



## VALVOLE A SFERA

- Di solida e robusta costruzione.
- Parti a contatto con il fluido costruite esclusivamente in acciaio inossidabile AISI 316L. A richiesta, disponibili in acciaio inossidabile AISI 304L.
- Facilmente sterilizzabili. Elementi interni facilmente raggiungibili durante le fasi di lavaggio CIP nei modelli 50 e 51.
- Facilmente disassemblabili. Disassemblaggio in linea nei modelli 90 e 91. Guarnizione sanitaria nel modello 90.
- Sfera contenuta all'interno delle flange e conseguente alleggerimento della struttura e riduzioni dell'ingombro valvola nel modello 71.
- Un'estremità a saldare e un'estremità a richiesta a norme DIN, SMS, RJT, ISS, Gas, Eno, Macon nel modello 81.
- Corredabili di comandi manuali o pneumatici.
- Comandi pneumatici orizzontali e verticali a semplice effetto, doppio effetto e di regolazione flusso, corredabili di contatto di prossimità, microinterruttore (elettrico o pneumatico), elettrovalvola (24V CA, 24 V CC, 48 V CA), connettore.
- Massima pressione di esercizio: 10 bar.
- Possibilità di intercambiabilità tra le varie unificazioni.
- Finitura standard: lucidatura esterna e satinatura interna grana 150. Altre finiture a richiesta.

## BALL VALVES

- Heavy duty construction.
- Parts in contact with the fluid made exclusively of AISI 316L stainless steel. On request available in AISI 304L stainless steel.
- Easy to sterilize. Internal parts easy to reach during CIP process in models 50 and 51.
- Easy to disassemble. On-line disassembly in models 90 and 91. Sanitary gasket in model 90.
- Ball contained in the flange with resulting lightening of the structure and reduction of valve volume in the 71 model.
- One welded end and one end, on request, produced in conformity with DIN, SMS, RJT, ISS, BSP, Eno and Macon standards in the 81 model.
- Can be equipped with manual or pneumatic controls.
- Horizontal and vertical single-, double-effect, and modulating pneumatic controls. Can be equipped with proximity contact, microswitch (electrical or pneumatic), solenoid valve (24 V AC, 24 V DC, 48 V AC), connector.
- Maximum operating pressure: 10 bars.
- Interchangeability between the different standards available.
- Standard finish: 150 grain external polishing and internal glazing. Other finishes on request.

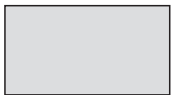
## VANNES À BOULE

- Fabrication solide et robuste.
- Parties en contact avec le fluide fabriquées exclusivement en acier inoxydable AISI 316L. Sur demande, disponibles en acier inoxydable AISI 304L.
- Facilement stérilisables. Éléments internes faciles à atteindre durant les opérations de lavage CIP pour les modèles 50 et 51.
- Facilement démontables. Démontage en ligne pour les modèles 90 et 91. Joint sanitaire pour le modèle 90.
- La boule contenue à l'intérieur des brides allège la structure et réduit l'encombrement de la vanne modèle 71.
- Un bout à souder et un bout, sur demande, conforme aux normes DIN, SMS, RJT, ISS, Gas, Eno, Macon pour le modèle 81.
- Peuvent être munies de commandes manuelles ou pneumatiques.
- Commandes pneumatiques horizontales et verticales à simple effet, double effet et pour le réglage du flux; peuvent être munies de contact de proximité, minirupteur (électrique ou pneumatique), électrovanne (24 V CA, 24 V CC, 48 V CA), connecteur.
- Pression d'exploitation maximum: 10 bars.
- Intercambiabilité possible entre les différents standards.
- Finissage standard: polissage extérieur et satinage intérieur grain 150. Autres finissages sur demande.



## VÁLVULAS DE BOLA

- De fabricación sólida y robusta.
- Las partes que están en contacto con el fluido se fabrican exclusivamente en acero inoxidable AISI 316L. A pedido, se pueden suministrar en acero inoxidable AISI 304L.
- Fácilmente esterilizables. Los elementos internos son fácilmente accesibles durante las fases de lavado CIP en los modelos 50 y 51.
- Se pueden desmontar fácilmente. Desmontaje en línea en los modelos 90 y 91. Junta sanitaria en el modelo 90.
- Bola alojada en el interior de las bridas con consiguiente aligeramiento de la estructura y reducción de las dimensiones de la válvula en el modelo 71.
- Un extremo para soldar y un extremo a pedido según normas DIN, SMS, RJT, ISS, Gas, Eno, Macon en el modelo 81.
- Equipadas con mandos manuales o neumáticos.
- Mandos neumáticos horizontales y verticales de simple efecto, doble efecto y de regulación del flujo que se pueden equipar con microsensor, microruptor (eléctrico o neumático), electroválvula (24 V CA, 24 V CC, 48 V CA), conector.
- Máxima presión de ejercicio: 10 bares.
- Posibilidad de intercambio entre las distintas unificaciones.
- Acabado estándar: pulido exterior y satinado interior grano 150. A pedido, se pueden suministrar otros acabados.

