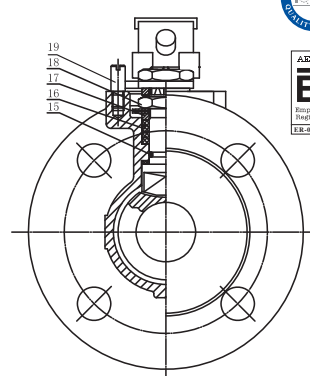
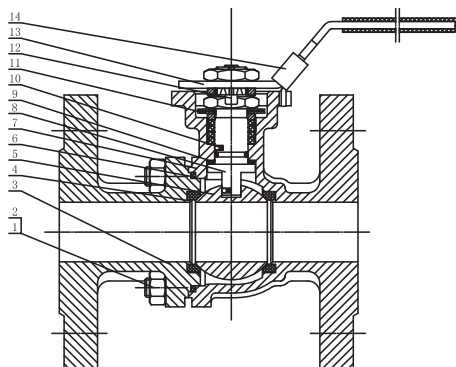
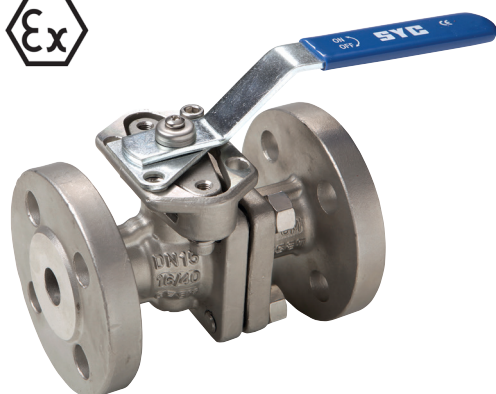


# VÁLVULA DE ESFERA 2 CUERPOS INOXIDABLE CON BRIDAS 2 PIECES STAINLESS STEEL BALL VALVE FLANGED



## DESCRIPCIÓN COMPONENTES - COMPONENTS DESCRIPTION

| Ítem | Descripción - Description                    | Material - Material |
|------|----------------------------------------------|---------------------|
| 1    | Perno - Stud                                 | A193 - B8           |
| 2    | Tuerca - Nut                                 | A194 - 8            |
| 3    | Tapón - Cap                                  | A351 CF8M           |
| 4    | Asiento - Seat                               | PTFE + 15% FV/GF    |
| 5    | Bola - Ball                                  | SS316               |
| 6    | Junta - Gasket                               | PTFE                |
| 7    | Eje - Stem                                   | A276 316            |
| 8    | Cuerpo - Body                                | A351 CF8M           |
| 9    | Junta del eje - Stem Gasket                  | PTFE                |
| 10   | Dispositivo antiestático - Antistatic Device | A276 304            |
| 11   | Muelle mariposa - Butterfly Spring           | A276 304            |
| 12   | Tapón antipérdida - Anti Loosing Cap         | A276 304            |
| 13   | Maneta - Handle                              | A276 201            |
| 14   | Seguro - Handle Lock                         | A276 201            |
| 15   | O-ring                                       | Viton               |
| 16   | Junta - Gasket                               | PTFE                |
| 17   | Anilla - Packing Gland                       | A276 304            |
| 18   | Tuerca del eje - Stem Nut                    | A194 - 8            |
| 19   | Sistema frenado - Stop Pin                   | A276 304            |

## CARACTERÍSTICAS BÁSICAS

- Construcción en acero inoxidable CF8M.
- Presión máxima de ejercicio: PN 40 de DN 15 a DN 40 ; PN 16 de DN 50 a DN 150.
- Temperatura de servicio: -30 °C a 150 °C.
- Bridas DIN 2635 PN 40 de DN 15 a DN 40; DIN 2633 PN 16 de DN 50 a DN 150.
- Seguridad contra incendios API 607.
- Longitud entre caras según DIN 3202-F4.
- Dispositivo anti-estático.
- Montaje actuador directo según ISO 5211.
- Certificado ATEX según la Directiva 2014/34/EU.

## APLICACIONES GENERALES

- Productos químicos.
- Industrias petroquímicas.
- Aplicaciones industriales.
- Sistemas de calefacción.
- Instalaciones hidráulicas.
- Aire comprimido.

## BASIC FEATURES

- Made in stainless steel CF8M.
- Maximum working pressure: PN 40 from DN 15 to DN 40; PN 16 from DN 50 to DN 150.
- Working temperature: -30 °C to 150 °C.
- Flanges DIN 2635 PN 40 from DN 15 to DN 40; DIN 2633 from DN 50 to DN 150.
- Fire safe API 607.
- Length face to face according to DIN 3202-F4.
- Anti-static device.
- Direct mounting for actuators ISO 5211.
- ATEX certificate in accordance with Directive 2014/34/EU.

