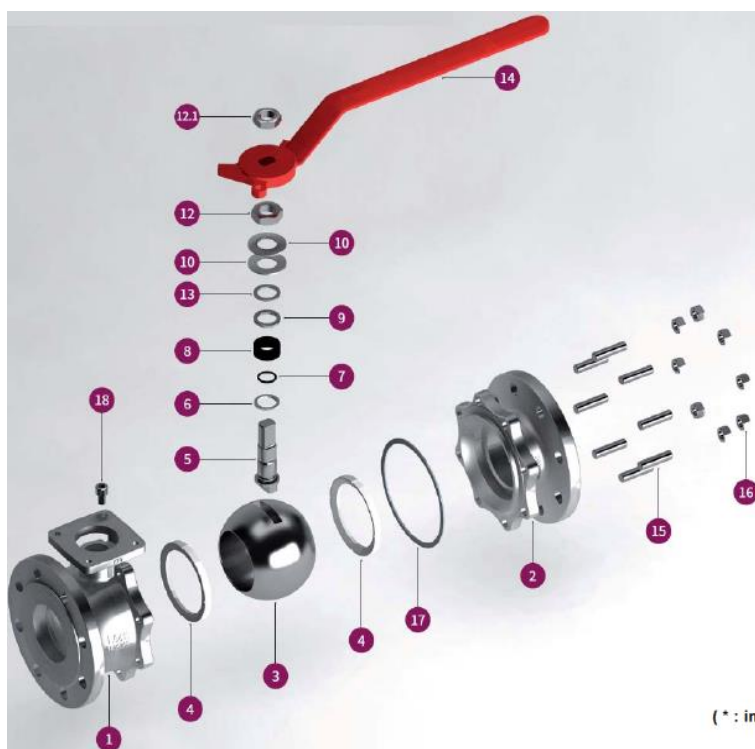
Fabricación / Manufacture according to ISO 9001:2015.  
Diseño / Design according to EN 1983-ISO 17292.  
Marcado / Marking according to EN 19.  
Directiva CE / Directive 2014/68/EU: CE No. 0035 Risk Category III Module H.  
Pruebas de presión / Pressure Tests according to EN 12266-1 Rate A.  
Bridas RF / RF Flanged ends according to EN 1092-1 PN16.

### CONDICIONES DE SERVICIO / WORKING CONDITIONS :

Máxima presión de trabajo / Maximum Working Pressure : 40 bar hasta DN50, 16 bar desde DN65.  
Temperatura máxima de trabajo / Maximum Working Temperature : - 20 °C / + 230 °C.  
Vacío / Vacuum : 10<sup>2</sup> torr.  
Aire comprimido (Temp. Ambiente) / Compressed Air (Ambient temp.) : 8 bars maximum.  
Vapor / Steam : 12 bars maximum.

### MATERIALES / CONSTRUCTION :

| No.  | Pieza<br>Part                                 | Material<br>Material                    |
|------|-----------------------------------------------|-----------------------------------------|
| 1    | Cuerpo<br>Body                                | A.Inox EN 1.4408<br>S.Steel EN 1.4408   |
| 2    | Terminales<br>Ends                            | A.Inox EN 1.4408<br>S.Steel EN 1.4408   |
| 3    | Bola<br>Ball                                  | A.Inox CF8M (316)<br>S.Steel CF8M (316) |
| 4 *  | Asiento<br>Seat                               | Pure PTFE TFM 1600                      |
| 5    | Eje<br>Stem                                   | A.Inox AISI316<br>S.Steel 316           |
| 6 *  | Junta Eje<br>Stem thrust seal                 | PTFE + 25% Glass                        |
| 7 *  | Junta Tórica Eje<br>Stem O'ring               | FKM                                     |
| 8 *  | Empaquetadura<br>Gland Packing                | Graphite                                |
| 9    | Junta Tórica<br>O ring                        | FKM                                     |
| 9    | Prensa<br>Gland                               | A.Inox AISI303<br>S.Steel 303           |
| 10   | Anillo Elástico<br>Elastic Ring               | Inconel 718                             |
| 12   | Tuerca Prensa<br>Gland nut                    | A.Inox AISI303<br>S.Steel 303           |
| 12,1 | Tuerca Palanca<br>Handle Nut                  | A.Inox AISI303<br>S.Steel 303           |
| 13   | Arandela anti-fricción<br>Antifriction washer | PTFE + 25% Glass                        |
| 14   | Maneta<br>Handle                              | Fundición Dúctil<br>Nodular Iron        |
| 15   | Perno<br>Stud                                 | A 193 Gr.B7M                            |
| 16   | Tuerca<br>Nut                                 | A 194 Gr.2HM                            |
| 17 * | Espirometálica<br>Spiral wound gasket         | SS316L + PTFE + Graphite                |
| 18   | Tomillo<br>Bolt                               | A2                                      |
| 19   | Arandela<br>Spring Washer                     | A.Inox AISI304<br>S.Steel 304           |
| 20   | Bloqueo palanca<br>Locking Device             | A.Inox AISI304<br>S.Steel 304           |