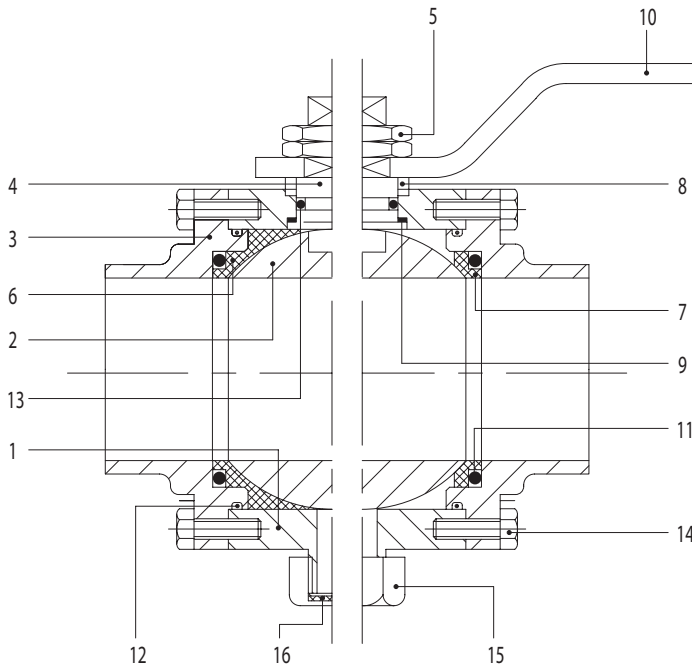


VALVOLA A SFERA CON DRENAGGIO

DRAINAGE BALL VALVE

VANNE À BOULE AVEC DRAINAGE

VÁLVULA DE BOLA CON DRENAJE



50

51

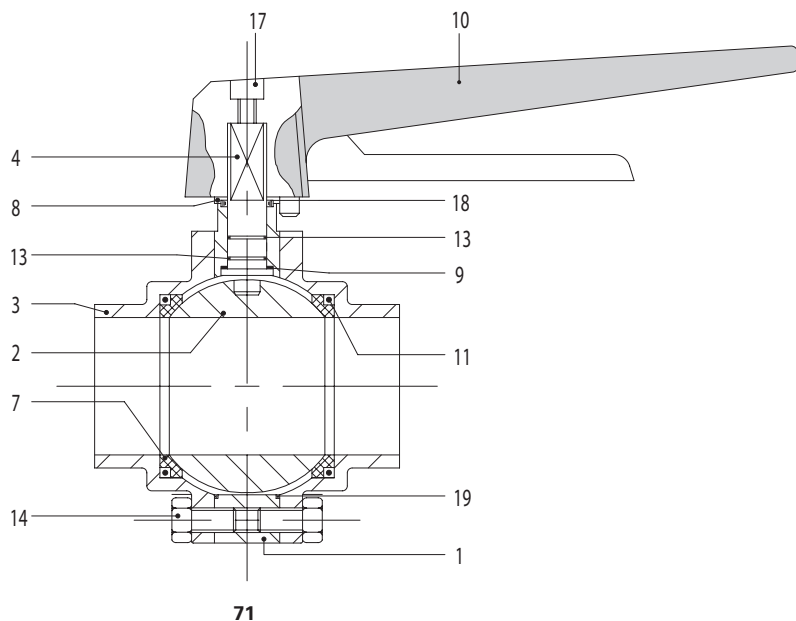
CODIFICAIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

- |                                                                                   |                                                                               |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                           | 9. Rondella<br>Washer<br>Rondelle<br>Arandela                                 |
| 2. Sfera<br>Ball<br>Boule<br>Bola                                                 | 10. Maniglia<br>Handle<br>Poignée<br>Maneta                                   |
| 3. Flangia<br>Flange<br>Bride<br>Brida                                            | 11. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR          |
| 4. Perno<br>Spindle<br>Pivot<br>Perno                                             | 12. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR          |
| 5. Dado esagonale<br>Hexagonal nut<br>Écrou hexagonal<br>Tuerca hexagonal         | 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR          |
| 6. Guarnizione sanitaria<br>Sanitary gasket<br>Joint sanitaire<br>Junta sanitaria | 14. Vite esagonale<br>Hexagonal screw<br>Vis hexagonale<br>Tornillo hexagonal |
| 7. Guarnizione<br>Gasket<br>Joint<br>Junta                                        | 15. Dado esagonale<br>Hexagonal nut<br>Écrou hexagonal<br>Tuerca hexagonal    |
| 8. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                            | 16. Pastiglia PTFE<br>PTFE pin<br>Pastille PTFE<br>Pastilla PTFE              |

| Pos. | Cod. base | Norme | 1"     | 1 1/2" | 2"     | 2 1/2" | 3"     | 4"     | Mat. | Part. o agg. |
|------|-----------|-------|--------|--------|--------|--------|--------|--------|------|--------------|
| 1    | K51       |       | 25     | 38     | 51     | 63     | 76     | 101    | 6L   | 01           |
| 2    | K51       |       | 25     | 38     | 51     | 63     | 76     | 101    | 6L   | 02           |
| 3    | K51       | K     | 1"     | 1 1/2" | 2"     | 2 1/2" | 3"     | 4"     | 6L   | 03           |
| 3    | K51       | W     | 25     | 38     | 51     | 63     | 76     | 101    | 6L   | 03           |
| 4    | K51       |       | 25     | 38/101 | 38/101 | 38/101 | 38/101 | 38/101 | 4L   | 04           |
| 5    | K51       |       | 25     | 38/101 | 38/101 | 38/101 | 38/101 | 38/101 | 4L   | 05           |
| 6    | K51       |       | 25     | 38     | 51     | 63     | 76     | 101    | T    | 06           |
| 7    | K51       |       | 25     | 38     | 51     | 63     | 76     | 101    | T    | 07           |
| 8    | K51       |       | 25     | 38/101 | 38/101 | 38/101 | 38/101 | 38/101 | 4L   | 08           |
| 9    | K51       |       | 25     | 38/101 | 38/101 | 38/101 | 38/101 | 38/101 | T    | 09           |
| 10   | K51       |       | 25     | 38/101 | 38/101 | 38/101 | 38/101 | 38/101 | 4L   | 10           |
| 11   | OR        |       | 3106   | 4162   | 158    | 6275   | 6312   | 6450   | N    |              |
| 12   | OR        |       | 3125   | 3200   | 3262   | 3325   | 3400   | 3550   | N    |              |
| 13   | OR        |       | 3043   | 3050   | 3050   | 3050   | 3050   | 3050   | N    |              |
| 14   | VE        |       | 6x12   | 6x16   | 6x16   | 6x16   | 6x16   | 6x16   | 4L   |              |
| 15   | K51       |       | 25/101 | 25/101 | 25/101 | 25/101 | 25/101 | 25/101 | 4L   | 15           |
| 16   | K51       |       | 25/101 | 25/101 | 25/101 | 25/101 | 25/101 | 25/101 | T    | 16           |



