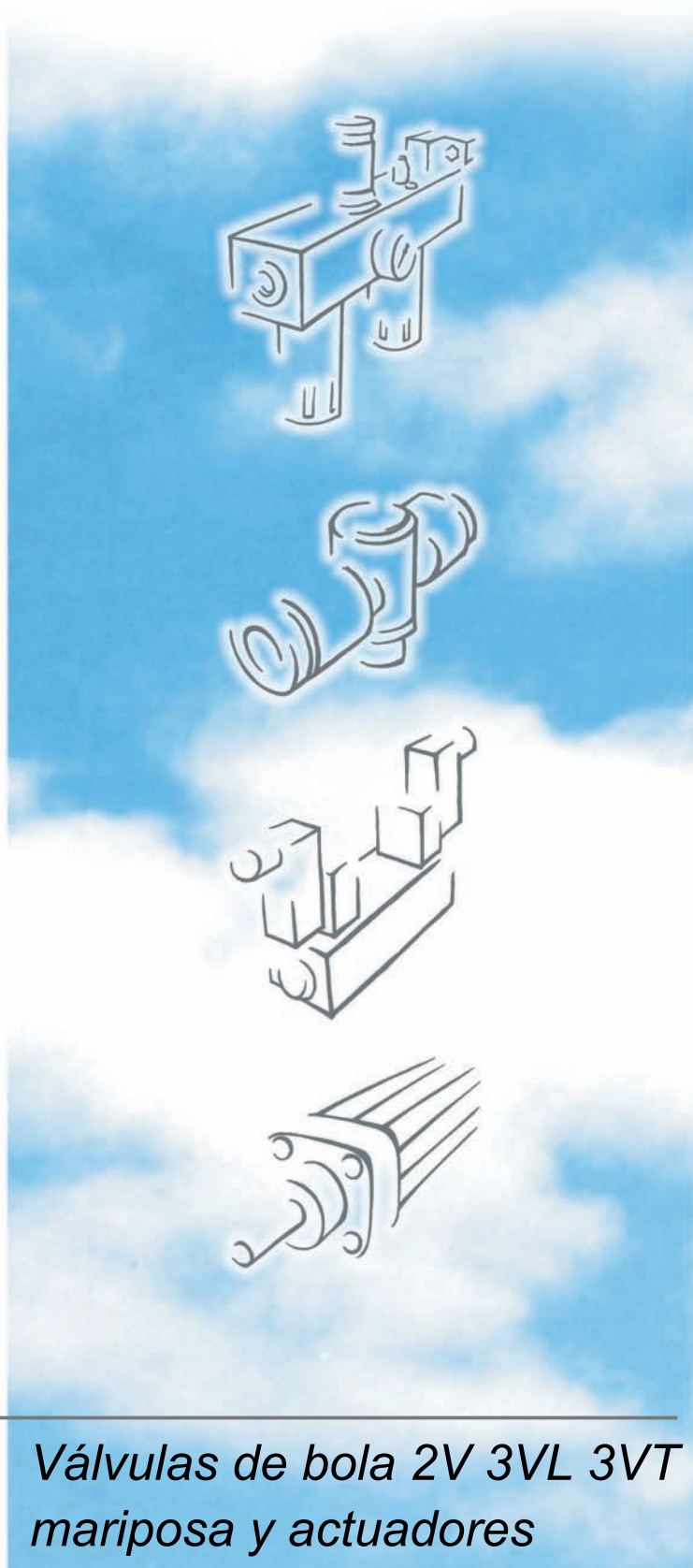


# **METAL<sup>®</sup> WORK**

P N E U M A T I C



*Válvulas de bola 2V 3VL 3VT  
mariposa y actuadores*

***02 - Válvulas en laton para montar en actuador***

***03 - Válvulas en inox para montar en actuador***

***04 - Válvulas tipo mariposa para montar en actuador***

***05 - Actuador rotativo neumático***

***06 - Válvulas en laton con actuador rotativo neumático***

***07 - Válvulas en inox con actuador rotativo neumático***

***08 - Válvulas de mariposa con actuador rotativo neumático***

# Válvulas en latón para montar en actuador

Válvulas de esfera 2/2 y 3/2 ( T - L ) en latón estanpado y niquelado para montar con actuadores neumáticos, cumpliendo con la normativa ISO 5211 para el anclaje superior.