## GENERAL APPLICATIONS

- Chemical industries.
- Petrochemical industries.
- Industrial applications.
- Heating systems.
- Hydraulic installation.
- Compressed air.

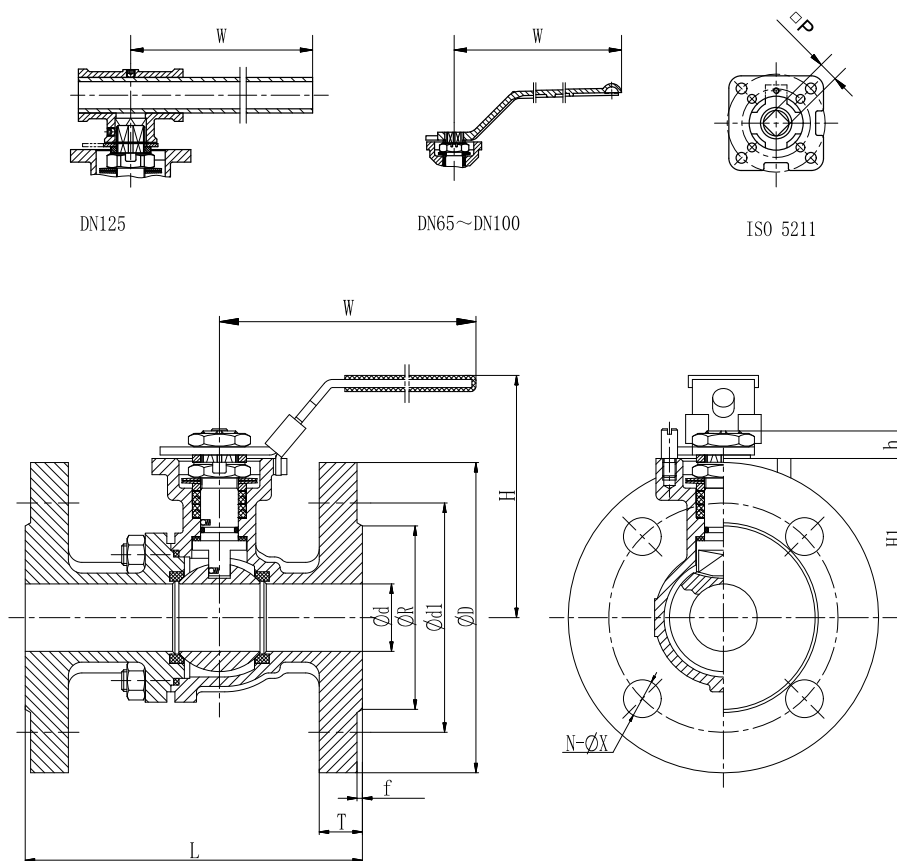
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# VÁLVULA DE ESFERA 2 CUERPOS INOXIDABLE CON BRIDAS 2 PIECES STAINLESS STEEL BALL VALVE FLANGED