VALVOLA A SFERA COMPATTA  
COMPACT BALL VALVE  
VANNE À BOULE COMPACTE  
VÁLVULA DE BOLA COMPACTA



- |                                                         |                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------|
| 1. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo | 10. Maniglia<br>Handle<br>Poignée<br>Maneta                               |
| 2. Sfera<br>Ball<br>Boule<br>Bola                       | 11. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 3. Flangia<br>Flange<br>Bride<br>Brida                  | 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 4. Perno<br>Spindle<br>Pivot<br>Perno                   | 14. Vite esagonale<br>Hexagonal screw<br>Vis 6 pans<br>Tornillo hexagonal |
| 7. Guarnizione<br>Gasket<br>Joint<br>Junta              | 17. Vite brugola<br>Allen screw<br>Vis Allen<br>Tornillo Allen            |
| 8. Distanziale<br>Spacer<br>Entretoise<br>Distanciador  | 18. Rondella PTFE<br>PTFE washer<br>Rondelle PTFE<br>Arandela PTFE        |
| 9. Rondella<br>Washer<br>Rondelle<br>Arandela           | 19. Anello PTFE<br>PTFE ring<br>Joint PTFE<br>Junta PTFE                  |

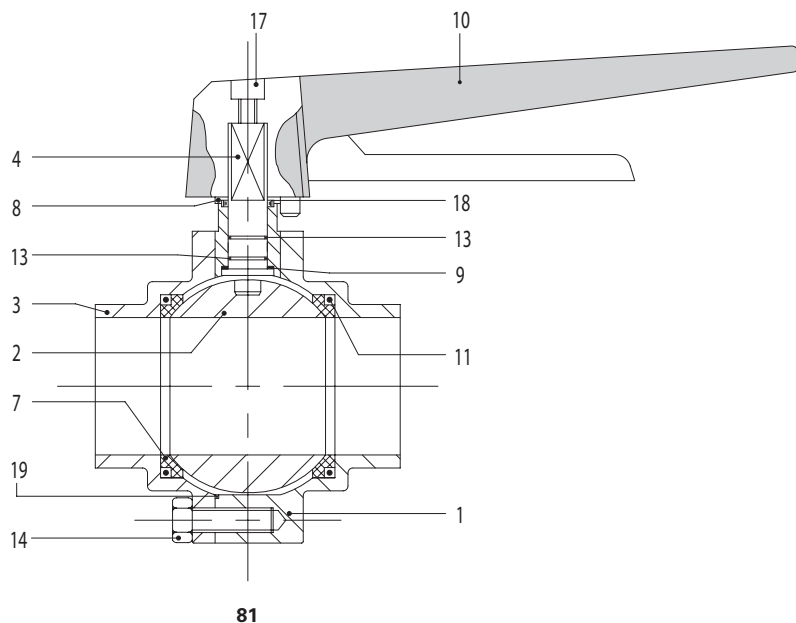
Brevetto n./Patent no./Brevet n./Patente n.  
MI 97 U 000382

CODIFICAZIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

| Pos. | Cod. base | Norme | 1 1/2"<br>38 | D 40<br>40 | 2"<br>51 | D 50<br>52 | 2 1/2"<br>63 | D 65<br>70 | 3"<br>76 | D 80<br>85 | Mat. | Part. o agg. |
|------|-----------|-------|--------------|------------|----------|------------|--------------|------------|----------|------------|------|--------------|
| 1    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 6L   | 01           |
| 2    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 6L   | 02           |
| 3    | 71        | W     | 38           | 40         | 51       | 52         | 63           | 70         | 76       | 85         | 6L   | 03           |
| 3    | 71        | D     |              | 40         |          | 50         |              | 65         |          | 80         | 6L   | 03           |
| 3    | 71        | S     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03           |
| 3    | 71        | B     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03           |
| 3    | 71        | I     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03           |
| 4    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 4L   | 04           |
| 7    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | T    | 07           |
| 8    | 71        |       | 38/52        | 38/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | 4L   | 08           |
| 9    | 71        |       | 38/52        | 38/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | T    | 09           |
| 10   | 7M8       |       | 25/76        | 25/76      | 25/76    | 25/76      | 25/76        | 25/76      | 25/76    | 85/101     | A    |              |
| 11   | OR        |       | 3175         | 3175       | 3212     | 3212       | 4275         | 177        | 4325     | 4337       | N    |              |
| 13   | OR        |       | 108          | 108        | 108      | 108        | 2043         | 2043       | 2043     | 2043       | N    |              |
| 14   | VE        |       | 6x16         | 6x16       | 6x16     | 6x16       | 6x16         | 6x16       | 6x16     | 6x16       | N    |              |
| 17   | TCCE      |       | 6x16         | 6x16       | 6x16     | 6x16       | 6x16         | 6x16       | 6x16     | 6x16       | 4L   |              |
| 18   | 91        |       | 38/52        | 35/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | T    | 18           |
| 19   | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | T    | 19           |