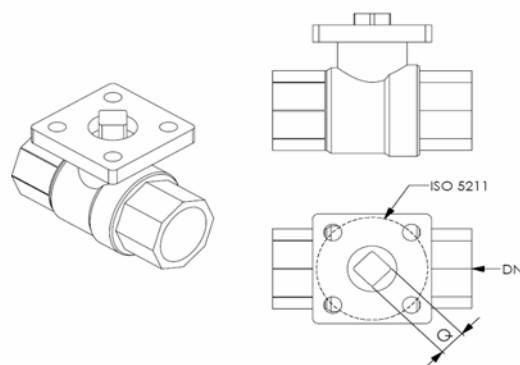
Tipología 2/2: PN 40

Tipología 3/2: PN 40



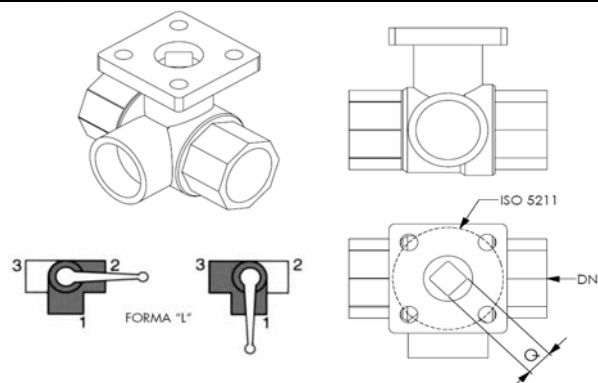
## Válvula esfera 2 vías HH LATON

| CODIGO        | Rosca  | DN | Q  | ISO 5211 |
|---------------|--------|----|----|----------|
| Z33003V010116 | 1/4"   | 8  | 9  | F03      |
| Z33003V010216 | 3/8"   | 10 | 9  | F03      |
| Z33003V010316 | 1/2"   | 15 | 9  | F03      |
| Z33003V010416 | 3/4"   | 20 | 9  | F03      |
| Z33003V010516 | 1"     | 25 | 9  | F03/05   |
| Z33003V010616 | 1" 1/4 | 32 | 9  | F03/05   |
| Z33003V010716 | 1" 1/2 | 40 | 11 | F03/05   |
| Z33003V010816 | 2"     | 50 | 11 | F03/05   |
| Z33003V010916 | 2" 1/2 | 50 | 14 | F07      |



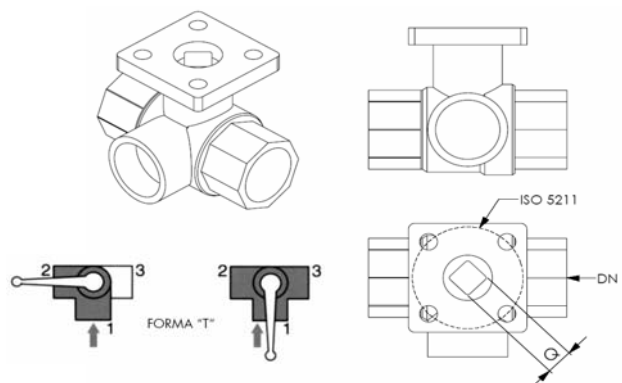
## Válvula esfera 3 vías HHH L LATON

| CODIGO        | Rosca  | DN | Q  | ISO 5211 |
|---------------|--------|----|----|----------|
| Z33003V0123LP | 1/2"   | 15 | 9  | F03      |
| Z33003V0124LP | 3/4"   | 20 | 11 | F04      |
| Z33003V0125LP | 1"     | 25 | 11 | F04      |
| Z33003V0126LP | 1" 1/4 | 32 | 14 | F05      |
| Z33003V0127LP | 1" 1/2 | 40 | 14 | F05      |
| Z33003V0128LP | 2"     | 50 | 14 | F05      |



