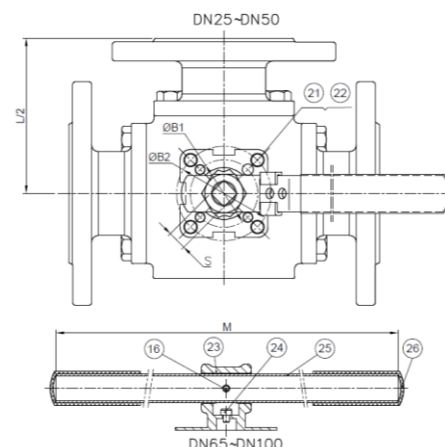
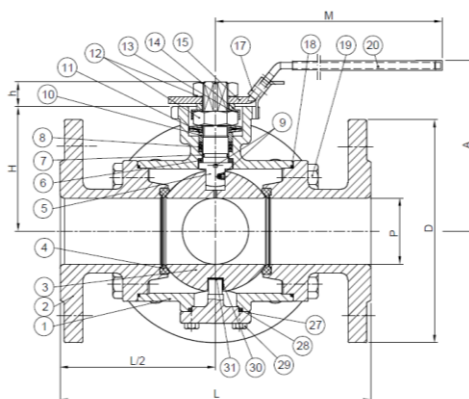


## ARTICULO: 2544

### Válvula de esfera de tres vías Tipo "L", extremos bridados

### Flanged Ends Three Way ball valve, Type "L"

| Características                                                                                        | Features                                                                                         |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. Válvula esfera tres vías paso total.                                                                | 1. Stainless steel full port 3-way ball valve.                                                   |
| 2. Configuración de Esfera en "L".                                                                     | 2. "L" Ball configuration.                                                                       |
| 3. Extremos Bridados según EN 1092.<br>PN40 desde DN 25 hasta DN 50.<br>PN16 desde DN 65 hasta DN 100. | 3. Flanged ends according to EN 1092.<br>PN40 from DN 25 to DN 50.<br>PN16 from DN 65 to DN 100. |
| 4. Construcción en acero al carbono 1.0619 (WCB).                                                      | 4. Made of carbon steel 1.0619 (WCB).                                                            |
| 5. Cuatro asientos PTFE + 15 % Fibra de Vidrio (otros materiales consultar).                           | 5. Four Ball seats PTFE + 15 % G.F. (please ask for other materials).                            |
| 6. Tórica de FPM (Viton) en el eje.                                                                    | 6. FPM (Viton) o'ring in the stem.                                                               |
| 7. Dispositivo antiestático.                                                                           | 7. Anti-static device.                                                                           |
| 8. Sistema de bloqueo.                                                                                 | 8. Locking system.                                                                               |
| 9. Montaje actuador directo s/ ISO 5211.                                                               | 9. Direct mounting actuator according to ISO 5211.                                               |
| 10. Eje inextensible.                                                                                  | 10. Blow-out proof stem.                                                                         |
| 11. Presión de trabajo máxima 16/40 bar, según medida.                                                 | 11. Max. working pressure 16 / 40 bar, according to size.                                        |
| 12. Temperatura de trabajo -25 °C + 180 °C.                                                            | 12. Working Temperature -25 °C + 180 °C.                                                         |



| Nº | Denominación / Name                          | Material                               | Acabado Superficial / Surface Treatment | Recambios / Spare Parts |
|----|----------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------|
| 1  | Cuerpo / Body                                | Acero al carbono / Carbon Steel 1.0619 | Fosfatizado / Phosphatized              | -----                   |
| 2  | Tapa / Cap                                   | Acero al carbono / Carbon Steel 1.0619 | Fosfatizado / Phosphatized              | -----                   |
| 3* | Bola / Ball                                  | Acero Inox. / Stainless Steel 1.4408   | Pulido / Polishing                      | B2544                   |
| 4* | Asiento / Ball Seat                          | PTFE + 15% F.V. / PTFE + 15% G.F.      | -----                                   | K2544                   |
| 5  | Eje / Stem                                   | Acero Inox. / Stainless Steel AISI 316 | -----                                   | -----                   |
| 6* | Anillo Fricción / Thrust washer              | PTFE                                   | -----                                   | K2544                   |
| 7* | Tórica / O' ring                             | FPM                                    | -----                                   | K2544                   |
| 8* | Empaquetadura / Stem packing                 | PTFE                                   | -----                                   | K2544                   |
| 9* | Dispositivo antiestático / Antistatic device | Acero Inox. / Stainless Steel AISI 316 | -----                                   | -----                   |
| 10 | Anillo Prensa / Gland                        | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |