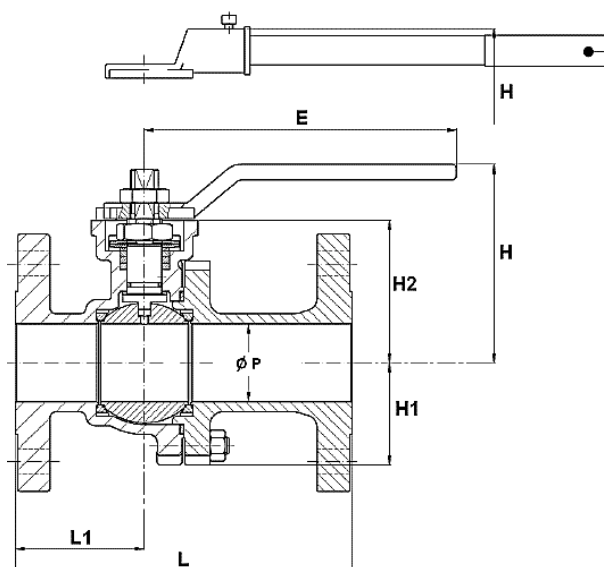
(\* : included in gaskets kit)

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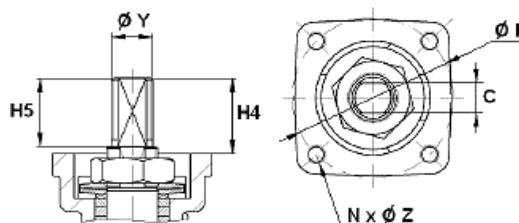
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ISO 5211 Y EJE / ISO MOUNTING PAD & STEM SIZE:



## DIMENSIONES / DIMENSIONS:

| DN<br>ND | ØP  | L   | L1  | E   | H    | H1  | H2   | H4 | H5   | C  | ØY  | ØK  | N x ØZ  | ISO<br>5211 | Par<br>Torque Nm | Peso<br>Weight |
|----------|-----|-----|-----|-----|------|-----|------|----|------|----|-----|-----|---------|-------------|------------------|----------------|
| 15       | 15  | 115 | 53  | 170 | 68   | 31  | 41   | 18 | 11   | 7  | M10 | 50  | 4 X M6  | F 05        | 8                | 2,40           |
| 20       | 20  | 120 | 52  | 170 | 70   | 33  | 43   | 18 | 11   | 7  | M10 | 50  | 4 X M6  | F 05        | 12               | 3,20           |
| 25       | 25  | 125 | 52  | 170 | 86   | 39  | 58,5 | 22 | 21   | 8  | M12 | 50  | 4 X M6  | F 05        | 14               | 4,10           |
| 32       | 32  | 130 | 54  | 170 | 89,5 | 43  | 63,5 | 22 | 21   | 8  | M12 | 50  | 4 X M6  | F 05        | 22               | 5,80           |
| 40       | 40  | 140 | 55  | 215 | 123  | 48  | 86,5 | 33 | 32   | 12 | M18 | 70  | 4 X M8  | F 07        | 27               | 8,10           |
| 50       | 50  | 150 | 61  | 215 | 128  | 63  | 91,5 | 33 | 32   | 12 | M18 | 70  | 4 X M8  | F 07        | 50               | 10,60          |
| 65       | 65  | 170 | 72  | 335 | 140  | 78  | 104  | 34 | 33   | 15 | M22 | 70  | 4 X M8  | F 07        | 51               | 13,30          |
| 80       | 78  | 180 | 73  | 430 | 190  | 87  | 119  | 34 | 33   | 15 | M22 | 102 | 4 X M10 | F 10        | 77               | 19,10          |
| 100      | 100 | 190 | 83  | 466 | 193  | 108 | 144  | 45 | 43,5 | 19 | M28 | 102 | 4 X M10 | F 10        | 116              | 25,60          |
| 125      | 125 | 325 | 120 | 680 | 240  | 134 | 184  | 56 | 54,5 | 24 | M36 | 125 | 4 X M12 | F 12        | 159              | 47,60          |
| 150      | 151 | 350 | 135 | 680 | 259  | 152 | 203  | 56 | 54,5 | 24 | M36 | 125 | 4 X M12 | F 12        | 215              | 63,50          |
| 200      | 203 | 400 | 200 | 845 | 319  | 202 | 250  | 69 | 67   | 32 | M48 | 140 | 4 X M16 | F 14        | 493              | 115,30         |

DIAGRAMA PRESIÓN-TEMPERATURA (VAPOR EXCLUIDO) / PRESSURE-TEMPERATURE CHART (STEAM EXCLUDED):