## Válvula esfera 3 vías HHH T LATON

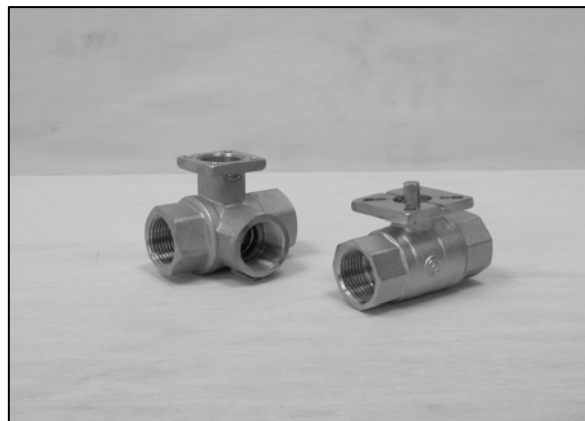
| CODIGO        | Rosca  | DN | Q  | ISO 5211 |
|---------------|--------|----|----|----------|
| Z33003V0133TP | 1/2"   | 15 | 9  | F03      |
| Z33003V0134TP | 3/4"   | 20 | 11 | F04      |
| Z33003V0135TP | 1"     | 25 | 11 | F04      |
| Z33003V0136TP | 1" 1/4 | 32 | 14 | F05      |
| Z33003V0137TP | 1" 1/2 | 40 | 14 | F05      |
| Z33003V0138TP | 2"     | 50 | 14 | F05      |



## Válvulas AISI 316 para montar en actuador

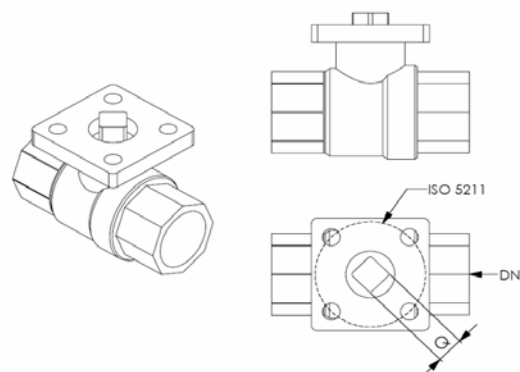
Válvulas de esfera 2/2 3/2 ( T-L ) en acero inoxidable AISI 316, para montar con actuadores neumáticos, cumpliendo con la normativa ISO 5211 para el anclaje superior.

Tipología: PN 40



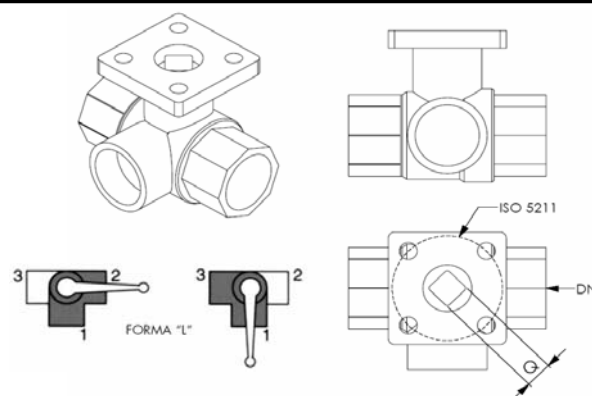
### Válvula esfera 2 vías HH AISI 316

| CODIGO      | Rosca  | DN | Q  | ISO 5211 |
|-------------|--------|----|----|----------|
| Z33003VM001 | 1/4"   | 8  | 9  | F03      |
| Z33003VM002 | 3/8"   | 10 | 9  | F03      |
| Z33003VM003 | 1/2"   | 15 | 9  | F03      |
| Z33003VM004 | 3/4"   | 20 | 9  | F03      |
| Z33003VM005 | 1"     | 25 | 9  | F03      |
| Z33003VM006 | 1" 1/4 | 32 | 9  | F03      |
| Z33003VM007 | 1" 1/2 | 40 | 11 | F05      |
| Z33003VM008 | 2"     | 50 | 11 | F05      |



