

# VÁLVULAS DE EQUILIBRADO / BALANCING VALVES

## VÁLVULA DE EQUILIBRADO TA PN25 STAD ROSCADA TA BALANCING VALVE STAD NP25 THREADED.

**TECFLOW®**

**TF-STAD**



### UTILIZACIÓN / APPLICATION :

Las válvulas de equilibrado STAD tienen extraordinaria precisión en la medida de caudales para el uso en circuitos de producción/distribución de sistemas de calefacción y refrigeración  
*Balancing valve delivers accurate hydronic performance in an impressive range of in an impressive range of applications. Ideally suited for use on the secondary side in heating and cooling systems, and tap water systems.*



### CARACTERÍSTICAS GENERALES / GENERAL CHARACTERISTICS :

Rango desde DN10 hasta DN50 / *Range from ND10 up to ND50.*

Funciones: Equilibrado, Preajuste, Medida, corte / *Functions: Balancing, Pre-setting, Measuring, Shut-off*

Vaciado (dependiendo del tipo de válvula) / *Draining (depending on valve type)*

Medio: Agua y fluidos no agresivos, mezclas de agua con glicol (0-57%) / *Water-glycol mixtures (0-57%).*

Válvulas con dispositivo de vaciado con racor G3/4" / *Valves with draining for G3/4 hose connection.*

La toma de medida es auto-estanca / *Measuring points are self-sealed.*

El ajuste a cero está calibrado y no debe modificarse / *The zero position is calibrated and must not be changed.*

### NORMATIVAS / STANDARDS :

Conexión: Rosca hembra según / *Connection female threaded ISO 228*

Longitud de rosca según ISO 7/1 / *Thread length according to ISO 7/1.*

Certificadas WRAS / *WRAS approval*

Rosca NPT bajo consulta / *NPT threaded on request.*

### CONDICIONES DE SERVICIO / WORKING CONDITIONS:

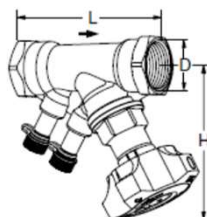
Máxima presión de trabajo / *Maximum Working Pressure : 25 bar.*

Temperatura de trabajo / *Working Temperature : - 20 °C / + 120 °C.*

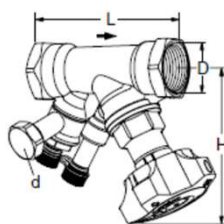
### MATERIALES / CONSTRUCTION :

| No. | Pieza<br>Part                       | Material<br>Material                     |
|-----|-------------------------------------|------------------------------------------|
| 1   | Cuerpo<br>Body                      | AMETAL®                                  |
| 2   | Junta cuerpo<br>Body gasket         | EPDM                                     |
| 3   | Cono<br>Plug                        | AMETAL®                                  |
| 4   | Junta asiento<br>Seat gasket        | EPDM                                     |
| 5   | Vástago<br>Stem                     | A.Inox AISI 304<br>S.Steel 304           |
| 6   | Tornillería<br>Bolts & Nuts         | A.Inox A2 (AISI 304)<br>S.Steel A2 (304) |
| 7   | Arandela<br>Washer                  | PTFE                                     |
| 8   | Muelle<br>Spring                    | Inoxidable<br>Stainless steel            |
| 9   | Volante<br>Handwheel                | Poliamida y TPE<br>Polyamide and TPE     |
| 10  | Tapones<br>Caps                     | Poliamida y TPE<br>Polyamide and TPE     |
| 11  | Tomas de medida<br>Measuring points | AMETAL®                                  |
| 12  | Vaciado<br>Draining                 | AMETAL®                                  |
| 13  | Sellados<br>Sealing                 | EPDM                                     |

### DIMENSIONES / DIMENSIONS :



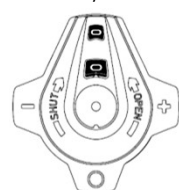
| DN<br>ND | L   | H   | Kvs  | Peso (Kg)<br>Weight |
|----------|-----|-----|------|---------------------|
| 10       | 73  | 100 | 1,36 | 0,44                |
| 15       | 84  | 100 | 2,56 | 0,47                |
| 20       | 94  | 100 | 5,39 | 0,55                |
| 25       | 105 | 105 | 8,59 | 0,68                |
| 32       | 121 | 110 | 14,2 | 1,00                |
| 40       | 126 | 120 | 19,3 | 1,40                |
| 50       | 155 | 120 | 32,3 | 2,00                |



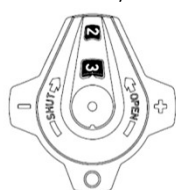
| DN<br>ND | L   | H   | Kvs  | Peso (Kg)<br>Weight |
|----------|-----|-----|------|---------------------|
| 10       | 73  | 100 | 1,36 | 0,53                |
| 15       | 84  | 100 | 2,56 | 0,56                |
| 20       | 94  | 100 | 5,39 | 0,64                |
| 25       | 105 | 105 | 8,59 | 0,77                |
| 32       | 121 | 110 | 14,2 | 1,10                |
| 40       | 126 | 120 | 19,3 | 1,50                |
| 50       | 155 | 120 | 32,3 | 2,10                |

### PRE-AJUSTE / SEETING

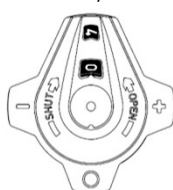
CERRADA / CLOSED



EJ:AJUSTADA / SEETING



ABIERTA / OPEN



### VALORES Kv / Kv values

| Vueltas / Turns | DN-10 | DN-15 | DN-20 | DN-25 | DN-32 | DN-40 | DN-50 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| 0.5             |       | 0,136 | 0,533 | 0,599 | 1,19  | 1,89  | 2,62  |
| 1               | 0,091 | 0,226 | 0,781 | 1,03  | 2,09  | 3,4   | 4,1   |
| 1.5             | 0,134 | 0,347 | 1,22  | 2,13  | 3,36  | 4,74  | 6,76  |
| 2               | 0,264 | 0,618 | 1,95  | 3,64  | 5,22  | 6,25  | 11,4  |
| 2.5             | 0,461 | 0,931 | 2,71  | 5,26  | 7,77  | 9,16  | 15,8  |
| 3               | 0,799 | 1,46  | 3,71  | 6,65  | 9,82  | 12,8  | 21,5  |
| 3.5             | 1,22  | 2,07  | 4,51  | 7,79  | 11,9  | 16,2  | 27    |
| 4               | 1,36  | 2,56  | 5,39  | 8,59  | 14,2  | 19,3  | 32,3  |