VALVOLA A SFERA  
BALL VALVE  
VANNES À BOULE  
VÁLVULA DE BOLA



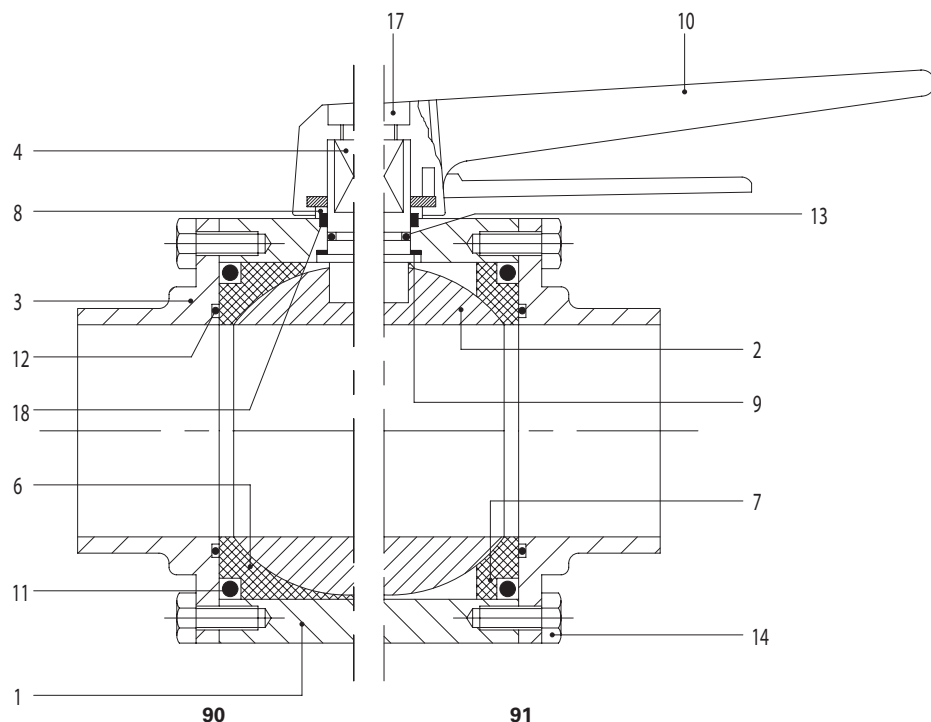
- |                                                         |                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------|
| 1. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo | 11. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 2. Sfera<br>Ball<br>Boule<br>Bola                       | 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 3. Flangia<br>Flange<br>Bride<br>Brida                  | 14. Vite esagonale<br>Hexagonal screw<br>Vis 6 pans<br>Tornillo hexagonal |
| 4. Perno<br>Spindle<br>Pivot<br>Perno                   | 17. Vite brugola<br>Allen screw<br>Vis Allen<br>Tornillo Allen            |
| 7. Guarnizione<br>Gasket<br>Joint<br>Junta              | 18. Rondella PTFE<br>PTFE washer<br>Rondelle PTFE<br>Arandela PTFE        |
| 8. Distanziale<br>Spacer<br>Entretoise<br>Distanciador  | 19. Anello PTFE<br>PTFE ring<br>Joint PTFE<br>Junta PTFE                  |
| 9. Rondella<br>Washer<br>Rondelle<br>Arandela           |                                                                           |
| 10. Maniglia<br>Handle<br>Poignée<br>Maneta             |                                                                           |

CODIFICAZIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

| Pos. | Cod. base | Norme | 1 1/2"<br>38 | D 40<br>40 | 2"<br>51 | D 50<br>52 | 2 1/2"<br>63 | D 65<br>70 | 3"<br>76 | D 80<br>85 | Mat. | Part.<br>o agg. |
|------|-----------|-------|--------------|------------|----------|------------|--------------|------------|----------|------------|------|-----------------|
| 1    | 81        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 6L   | 01              |
| 2    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 6L   | 02              |
| 3    | 71        | W     | 38           | 40         | 51       | 52         | 63           | 70         | 76       | 85         | 6L   | 03              |
| 3    | 71        | D     |              | 40         |          | 50         |              | 65         |          | 80         | 6L   | 03              |
| 3    | 71        | S     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03              |
| 3    | 71        | B     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03              |
| 3    | 71        | I     | 38           |            | 51       |            | 63           |            | 76       |            | 6L   | 03              |
| 4    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | 4L   | 04              |
| 7    | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | T    | 07              |
| 8    | 71        |       | 38/52        | 38/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | 4L   | 08              |
| 9    | 71        |       | 38/52        | 38/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | T    | 09              |
| 10   | 7M8       |       | 25/76        | 25/76      | 25/76    | 25/76      | 25/76        | 25/76      | 25/76    | 85/101     | A    |                 |
| 11   | OR        |       | 3175         | 3175       | 3212     | 3212       | 4275         | 177        | 4325     | 4337       | N    |                 |
| 13   | OR        |       | 108          | 108        | 108      | 108        | 2043         | 2043       | 2043     | 2043       | N    |                 |
| 14   | VE        |       | 6x16         | 6x16       | 6x16     | 6x16       | 6x16         | 6x16       | 6x16     | 6x16       | N    |                 |
| 17   | TCCE      |       | 6x16         | 6x16       | 6x16     | 6x16       | 6x16         | 6x16       | 6x16     | 6x16       | 4L   |                 |
| 18   | 91        |       | 38/52        | 38/52      | 38/52    | 38/52      | 63/85        | 63/85      | 63/85    | 63/85      | T    | 18              |
| 19   | 71        |       | 38/40        | 38/40      | 51/52    | 51/52      | 63           | 70         | 76       | 85         | T    | 19              |



**VALVOLA A SFERA ESTRAIBILE**  
**EXTRACTABLE BALL VALVE**  
**VANNE À BOULE EXTRACTIONNELLE**  
**VÁLVULA DE BOLA EXTRAÍBLE**



- |                                                                                   |                                                                           |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                           | 10. Maniglia<br>Handle<br>Poignée<br>Maneta                               |
| 2. Sfera<br>Ball<br>Boule<br>Bola                                                 | 11. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 3. Flangia<br>Flange<br>Bride<br>Brida                                            | 12. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 4. Perno<br>Spindle<br>Pivot<br>Perno                                             | 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR      |
| 6. Guarnizione sanitaria<br>Sanitary gasket<br>Joint sanitaire<br>Junta sanitaria | 14. Vite esagonale<br>Hexagonal screw<br>Vis 6 pans<br>Tornillo hexagonal |
| 7. Guarnizione<br>Gasket<br>Joint<br>Junta                                        | 17. Vite brugola<br>Allen screw<br>Vis Allen<br>Tornillo Allen            |
| 8. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                            | 18. Rondella<br>Washer<br>Rondelle<br>Arandela                            |
| 9. Rondella<br>Washer<br>Rondelle<br>Arandela                                     |                                                                           |

