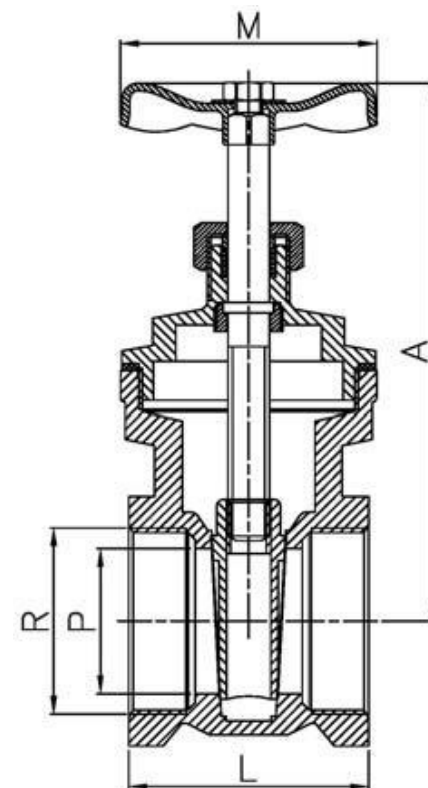
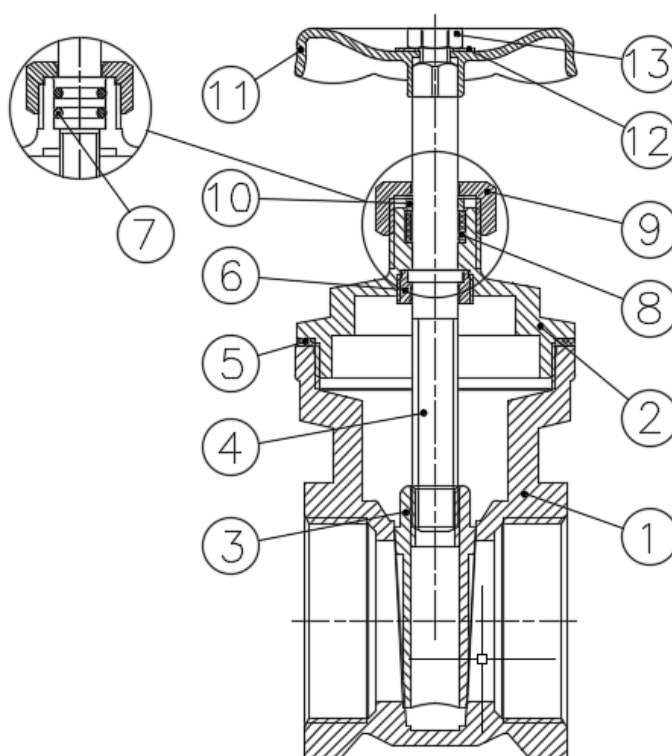


## Art.: 3220

### Válvula de compuerta latón / Brass gate valve

| Características                                                                                    | Features                                                                                  |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1. Válvula de compuerta de paso reducido.                                                          | 1. Gate valve, reduced bore.                                                              |
| 2. Cuerpo en latón según UNE-EN 12165.                                                             | 2. Body in brass according to UNE-EN 12165.                                               |
| 3. Extremos roscados Gas (BSP) Hembra-Hembra según ISO 228/1.                                      | 3. Threads ends Gas (BSP) Female-Female according to ISO 228/1.                           |
| 4. Empaquetadura del eje:<br>- Juntas o-ring NBR de 1/2" a 1 1/2".<br>- Anillo de PTFE de 2" a 4". | 4. Stem packing:<br>-NBR o-ring from 1/2" to 1 1/2".<br>-PTFE stem packing from 2" to 4". |
| 5. Presión máxima de trabajo 16 bar (PN 16).                                                       | 5. Max. working pressure 16 bar (PN16).                                                   |
| 6. Apta para agua caliente y fría.                                                                 | 6. Suitable for hot and cold water.                                                       |
| 7. Temperatura de trabajo:<br>Aire: -15°C a 105°C.<br>Agua: 0°C a 110°C.                           | 7. Working temperature range:<br>Air: -15°C to 105°C.<br>Water: 0°C to 110°C.             |