## INFORMACIÓN TÉCNICA - TECHNICAL INFORMATION

| DN  | COD.     | Ød<br>(mm) | ØR<br>(mm) | Ød1<br>(mm) | ØD<br>(mm) | H1<br>(mm) | H<br>(mm) | h<br>(mm) | L<br>(mm) | W<br>(mm) | T<br>(mm) | f<br>(mm) | Taladros<br>Bolting<br>N - Ø (mm) | □P<br>(mm) | ISO 5211 | Peso aprox.<br>Weight aprox.<br>(kg) |
|-----|----------|------------|------------|-------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------------|------------|----------|--------------------------------------|
| 15  | IVB20015 | 15         | 45         | 65          | 95         | 48,5       | 76        | 8,5       | 115       | 110       | 14        | 2         | 4 - Ø14                           | 9          | F03-F04  | 2,20                                 |
| 20  | IVB20020 | 20         | 58         | 75          | 105        | 53,5       | 81        | 8,5       | 120       | 110       | 16        | 2         | 4 - Ø14                           | 9          | F03-F04  | 3,05                                 |
| 25  | IVB20025 | 25         | 68         | 85          | 115        | 59         | 90        | 10        | 125       | 140       | 16        | 2         | 4 - Ø14                           | 11         | F04-F05  | 3,45                                 |
| 32  | IVB20032 | 32         | 78         | 100         | 140        | 71         | 102       | 10        | 130       | 140       | 16        | 2         | 4 - Ø18                           | 11         | F04-F05  | 5,75                                 |
| 40  | IVB20040 | 38         | 88         | 110         | 150        | 77,5       | 114,5     | 14        | 140       | 185       | 16        | 3         | 4 - Ø18                           | 14         | F05-F07  | 7,00                                 |
| 50  | IVB20050 | 50         | 102        | 125         | 165        | 85         | 122       | 14        | 150       | 185       | 18        | 3         | 4 - Ø18                           | 14         | F05-F07  | 7,94                                 |
| 65  | IVB20B65 | 65         | 122        | 145         | 185        | 100        | 168       | 16        | 170       | 305       | 18        | 3         | 4 - Ø18                           | 17         | F07-F10  | 14,75                                |
| 80  | IVB20080 | 78         | 138        | 160         | 200        | 110        | 178       | 16        | 180       | 305       | 20        | 3         | 8 - Ø18                           | 17         | F07-F10  | 13,90                                |
| 100 | IVB20100 | 100        | 158        | 180         | 220        | 130        | 198       | 18        | 190       | 305       | 20        | 3         | 8 - Ø18                           | 19         | F07-F10  | 26,25                                |
| 125 | IVB20125 | 125        | 188        | 210         | 250        | 165        | 234       | 23        | 325       | 500       | 22        | 3         | 8 - Ø18                           | 22         | F10-F12  | 38,00                                |
| 150 | IVB20150 | 150        | 212        | 240         | 285        | 190        | 250       | 28        | 350       | 645       | 22        | 3         | 8 - Ø22                           | 27         | F12-F14  | 51,00                                |

### Observaciones:

Dada la complejidad, variedad y gran cantidad de especificaciones particulares de cada instalación, en conjunción con la existencia de diversos factores que pueden afectar a las condiciones de trabajo y naturaleza del producto, es responsabilidad del usuario final realizar los ensayos necesarios para garantizar el correcto funcionamiento del producto en cada aplicación concreta.  
La instalación del producto deberá realizarse y mantenerse siguiendo códigos de buena práctica y/o estándares existentes.

### Remarks:

Due to the complexity, variety and large number of particular specifications for each installation, along with the existence of diverse factors which can affect the working conditions and nature of the product, it is the responsibility of the end-user to carry out the necessary tests to ensure the proper functioning of the product in any specific application.  
Product installation must be carried out and maintained following the good practice codes and/or updated technical standards.

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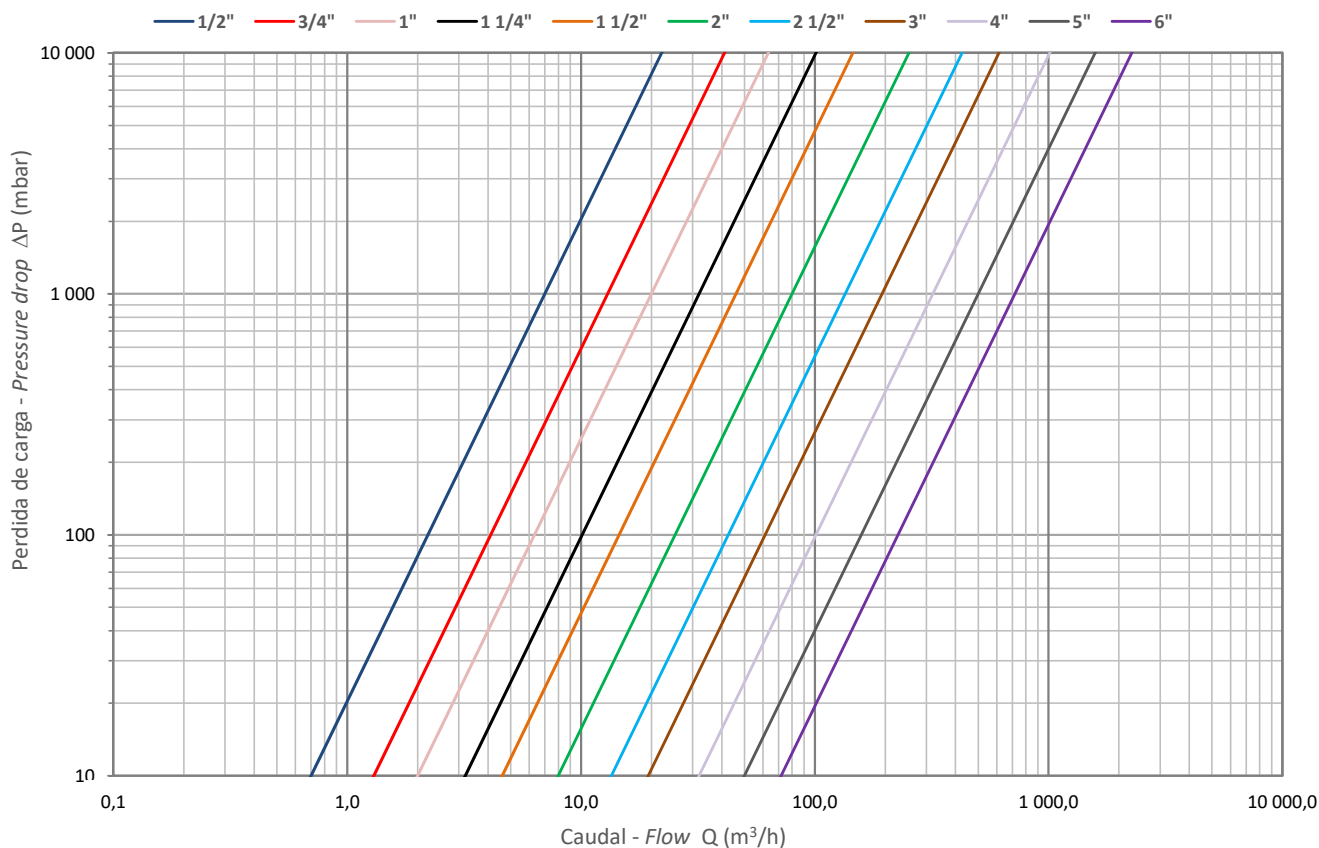
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## DIAGRAMA PÉRDIDAS DE CARGA / HEAD LOSS CHART