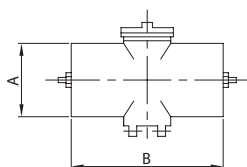
CODIFICAIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

| Pos. | Cod. base | Norme | 1" 25 | D 25 28 | D 32 34 | 1 1/2" 38 | D 40 40 | 2" 51 | D 50 52 | 2 1/2" 63 | D 65 70 | 3" 76 | D 80 85 | Mat. | Part. o agg. |
|------|-----------|-------|-------|---------|---------|-----------|---------|-------|---------|-----------|---------|-------|---------|------|--------------|
| 1    | 91        |       | 25/28 | 25/28   | 34/40   | 34/40     | 34/40   | 51/52 | 51/52   | 63/70     | 63/70   | 76/85 | 76/85   | 6L   | 01           |
| 2    | 91        |       | 25/28 | 25/28   | 34/40   | 34/40     | 34/40   | 51/52 | 51/52   | 63/70     | 63/70   | 76/85 | 76/85   | 6L   | 02           |
| 3    | 91        | W     | 25    | 28      | 34      | 38        | 40      | 51    | 52      | 63        | 70      | 76    | 85      | 6L   | 03           |
| 3    | 91        | D     |       | 25      | 32      |           | 40      |       | 50      |           | 65      |       | 80      | 6L   | 03           |
| 3    | 91        | S     | 25    |         |         | 38        |         | 51    |         | 63        |         | 76    |         | 6L   | 03           |
| 3    | 91        | B     | 25    |         |         | 38        |         | 51    |         | 63        |         | 76    |         | 6L   | 03           |
| 3    | 91        | I     | 25    |         |         | 38        |         | 51    |         | 63        |         | 76    |         | 6L   | 03           |
| 4    | 91        |       | 25/28 | 25/28   | 34/40   | 34/40     | 34/40   | 51/52 | 51/52   | 63/70     | 63/70   | 76/85 | 76/85   | 4L   | 04           |
| 6    | 90        |       | 25/28 | 25/28   | 34/40   | 34/40     | 34/40   | 51/52 | 51/52   | 63/70     | 63/70   | 76/85 | 76/85   | T    | 06           |
| 7    | 91        |       | 25/28 | 25/28   | 34/40   | 34/40     | 34/40   | 51/52 | 51/52   | 63/70     | 63/70   | 76/85 | 76/85   | T    | 07           |
| 8    | 91        |       | 25/52 | 25/52   | 25/52   | 25/52     | 25/52   | 25/52 | 25/52   | 63/85     | 63/85   | 63/85 | 63/85   | 4L   | 08           |
| 9    | 91        |       | 25/52 | 25/52   | 25/52   | 25/52     | 25/52   | 25/52 | 25/52   | 63/85     | 63/85   | 63/85 | 63/85   | T    | 09           |
| 10   | 7M8       |       | 25/52 | 25/52   | 25/52   | 25/52     | 25/52   | 25/52 | 25/52   | 63/85     | 63/85   | 63/85 | 63/85   | A    |              |
| 11   | OR        |       | 4131  | 4131    | 6200    | 6200      | 6200    | 6250  | 6250    | 6337      | 6337    | 189   | 189     | N    |              |
| 12   | OR        |       | 2106  | 2106    | 3162    | 3162      | 3162    | 3206  | 3206    | 3256      | 3256    | 3300  | 3300    | N    |              |
| 13   | OR        |       | 2050  | 2050    | 2050    | 2050      | 2050    | 2050  | 2050    | 2056      | 2056    | 2056  | 2056    | N    |              |
| 14   | VE        |       | 6X12  | 6X12    | 6X16    | 6X16      | 6X16    | 6X16  | 6X16    | 6X16      | 6X16    | 6X16  | 6X16    | 4L   |              |
| 17   | TCCE      |       | 6X16  | 6X16    | 6X16    | 6X16      | 6X16    | 6X16  | 6X16    | 6X16      | 6X16    | 6X16  | 6X16    | 4L   |              |
| 18   | 91        |       | 25/52 | 25/52   | 25/52   | 25/52     | 25/52   | 25/52 | 25/52   | 63/85     | 63/85   | 63/85 | 63/85   | NY   | 18           |



CILINDRO PNEUM. DE.  
PNEUM. ACTUATOR DE.  
VÉRIN PNEUM. DE.  
CILINDRO NEUM. DE.

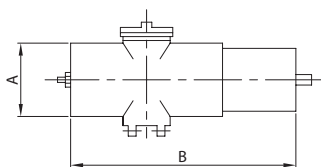
7C1 L



| DN      | A    | B     | gr    |
|---------|------|-------|-------|
| 25/52   | 60,0 | 138,5 | 1.460 |
| 63/85   | 76,0 | 161,0 | 2.100 |
| 101/104 | 89,0 | 180,0 | 2.960 |

CILINDRO PNEUM. SE.  
PNEUM. ACTUATOR SE.  
VÉRIN PNEUM. SE.  
CILINDRO NEUM. SE.