| Nº  | Denominación / Name          | Material               | Tratamiento Superficial / Surface Treatment |
|-----|------------------------------|------------------------|---------------------------------------------|
| 1   | Cuerpo / Body                | Latón / Brass (CW617N) | Granallado + Decapado / Peened + Pickling   |
| 2   | Tapa / Bonnet                | Latón / Brass (CW617N) | Granallado + Decapado / Peened + Pickling   |
| 3   | Compuerta / Gate             | Latón / Brass (CW617N) | -                                           |
| 4   | Eje / Stem                   | Latón / Brass (CW617N) | -                                           |
| 5   | Junta tapa / Bonnet joint    | PTFE                   | -                                           |
| 6*  | Contratuerca / Lock nut      | Latón / Brass          | -                                           |
| 7** | Juntas eje / Stem sealing    | NBR                    | -                                           |
| 8   | Anillo prensa / Stem packing | PTFE                   | -                                           |
| 9   | Tuerca prensa / Packing nut  | Latón / Brass          | -                                           |
| 10  | Anillo prensa / Packing ring | Latón / Brass          | -                                           |
| 11  | Volante / Wheel              | Acero / Steel          | Pintado Rojo / Red Painted                  |
| 12  | Arandela / Washer            | Aluminio / Aluminum    | -                                           |
| 13  | Tuerca / Nut                 | Acero / Steel          | Zincado amarillo / Yellow zinc plated       |

\* Contratuerca solo para medidas de 2" a 4" / Lock nut only for sizes of 2" to 4"

\*\* Juntas de NBR solo para medidas de 1/2" a 1 1/2" / NBR stem sealing only for sizes of 1/2" to 1 1/2"

| Ref.    | PN<br>(bar) | Medida / Size | Dimensiones / Dimensions (mm) |     |      |      | Peso /<br>Weight (Kg) |
|---------|-------------|---------------|-------------------------------|-----|------|------|-----------------------|
|         |             | R             | P                             | A   | L    | M    |                       |
| 3220 04 | 16          | 1/2"          | 13                            | 62  | 36,8 | 51   | 0,158                 |
| 3220 05 | 16          | 3/4"          | 15                            | 66  | 42,5 | 55.8 | 0,206                 |
| 3220 06 | 16          | 1"            | 19                            | 73  | 45,8 | 60   | 0,291                 |
| 3220 07 | 16          | 1 1/4"        | 27                            | 91  | 50,8 | 60.6 | 0,436                 |
| 3220 08 | 16          | 1 1/2"        | 33                            | 98  | 54   | 70.8 | 0,602                 |
| 3220 09 | 16          | 2"            | 42                            | 127 | 62,8 | 92   | 1,056                 |
| 3220 10 | 16          | 2 1/2"        | 57                            | 160 | 68   | 100  | 1,890                 |
| 3220 11 | 16          | 3"            | 60                            | 190 | 83   | 110  | 2,526                 |
| 3220 12 | 16          | 4"            | 91                            | 238 | 92   | 132  | 4,518                 |

