

# VÁLVULAS DE MARIPOSA / BUTTERFLY VALVES

## VÁLVULA DE MARIPOSA BRIDAS TF-BFV-FS20 PN16 BRIDAS DIN PN-10/16 FLANGED BUTTERFLY VALVE TF-BFV-FS20 NP16 FLANGES DIN NP-10/16



**TECFLOW**

**TF-BFV-FS20**



### UTILIZACIÓN / APPLICATION :

Aplicaciones de climatización, servicios de aguas, industria, etc.  
Water, HVAC installations, pressurized air, industry, etc.

### CARACTERÍSTICAS GENERALES / GENERAL CHARACTERISTICS :

Válvulas de disco concéntrico / Concentric Disc Valves .

Rango desde DN50 hasta DN1200 / Range from ND50 up to ND1200 .

Cierre bidireccional / Tightness in both ways.

Eje de una pieza. Evita roturas por golpe de ariete / One-piece shaft. Avoid breakage due to water hammer.

No necesita juntas para su instalación / Does not need joints for installation.

Baja pérdida de carga / Low head loss.

Brida superior ISO 5211 / Top Flange according to ISO 5211.

Pintura epoxi 250 micras / Epoxy paint 250 microns RAL5017 .

### NORMATIVAS / STANDARDS :

Diseño / Design : EN 1074-2

Distancia entre caras / Face to Face : EN 558-1 Serie 20.

Montaje entre bridas / Mounting between flanges : PN10 / PN16 EN 1092-2.

Pruebas de presión / Pressure Test : EN 12266-1, DIN 3230, BS6755 y ISO 5208:

Cuerpo / Body : 24 bar. Asiento / Seat : 17,6 bar.

Fabricación según requerimientos de la Directiva europea 2014/68/UE "Equipos a Presión" Módulo H

Manufacture acc. to the requirements of the EU directive 2014/68/EU Equipments under pressure: mod. H.



### CONDICIONES DE SERVICIO (EPDM) / WORKING CONDITIONS (EPDM):

Máxima presión de trabajo / Maximum Working Pressure : 16 bar.

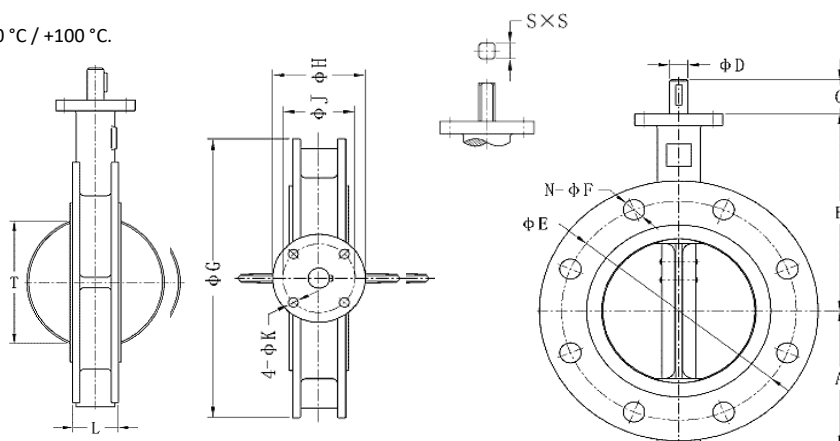
Temperatura máxima de trabajo / Maximum Working Temperature : -10 °C / +100 °C.

Pico de Temperatura / Peak Temperature : -15 °C / 120 °C.

### MATERIALES / CONSTRUCTION :

| No. | Pieza<br>Part        | Material<br>Material                  | Opciones<br>Options                       |
|-----|----------------------|---------------------------------------|-------------------------------------------|
| 1   | Eje<br>Stem          | A.Inox AISI420<br>S.Steel 420         | A.Inox AISI316 / 416<br>S.Steel 316 / 416 |
| 2   | Cuerpo<br>Body       | F.Ductil GJS400<br>D.Iron GJS400      |                                           |
| 3   | Disco (*)<br>Disc    | F.Ductil GJS400<br>D.Iron GJS400      | A.Inox AISI316<br>S.S. 316                |
| 4   | Asiento<br>Seat      | EPDM                                  | NBR / PTFE / VITON                        |
| 5   | Tapa<br>End cap      | F.Ductil GJS400<br>D.Iron GJS400      |                                           |
| 6   | Tornillos<br>Bolts   | Acero Cincado<br>Zinc Plated Steel    | A.Inox A2 (304)<br>S.Steel A2             |
| 7   | Pasador<br>Taper Pin | A.Inox AISI304<br>S.Steel. 304        | A.Inox AISI316<br>S.Steel 316             |
| 8   | Junta<br>O-Ring      | NBR                                   | EPDM / VITON                              |
| 9   | Cojinete<br>Bushing  | Bronce lubricado<br>Lubricated Bronze |                                           |
| 10  | Chaveta<br>Key       | Acero Carbono<br>Carbon Steel         |                                           |

(\*) Disponible en A.Inox 316L y Bronce-Aluminio / Available in SS 316L & Alu-Bronze.