(Agua en flujo horizontal a 20 °C / Water in horizontal flow at 20 °C)



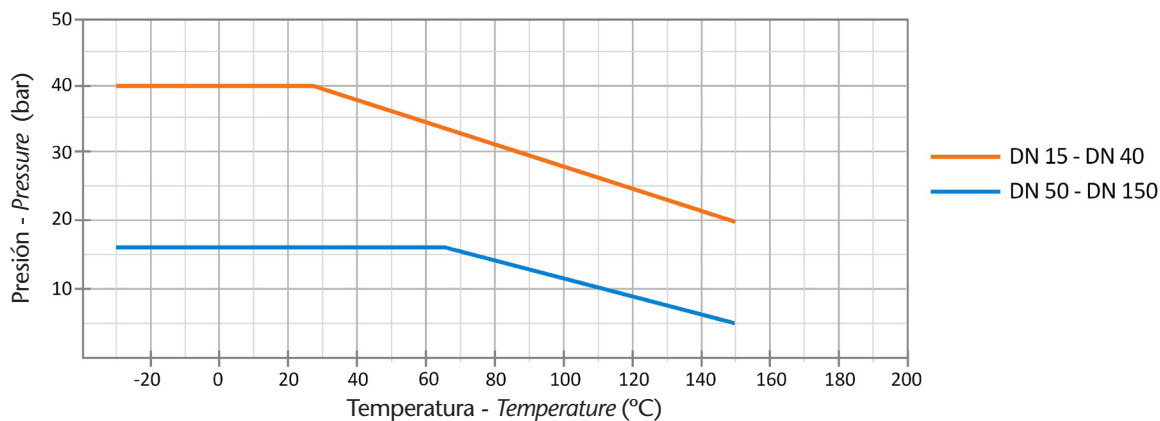
Nota: 1 mca = 100 mbar

| Medida - Size (inches)                       | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3"  | 4"  | 5"  | 6"  |
|----------------------------------------------|------|------|----|--------|--------|----|--------|-----|-----|-----|-----|
| Diámetro nominal - Nominal size DN           | 15   | 20   | 25 | 32     | 40     | 50 | 65     | 80  | 100 | 125 | 150 |
| Coefficiente de caudal - Flow coefficient Kv | 7    | 13   | 20 | 32     | 46     | 80 | 135    | 194 | 320 | 500 | 718 |

Kv : coeficiente que expresa el caudal circulante (expresado en m<sup>3</sup>/h) a través de la valvula generando una caída de presión a su paso de 1 bar (1000 mbar)

*Kv: is the rate of flow (in cubic metres per hour) at a pressure drop of 1 bar (1000 mbar) through the valve*

## DIAGRAMA PRESIÓN - TEMPERATURA / PRESSURE - TEMPERATURE DIAGRAM



Nota : Debido al constante desarrollo de nuestros productos, los datos suministrados pueden ser alterados sin previo aviso.

*Note : Due to the continuous development of our products, specifications may be changed without notification at any time.*

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