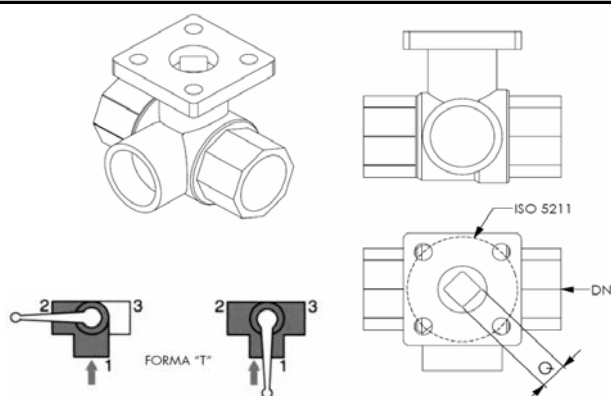
### Válvula esfera 3 vías HHH L AISI 316

| CODIGO       | Rosca  | DN | Q  | ISO 5211 |
|--------------|--------|----|----|----------|
| Z33003V0301L | 1/4"   | 8  | 9  | F04      |
| Z33003V0302L | 3/8"   | 10 | 9  | F04      |
| Z33003V0303L | 1/2"   | 15 | 9  | F04      |
| Z33003V0304L | 3/4"   | 20 | 9  | F04      |
| Z33003V0305L | 1"     | 25 | 11 | F05      |
| Z33003V0306L | 1" 1/4 | 32 | 11 | F05      |
| Z33003V0307L | 1" 1/2 | 40 | 14 | F07      |
| Z33003V0308L | 2"     | 50 | 14 | F07      |



### Válvula esfera 3 vías HHH T AISI 316

| CODIGO       | Rosca  | DN | Q  | ISO 5211 |
|--------------|--------|----|----|----------|
| Z33003V0301T | 1/4"   | 8  | 9  | F04      |
| Z33003V0302T | 3/8"   | 10 | 9  | F04      |
| Z33003V0303T | 1/2"   | 15 | 9  | F04      |
| Z33003V0304T | 3/4"   | 20 | 9  | F04      |
| Z33003V0305T | 1"     | 25 | 11 | F05      |
| Z33003V0306T | 1" 1/4 | 32 | 11 | F05      |
| Z33003V0307T | 1" 1/2 | 40 | 14 | F07      |
| Z33003V0308T | 2"     | 50 | 14 | F07      |



## Válvulas tipo mariposa para montar en actuador

Válvula de disco tipo mariposa con pasos DN40 a DN300 en metal fundido, para montar con actuadores neumáticos, cumpliendo la normativa ISO 5211 para el anclaje superior.

Tipología 2/2, PN 16

Gomas adicionales: Caucho natural, nitrilo, vitón, EPDM blanco, PTFE



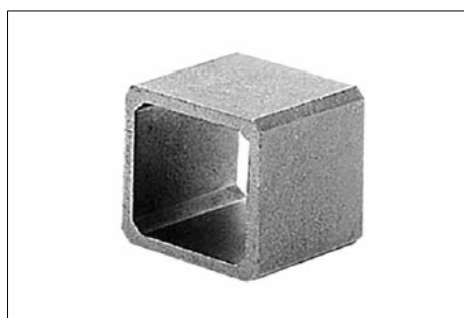
### Válvula de disco tipo mariposa 2/2

| CODIGO        | DN  | Q  | ISO 5211 |
|---------------|-----|----|----------|
| Z33003VMAC040 | 40  | 9  | F07      |
| Z33003VMAC050 | 50  | 9  | F07      |
| Z33003VMAC065 | 65  | 9  | F07      |
| Z33003VMAC080 | 80  | 9  | F07      |
| Z33003VMAC100 | 100 | 11 | F07      |
| Z33003VMAC125 | 125 | 14 | F07      |
| Z33003VMAC150 | 150 | 14 | F07      |
| Z33003VMAC200 | 200 | 17 | F10      |
| Z33003VMAC250 | 250 | 22 | F10      |
| Z33003VMAC300 | 300 | 22 | F10      |

## Accesorios

### Reducción cuadrada para eje actuador

| CODIGO     | CUADRADO |
|------------|----------|
| Z33RQ09-11 | 9-11     |
| Z33RQ09-14 | 9-14     |
| Z33RQ11-14 | 11-14    |
| Z33RQ11-17 | 11-17    |
| Z33RQ14-17 | 14-17    |
| Z33RQ17-22 | 17-22    |
| Z33RQ22-27 | 22-27    |