DIAGRAMA PÉRDIDA DE CARGA / HEAD LOSS CHART

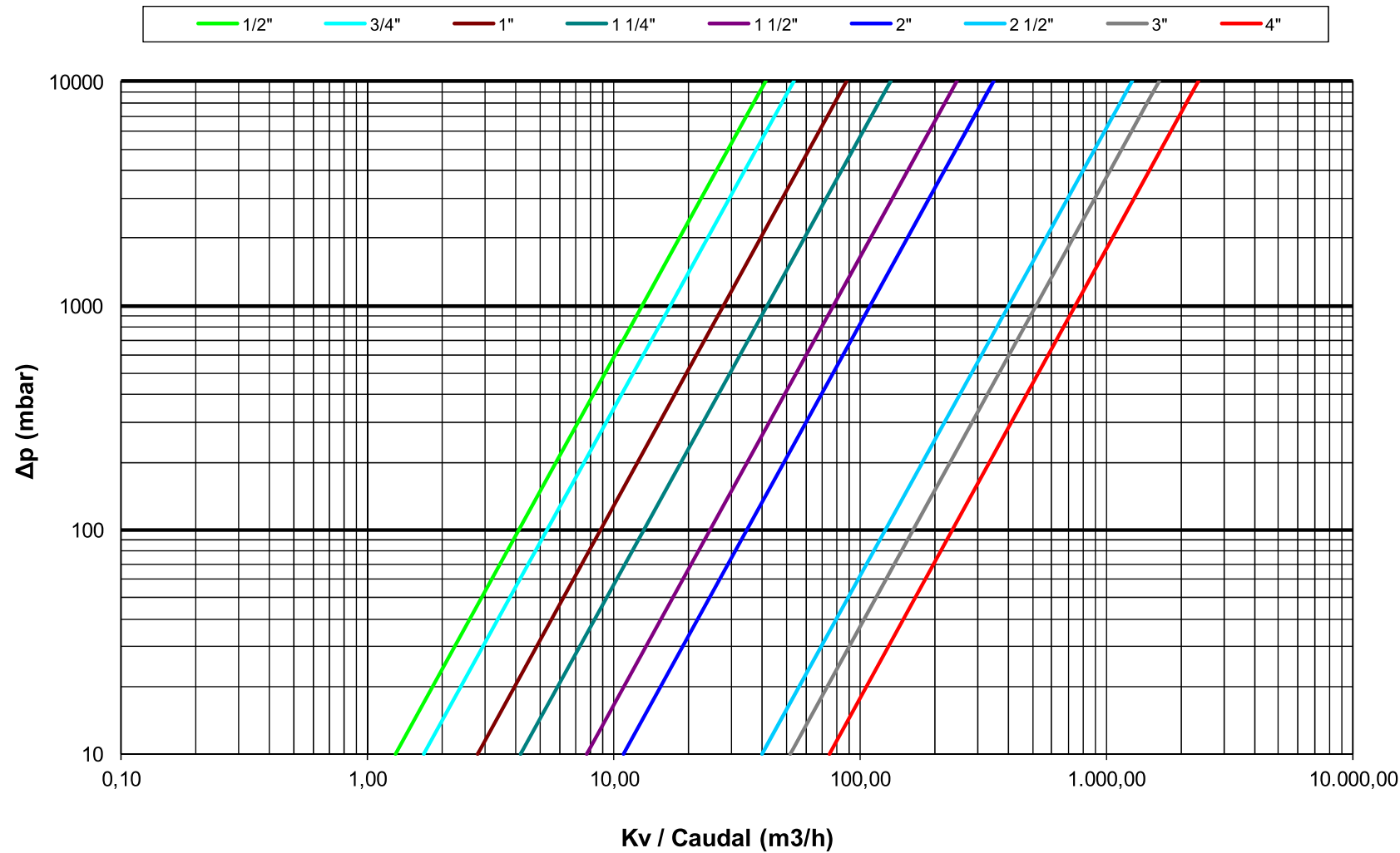
(Válvulas paso total roscadas / Threaded ends full bore ball valves)

Valores de Kv / Kv Values:

**Kv** = Es la cantidad de metros cúbicos por hora que pasará a través de la válvula generando una pérdida de carga de 1 bar.

**Kv** = The flow rate of water in cubic meters per hour that will generate a pressure drop of 1 bar across the valve.

| Medida / Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2"  | 2 1/2" | 3"  | 4"  |
|---------------|------|------|----|--------|--------|-----|--------|-----|-----|
| Kv            | 6    | 17   | 28 | 42     | 78     | 110 | 400    | 520 | 750 |



## CURVA PRESIÓN - TEMPERATURA / PRESSURE - TEMPERATURE RATING