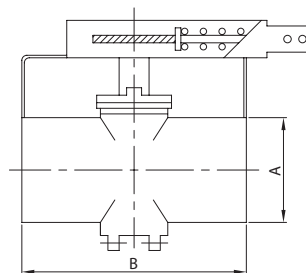
7C2 L



| DN    | A    | B     | gr    |
|-------|------|-------|-------|
| 25/52 | 76,0 | 240,0 | 2.190 |
| 63/85 | 89,0 | 260,0 | 3.150 |

C. PNEUM. REGOL. FLUSSO  
REGUL. FLUX PNEUM. ACT.  
VÉ. PNEUM. RÉGULATION  
CIL. NEUM. REGULACIÓN

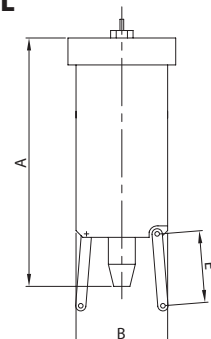
7C1 L M



| DN     | A    | B     | gr    |
|--------|------|-------|-------|
| 25/104 | 89,0 | 180,0 | 4.160 |

C. PNEUM. SE. VERTICALE  
PNEUM. ACT. SE. VERTICAL  
VÉ. PNEUM. SE. VERTICALE  
CIL. NEUM. SE. VERTICAL

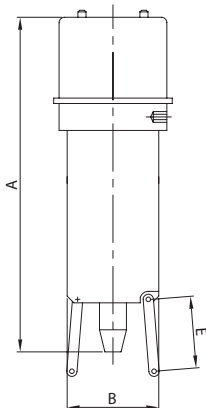
7C4 L



| DN     | A     | B    | E    | gr    |
|--------|-------|------|------|-------|
| 25/52  | 211,0 | 76,0 | 64,0 | 3.700 |
| 63/104 | 211,0 | 76,0 | 58,0 | 3.700 |

C. PN. UNITÀ CONTR.  
CONTR. UNIT PN. ACT.  
VÉ. PN. UNITÉ CONTR.  
CIL. N. UNIDAD CONTR.

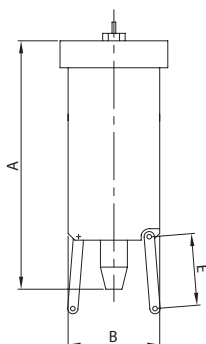
7C4 UC



| DN     | A     | B    | E    | gr    |
|--------|-------|------|------|-------|
| 25/52  | 316,0 | 76,0 | 64,0 | 3.900 |
| 63/104 | 316,0 | 76,0 | 58,0 | 3.900 |

C. PN. DE. VERTICALE  
PN. ACT. DE. VERTICAL  
VÉ. PN. DE. VERTICALE  
CIL. N. DE. VERTICAL

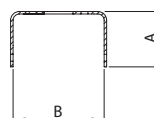
7C5 L



| DN     | A     | B    | E    | gr    |
|--------|-------|------|------|-------|
| 25/52  | 211,0 | 76,0 | 64,0 | 3.700 |
| 63/104 | 211,0 | 76,0 | 58,0 | 3.700 |

STAFFA  
BRACKET  
SUPPORT  
BRIDA

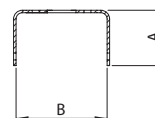
7C9 91



| DN | A    | B    | gr  |
|----|------|------|-----|
| 25 | 59,0 | 46,0 | 200 |
| 38 | 62,0 | 62,0 | 210 |
| 51 | 66,5 | 74,0 | 240 |
| 63 | 68,5 | 88,0 | 260 |
| 76 | 66,0 | 99,0 | 260 |

STAFFA  
BRACKET  
SUPPORT  
BRIDA

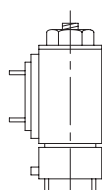
7C9 51



| DN  | A    | B     | gr  |
|-----|------|-------|-----|
| 25  | 68,5 | 45,0  | 220 |
| 38  | 80,5 | 61,0  | 240 |
| 51  | 77,0 | 72,0  | 260 |
| 63  | 75,5 | 86,0  | 300 |
| 76  | 76,0 | 97,0  | 300 |
| 101 | 75,5 | 126,0 | 330 |

ELETTROVALVOLA  
SOLENOID VALVE  
ÉLECTROVANNE  
ELECTROVÁLVULA

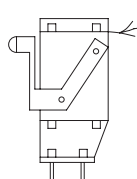
015 NC



015 NA

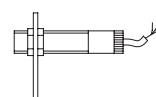
MICROINTERRUTTORE  
MICROSWITCH  
MINIRUPTEUR  
MICRORRUPTOR

014 1



CONTATTO DI PROSSIMITÀ  
PROXIMITY CONTACT  
CONTACT DE PROXIMITÉ  
MICROSENSOR

013 O

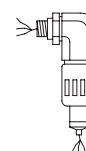


013 S

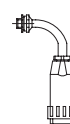


CONNETTORE  
CONNECTOR  
CONNECTEUR  
CONECTOR

030 H



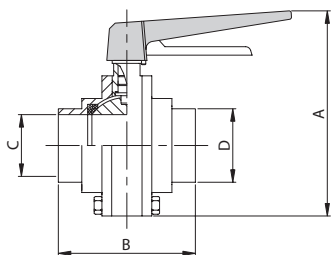
030 S





V. SFERA COMPATTA EL.  
COMPACT BALL V. PE.  
V. BOULE COMPACTE BL.  
V. BOLA COMPACTA EL.

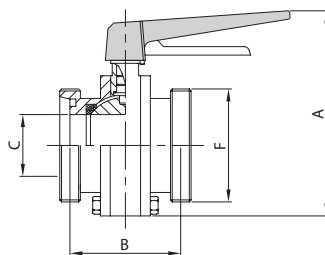
W71



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 40,0 | 1.600 |
| 52 | 155,0 | 80,0  | 49,0 | 52,0 | 2.600 |
| 70 | 187,0 | 112,0 | 66,0 | 70,0 | 4.700 |
| 85 | 204,0 | 121,0 | 81,0 | 85,0 | 5.500 |

V. SFERA COMPATTA EF.  
COMPACT BALL V. ME.  
V. BOULE COMPACTE BF.  
V. BOLA COMPACTA ER.

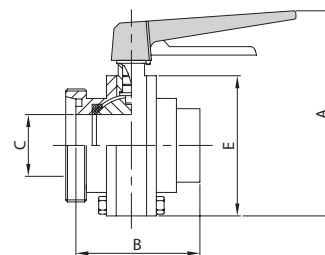
D71



| DN | A     | B     | C    | F     | gr    |
|----|-------|-------|------|-------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 65-6  | 1.900 |
| 50 | 155,0 | 106,0 | 66,0 | 96-6  | 2.900 |
| 65 | 187,0 | 114,0 | 81,0 | 110-4 | 5.300 |
| 80 | 204,0 | 114,0 | 81,0 | 110-4 | 6.300 |