### DIMENSIONES / DIMENSIONS :

| DN<br>ND | A   | B   | C   | D    | E    |      | N-F   |       | G    |      | H   | J   | I-K    | L   | T    | Peso<br>Weight |
|----------|-----|-----|-----|------|------|------|-------|-------|------|------|-----|-----|--------|-----|------|----------------|
|          |     |     |     |      | PN10 | PN16 | PN10  | PN16  | PN10 | PN16 |     |     |        |     |      |                |
| 50       | 76  | 162 | 32  | 12,7 | 125  | 125  | 4-18  | 4-18  | 165  | 165  | 65  | 50  | 4-7    | 42  | 32   | 8              |
| 65       | 80  | 174 | 32  | 12,7 | 145  | 145  | 4-18  | 4-18  | 185  | 185  | 65  | 50  | 4-7    | 45  | 47   | 8,5            |
| 80       | 90  | 181 | 32  | 12,7 | 160  | 160  | 4-18  | 4-18  | 200  | 200  | 65  | 50  | 4-7    | 45  | 65   | 9              |
| 100      | 110 | 200 | 32  | 15,9 | 180  | 180  | 8-18  | 8-18  | 220  | 220  | 90  | 70  | 4-9,5  | 52  | 90   | 11,5           |
| 125      | 125 | 213 | 32  | 19,1 | 210  | 210  | 8-18  | 8-18  | 250  | 250  | 90  | 70  | 4-9,5  | 54  | 111  | 14             |
| 150      | 143 | 225 | 32  | 19,1 | 240  | 240  | 8-22  | 8-22  | 285  | 285  | 90  | 70  | 4-9,5  | 56  | 145  | 19             |
| 200      | 175 | 260 | 38  | 22,2 | 295  | 295  | 8-22  | 12-22 | 340  | 340  | 125 | 102 | 4-11,5 | 60  | 193  | 33             |
| 250      | 203 | 292 | 38  | 28,6 | 350  | 355  | 12-22 | 12-26 | 395  | 405  | 125 | 102 | 4-11,5 | 66  | 241  | 44             |
| 300      | 245 | 337 | 38  | 31,8 | 400  | 410  | 12-22 | 12-26 | 445  | 460  | 125 | 102 | 4-11,5 | 77  | 292  | 66             |
| 350      | 277 | 368 | 45  | 31,8 | 460  | 470  | 16-22 | 16-26 | 505  | 520  | 125 | 102 | 4-11,5 | 77  | 325  | 70             |
| 400      | 308 | 400 | 51  | 33,3 | 515  | 525  | 16-26 | 16-30 | 565  | 580  | 210 | 165 | 4-22   | 86  | 380  | 120            |
| 450      | 342 | 422 | 51  | 38,1 | 565  | 585  | 20-26 | 20-30 | 615  | 640  | 210 | 165 | 4-22   | 105 | 428  | 150            |
| 500      | 374 | 479 | 64  | 41,3 | 620  | 650  | 20-26 | 20-33 | 670  | 715  | 210 | 165 | 4-22   | 130 | 474  | 170            |
| 600      | 459 | 562 | 70  | 50,8 | 725  | 770  | 20-30 | 20-36 | 780  | 840  | 210 | 165 | 4-22   | 152 | 575  | 235            |
| 700      | 520 | 624 | 72  | 55   | 840  | 840  | 24-30 | 24-36 | 895  | 910  | 300 | 254 | 8-18   | 165 | 674  | 470            |
| 800      | 575 | 672 | 72  | 55   | 950  | 950  | 24-33 | 24-39 | 1015 | 1025 | 300 | 254 | 8-18   | 190 | 771  | 600            |
| 900      | 635 | 768 | 77  | 75   | 1050 | 1050 | 28-33 | 28-39 | 1115 | 1125 | 300 | 254 | 8-18   | 207 | 839  | 730            |
| 1000     | 685 | 823 | 85  | 85   | 1160 | 1170 | 28-36 | 28-42 | 1230 | 1255 | 300 | 254 | 8-18   | 216 | 939  | 964            |
| 1200     | 839 | 940 | 150 | 92   | 1380 | 1390 | 32-39 | 32-48 | 1455 | 1485 | 350 | 298 | 8-22   | 276 | 1125 | 1486           |