## Actuador rotativo neumático

Actuador rotativo neumático para válvulas de bola, wafe y mariposa a 90° doble efecto, anclajes a válvula sobre normativa ISO 5211 - DIN 3337, válvula o electroválvula de pilotaje sobre norma NAMUF



| CODIGO         | ISO 5211 | Q  |
|----------------|----------|----|
| <b>AP032</b>   |          |    |
| Z33AP032F03Q09 | F03      | 09 |
| Z33AP032F04Q09 | F04      | 09 |

| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP050</b>     |          |    |
| Z33AP050F04Q11   | F04      | 11 |
| Z33AP050F0305Q11 | F03/05   | 11 |

| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP063</b>     |          |    |
| Z33AP063F0507Q14 | F05/07   | 14 |

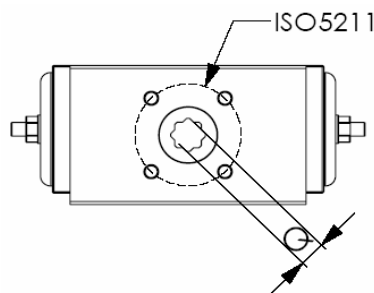
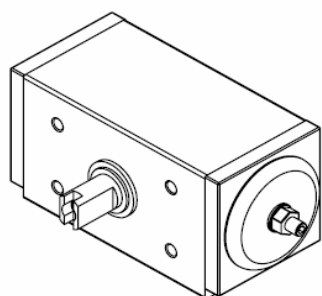
| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP075</b>     |          |    |
| Z33AP075F0507Q17 | F05/07   | 17 |

| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP085</b>     |          |    |
| Z33AP085F0507Q17 | F05/07   | 17 |

| CODIGO             | ISO 5211  | Q  |
|--------------------|-----------|----|
| <b>AP100</b>       |           |    |
| Z33AP100F050710Q22 | F05/07/10 | 22 |

| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP115</b>     |          |    |
| Z33AP115F0710Q22 | F07/10   | 22 |

| CODIGO           | ISO 5211 | Q  |
|------------------|----------|----|
| <b>AP125</b>     |          |    |
| Z33AP125F0710Q27 | F07/10   | 27 |



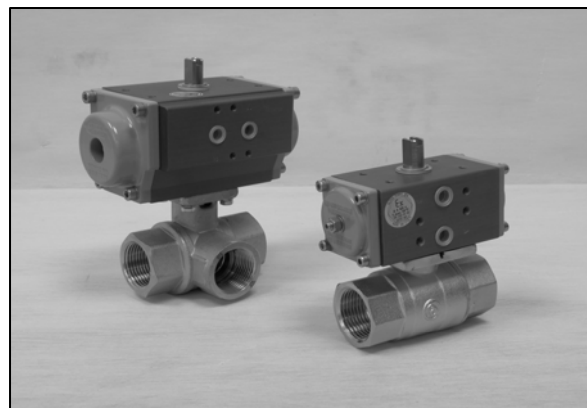
| ISO 5211 | Ø  |
|----------|----|
| F03      | 36 |
| F04      | 42 |
| F05      | 50 |
| F07      | 70 |

## Válvulas en latón con actuador rotativo neumático

Válvulas de latón con actuador rotativo neumático.

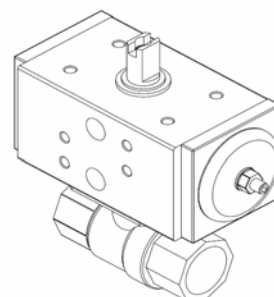
Tipología válvula:

Válvulas de bola 2 vías, de 3 vías (en "L" y "T"),  
válvulas WAFER y válvulas de mariposa.



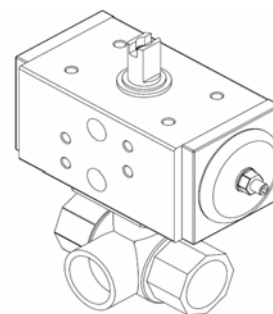
### Válvula esfera 2 vías HH LATON con actuador DE

| CODIGO           | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|------------------|--------|----|----|----------|----------|
| Z33VB2LAS008032D | 1/4"   | 8  | 9  | F03      | AP032    |
| Z33VB2LAS010032D | 3/8"   | 10 | 9  | F03      | AP032    |
| Z33VB2LAS015032D | 1/2"   | 15 | 9  | F03      | AP032    |
| Z33VB2LAS020032D | 3/4"   | 20 | 9  | F03      | AP032    |
| Z33VB2LAS025050D | 1"     | 25 | 9  | F03/05   | AP050    |
| Z33VB2LAS032050D | 1" 1/4 | 32 | 9  | F03/05   | AP050    |
| Z33VB2LAS040063D | 1" 1/2 | 40 | 11 | F03/05   | AP063    |
| Z33VB2LAS050063D | 2"     | 50 | 11 | F03/05   | AP063    |
| Z33VB2LAS065063D | 2" 1/2 | 65 | 14 | F07      | AP063    |