V. SFERA COMPATTA EL./EF.  
COMPACT BALL V. PE./ME.  
V. BOULE COMPACTE BL./BF.  
V. BOLA COMPACTA EL./ER.

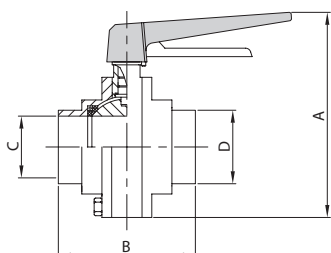
WD71



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 81,0  | 1.750 |
| 50 | 155,0 | 78,0  | 49,0 | 98,0  | 2.750 |
| 65 | 187,0 | 109,0 | 66,0 | 130,0 | 5.000 |
| 80 | 204,0 | 117,5 | 81,0 | 147,0 | 5.800 |

VALVOLA SFERA EL.  
BALL VALVE PE.  
VANNE BOULE BL.  
VÁLVULA BOLA EL.

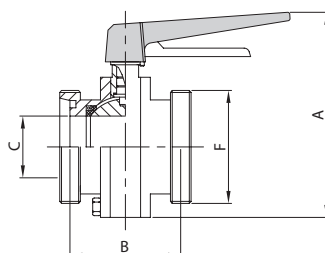
W81



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 40,0 | 1.600 |
| 52 | 155,0 | 80,0  | 49,0 | 52,0 | 2.600 |
| 70 | 187,0 | 112,0 | 66,0 | 70,0 | 4.700 |
| 85 | 204,0 | 121,0 | 81,0 | 85,0 | 5.500 |

VALVOLA SFERA EF.  
BALL VALVE ME.  
VANNE BOULE BF.  
VÁLVULA BOLA ER.

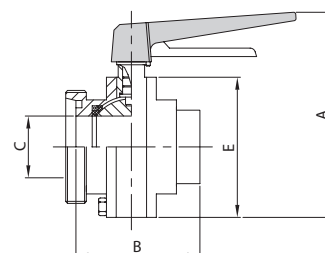
D81



| DN | A     | B     | C    | F     | gr    |
|----|-------|-------|------|-------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 65-6  | 1.900 |
| 50 | 155,0 | 76,0  | 49,0 | 78-6  | 2.900 |
| 65 | 187,0 | 106,0 | 66,0 | 96-6  | 5.300 |
| 80 | 204,0 | 114,0 | 81,0 | 110-4 | 6.300 |

VALVOLA SFERA EL./EF.  
BALL VALVE PE./ME.  
VANNE BOULE BL./BF.  
VÁLVULA BOLA EL./ER.

WD81



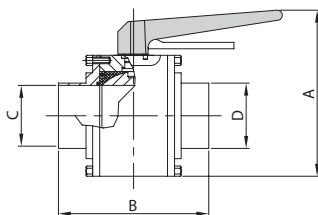
| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 40 | 138,0 | 73,0  | 37,0 | 81,0  | 1.750 |
| 50 | 155,0 | 78,0  | 49,0 | 98,0  | 2.750 |
| 65 | 187,0 | 109,0 | 66,0 | 130,0 | 5.000 |
| 80 | 204,0 | 117,5 | 81,0 | 147,0 | 5.800 |





V. SFERA ESTRAIBILE SANIT. EL.  
SANIT. EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACT. SANIT. BL.  
V. BOLA EXTRAIBLE SANIT. EL.

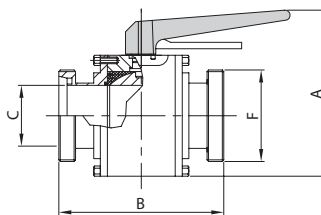
## W90



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 28 | 110,0 | 96,0  | 25,0 | 28,0 | 1.130 |
| 34 | 130,0 | 109,0 | 31,0 | 34,0 | 2.070 |
| 40 | 130,0 | 109,0 | 37,0 | 40,0 | 2.070 |
| 52 | 145,0 | 124,0 | 49,0 | 52,0 | 2.800 |
| 70 | 168,0 | 135,0 | 66,0 | 70,0 | 4.840 |
| 85 | 182,0 | 158,0 | 81,0 | 85,0 | 7.480 |

V. SFERA ESTRAIBILE SANIT. EF.  
SANIT. EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACT. SANIT. BF.  
V. BOLA EXTRAIBLE SANIT. ER.

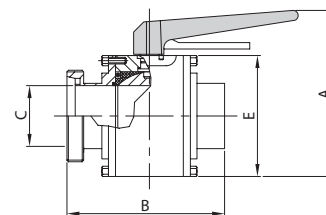
## D90



| DN | A     | B     | C    | F     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 88,0  | 25,0 | 52-6  | 1.330 |
| 32 | 130,0 | 103,0 | 31,0 | 58-6  | 2.370 |
| 40 | 130,0 | 103,0 | 37,0 | 65-6  | 2.370 |
| 50 | 145,0 | 116,0 | 49,0 | 78-6  | 3.100 |
| 65 | 168,0 | 134,0 | 66,0 | 95-6  | 5.440 |
| 80 | 182,0 | 153,0 | 81,0 | 110-4 | 8.080 |

V. SFERA ESTR. SANIT. EL./EF.  
SANIT. EXTRACT. BALL V. PE./ME.  
V. BOULE EXTR. SANIT. BL./BF.  
V. BOLA EXTR. SANIT. EL./ER.