| Nº  | Denominación / Name                            | Material                               | Acabado Superficial / Surface Treatment | Recambios / Spare Parts |
|-----|------------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------|
| 11  | Arandela Resorte / Spring Washer               | Acero Inox. / Stainless Steel AISI 301 | -----                                   | -----                   |
| 12  | Tuerca vástago / Stem Nut                      | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 13  | Antigiro / Nut Locker                          | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 14  | Arandela / Washer                              | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 15  | Maneta / Handle (DN25-DN50)                    | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 16  | Prisionero / Set Screw (DN65-DN100)            | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 17  | Bloqueo maneta / Lock device (DN25-DN50)       | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 18* | Junta / Gasket                                 | PTFE                                   | -----                                   | K2544                   |
| 19  | Tornillo / Bolt                                | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 20  | Funda / Handle Sleeve (DN25-DN50)              | Vynil                                  | -----                                   | -----                   |
| 21  | Tornillo Tope / Stop Bolt                      | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 22  | Tuerca / Nut                                   | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 23  | Adaptador Maneta / Handle Adapter (DN65-DN100) | Acero Inox. / Stainless Steel 1.4308   | Granallado / Shot blasting              | -----                   |
| 24  | Tornillo / Bolt (DN65-DN100)                   | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 25  | Maneta / Handle (DN65-DN100)                   | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 26  | Funda / Handle Sleeve (DN65-DN100)             | Vynil                                  | -----                                   | -----                   |
| 27  | Tapa Inferior / Bottom Cap (DN65-DN100)        | Acero al carbono / Carbon Steel 1.0619 | Fosfatizado / Phosphatized              | -----                   |
| 28* | Junta / Gasket (DN65-DN100)                    | PTFE                                   | -----                                   | K2544                   |
| 29  | Tornillo / Bolt (DN65-DN100)                   | Acero Inox. / Stainless Steel AISI 304 | -----                                   | -----                   |
| 30* | Casquillo / Bush (DN65-DN100)                  | PTFE                                   | -----                                   | K2544                   |
| 31* | Disco / Disk (DN65-DN100)                      | PTFE                                   | -----                                   | K2544                   |

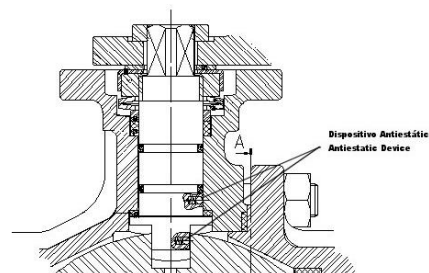
\* Piezas de recambio disponibles / Available spare parts

## DIMENSIONES GENERALES / GENERAL DIMENSIONS

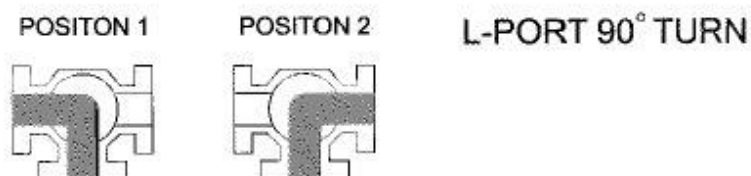
| Ref.    | Medida<br>/Size | PN | P  | Dimensiones / Dimensions (mm) |     |     |     |     |    |      | ISO 5211<br>(ØB1/B2) | Peso /<br>Weight<br>(Kg) |
|---------|-----------------|----|----|-------------------------------|-----|-----|-----|-----|----|------|----------------------|--------------------------|
|         |                 |    |    | L                             | ØD  | H   | A   | M   | S  | h    |                      |                          |
| 2544 06 | 1"              | 40 | 25 | 180                           | 115 | 59  | 93  | 163 | 11 | 11,5 | F04/F05              | 7,350                    |
| 2544 07 | 1 ¼"            | 40 | 32 | 190                           | 140 | 71  | 113 | 209 | 14 | 15,5 | F05/F07              | 10,450                   |
| 2544 08 | 1 ½"            | 40 | 40 | 212                           | 150 | 78  | 121 | 209 | 14 | 15,5 | F05/F07              | 14,300                   |
| 2544 09 | 2"              | 40 | 49 | 230                           | 165 | 85  | 126 | 209 | 14 | 15,5 | F05/F07              | 18,400                   |
| 2544 10 | 2 ½"            | 16 | 62 | 290                           | 185 | 110 | 175 | 450 | 17 | 19,5 | F07/F10              | 27,300                   |
| 2544 11 | 3"              | 16 | 75 | 310                           | 200 | 123 | 188 | 500 | 17 | 19,5 | F07/F10              | 40,200                   |
| 2544 12 | 4"              | 16 | 99 | 350                           | 220 | 146 | 211 | 550 | 17 | 19,5 | F07/F10              | 59,700                   |

## Dispositivo Antiestático / Anti-static Device

Este dispositivo nos garantiza la continuidad eléctrica entre esfera - eje - cuerpo, esto es de especial necesidad en fluidos inflamables / This device ensures the electrical continuity between Ball - Stem - Body, this is of special need in flammable fluids.



## Configuraciones de flujo para válvula de tres vías “L – PORT” giro 90°/ *Flow Patterns for “L-PORT” 3 way valves 90° turn.*



## VALORES DE Kv / *Kv VALUES*

$K_v$  (m<sup>3</sup>/h) = Es la cantidad de metros cúbicos por hora que pasará a través de la válvula generando una pérdida de carga de 1 bar.

$K_v$  (m<sup>3</sup>/h) = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

| 1" | 1 1/4" | 1 1/2" | 2"  | 2 1/2" | 3"  | 4"  |
|----|--------|--------|-----|--------|-----|-----|
| 39 | 50     | 96     | 192 | 264    | 351 | 653 |

## CURVA PRESIÓN TEMPERATURA / *PRESSURE TEMPERATURE RATING*