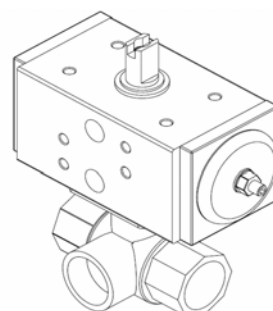
### Válvula esfera 3 vías HHH L LATON con actuador DE

| CODIGO            | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|-------------------|--------|----|----|----------|----------|
| Z33VB3LLSI015032D | 1/2"   | 15 | 9  | F03      | AP032    |
| Z33VB3LLSI020050D | 3/4"   | 20 | 11 | F04      | AP050    |
| Z33VB3LLSI025050D | 1"     | 25 | 11 | F04      | AP050    |
| Z33VB3LLSI032063D | 1" 1/4 | 32 | 14 | F05      | AP063    |
| Z33VB3LLSI040063D | 1" 1/2 | 40 | 14 | F05      | AP063    |
| Z33VB3LLSI050063D | 2"     | 50 | 14 | F05      | AP063    |



### Válvula esfera 3 vías HHH T LATON con actuador DE

| CODIGO            | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|-------------------|--------|----|----|----------|----------|
| Z33VB3TSLI015032D | 1/2"   | 15 | 9  | F03      | AP032    |
| Z33VB3TSLI020050D | 3/4"   | 20 | 11 | F04      | AP050    |
| Z33VB3TSLI025050D | 1"     | 25 | 11 | F04      | AP050    |
| Z33VB3TSLI032063D | 1" 1/4 | 32 | 14 | F05      | AP063    |
| Z33VB3TSLI040063D | 1" 1/2 | 40 | 14 | F05      | AP063    |
| Z33VB3TSLI050063D | 2"     | 50 | 14 | F05      | AP063    |



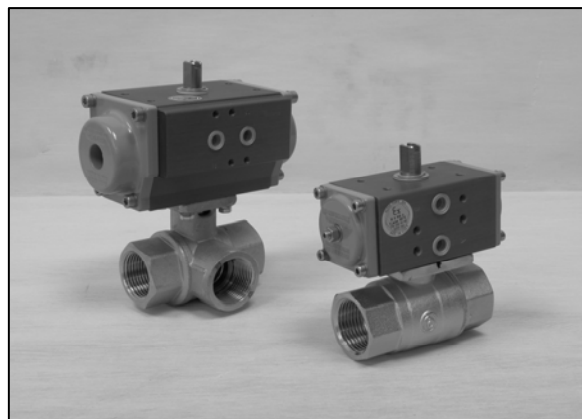


# Válvulas AISI 316 con actuador rotativo neumático

Válvulas AISI 316 con actuador rotativo neumático

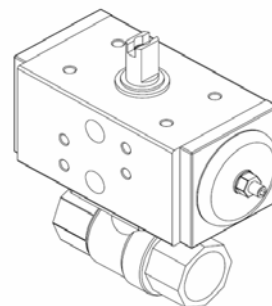
Tipología válvula

Válvulas de bola 2 vías, de 3 vías (en "L" y "T"),  
válvulas WAFER y válvulas de mariposa



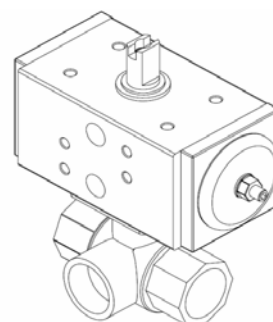
## Válvula esfera 2 vías HH AISI 316 con actuador DE

| CODIGO           | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|------------------|--------|----|----|----------|----------|
| Z33VB2IAD008032D | 1/4"   | 8  | 9  | F03      | AP032    |
| Z33VB2IAD010032D | 3/8"   | 10 | 9  | F03      | AP032    |
| Z33VB2IAD015032D | 1/2"   | 15 | 9  | F03      | AP032    |
| Z33VB2IAD020032D | 3/4"   | 20 | 9  | F03      | AP032    |
| Z33VB2IAD025050D | 1"     | 25 | 9  | F03      | AP050    |
| Z33VB2IAD032050D | 1" 1/4 | 32 | 9  | F03      | AP050    |
| Z33VB2IAD040063D | 1" 1/2 | 40 | 11 | F05      | AP063    |
| Z33VB2IAD050063D | 2"     | 50 | 11 | F05      | AP063    |



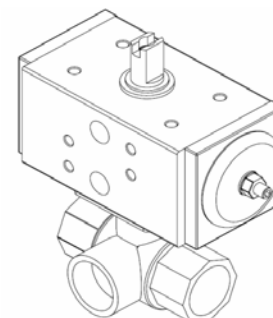
## Válvula esfera 3 vías HHH L AISI 316 con actuador DE

| CODIGO            | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|-------------------|--------|----|----|----------|----------|
| Z33VB3LIAD008032D | 1/4"   | 8  | 9  | F04      | AP032    |
| Z33VB3LIAD010032D | 3/8"   | 10 | 9  | F04      | AP032    |
| Z33VB3LIAD015032D | 1/2"   | 15 | 9  | F04      | AP032    |
| Z33VB3LIAD020032D | 3/4"   | 20 | 9  | F04      | AP050    |
| Z33VB3LIAD025050D | 1"     | 25 | 11 | F05      | AP050    |
| Z33VB3LIAD032063D | 1" 1/4 | 32 | 11 | F05      | AP063    |
| Z33VB3LIAD040063D | 1" 1/2 | 40 | 14 | F07      | AP063    |
| Z33VB3LIAD050063D | 2"     | 50 | 14 | F07      | AP063    |



## Válvula esfera 3 vías HHH T AISI 316 con actuador DE

| CODIGO            | Rosca  | DN | Q  | ISO 5211 | ACTUADOR |
|-------------------|--------|----|----|----------|----------|
| Z33VB3TIAD008032D | 1/4"   | 8  | 4  | F04      | AP032    |
| Z33VB3TIAD010032D | 3/8"   | 10 | 4  | F04      | AP032    |
| Z33VB3TIAD015032D | 1/2"   | 15 | 9  | F04      | AP032    |
| Z33VB3TIAD020032D | 3/4"   | 20 | 9  | F04      | AP050    |
| Z33VB3TIAD025050D | 1"     | 25 | 11 | F05      | AP050    |
| Z33VB3TIAD032063D | 1" 1/4 | 32 | 11 | F05      | AP063    |
| Z33VB3TIAD040063D | 1" 1/2 | 40 | 14 | F07      | AP063    |
| Z33VB3TIAD050063D | 2"     | 50 | 14 | F07      | AP063    |





## Válvulas tipo mariposa con actuador rotativo neumático

Válvulas de mariposa con actuador rotativo neumático.

Tipología válvula:

DN040 a DN300

Válvulas 2/2, PN16

Gomas adicionales: Caucho natural, nitrilo, vitón, EPDM blanco, PTFE



### Válvula de disco tipomariposa 2/2 con actuador DE

| CODIGO          | DN  | Q  | ISO 5211 | ACTUADOR |
|-----------------|-----|----|----------|----------|
| Z33VMHAC040063D | 40  | 9  | F07      | AP063    |
| Z33VMHAC050063D | 50  | 9  | F07      | AP063    |
| Z33VMHAC065063D | 65  | 9  | F07      | AP063    |
| Z33VMHAC080075D | 80  | 9  | F07      | AP075    |
| Z33VMHAC100075D | 100 | 11 | F07      | AP075    |
| Z33VMHAC125075D | 125 | 14 | F07      | AP075    |
| Z33VMHAC150085D | 150 | 14 | F07      | AP085    |
| Z33VMHAC200115D | 200 | 17 | F10      | AP115    |
| Z33VMHAC250115D | 250 | 22 | F10      | AP115    |
| Z33VMHAC300125D | 300 | 22 | F10      | AP125    |