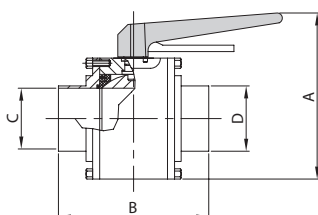
## WD90



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 91,5  | 25,0 | 60,0  | 1.230 |
| 32 | 130,0 | 106,0 | 31,0 | 80,0  | 2.220 |
| 40 | 130,0 | 106,0 | 37,0 | 80,0  | 2.220 |
| 50 | 145,0 | 120,0 | 49,0 | 95,0  | 2.950 |
| 65 | 168,0 | 134,5 | 66,0 | 118,0 | 5.140 |
| 80 | 182,0 | 155,5 | 81,0 | 132,0 | 7.780 |

V. SFERA ESTRAIBILE EL.  
EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACTIBLE BL.  
V. BOLA EXTRAIBLE EL.

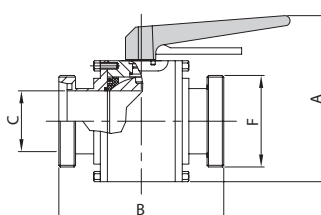
## W91



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 28 | 110,0 | 96,0  | 25,0 | 28,0 | 1.120 |
| 34 | 130,0 | 109,0 | 31,0 | 34,0 | 2.060 |
| 40 | 130,0 | 109,0 | 37,0 | 40,0 | 2.060 |
| 52 | 145,0 | 124,0 | 49,0 | 52,0 | 2.780 |
| 70 | 168,0 | 135,0 | 66,0 | 70,0 | 4.820 |
| 85 | 182,0 | 158,0 | 81,0 | 85,0 | 7.450 |

V. SFERA ESTRAIBILE EF.  
EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACTIBLE BF.  
V. BOLA EXTRAIBLE ER.

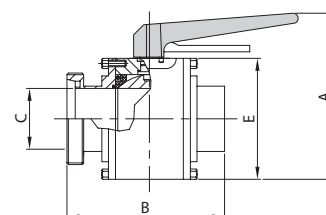
## D91



| DN | A     | B     | C    | F     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 88,0  | 25,0 | 52-6  | 1.320 |
| 32 | 130,0 | 103,0 | 31,0 | 58-6  | 2.360 |
| 40 | 130,0 | 103,0 | 37,0 | 65-6  | 2.360 |
| 50 | 145,0 | 116,0 | 49,0 | 78-6  | 3.080 |
| 65 | 168,0 | 134,0 | 66,0 | 95-6  | 5.420 |
| 80 | 182,0 | 153,0 | 81,0 | 110-4 | 8.050 |

V. SFERA ESTRAIBILE EL./EF.  
EXTRACTABLE BALL V. PE./ME.  
V. BOULE EXTRACTIBLE BL./BF.  
V. BOLA EXTRAIBLE EL./ER.

## WD91

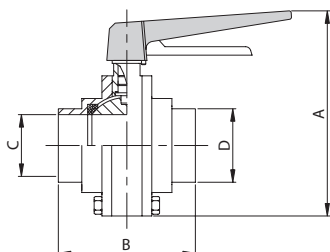


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 91,5  | 25,0 | 60,0  | 1.220 |
| 32 | 130,0 | 106,0 | 31,0 | 80,0  | 2.210 |
| 40 | 130,0 | 106,0 | 37,0 | 80,0  | 2.210 |
| 50 | 145,0 | 120,0 | 49,0 | 95,0  | 2.930 |
| 65 | 168,0 | 134,5 | 66,0 | 118,0 | 5.120 |
| 80 | 182,0 | 155,5 | 81,0 | 132,0 | 7.750 |



V. SFERA COMPATTA EL.  
COMPACT BALL V. PE.  
V. BOULE COMPACTE BL.  
V. BOLA COMPACTA EL.

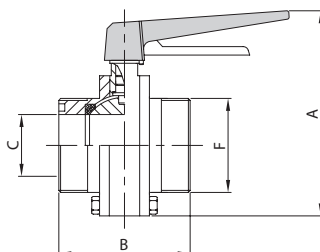
W71



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

V. SFERA COMPATTA EF.  
COMPACT BALL V. ME.  
V. BOULE COMPACTE BF.  
V. BOLA COMPACTA ER.

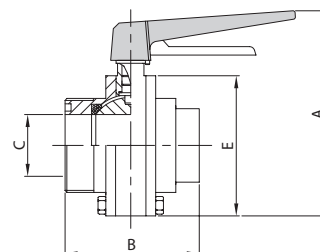
S71



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 87,0  | 35,1 | 60-6 | 1.900 |
| 51 | 155,0 | 90,0  | 47,8 | 70-6 | 2.900 |
| 63 | 176,0 | 105,0 | 60,5 | 85-6 | 4.600 |
| 76 | 190,0 | 121,0 | 72,9 | 98-6 | 5.600 |

V. SFERA COMPATTA EL./EF.  
COMPACT BALL V. PE./ME.  
V. BOULE COMPACTE BL./BF.  
V. BOLA COMPACTA EL./ER.

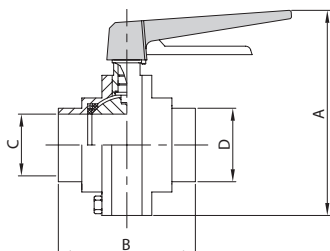
WS71



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 80,0  | 35,1 | 81,0  | 1.750 |
| 51 | 155,0 | 85,0  | 47,8 | 98,0  | 2.750 |
| 63 | 176,0 | 101,0 | 60,5 | 119,0 | 4.300 |
| 76 | 190,0 | 115,0 | 72,9 | 133,0 | 5.300 |

VALVOLA SFERA EL.  
BALL VALVE PE.  
VANNE BOULE BL.  
VÁLVULA BOLA EL.

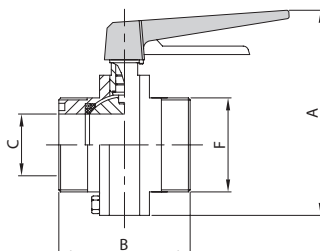
W81



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

VALVOLA SFERA EF.  
BALL VALVE ME.  
VANNE BOULE BF.  
VÁLVULA BOLA ER.

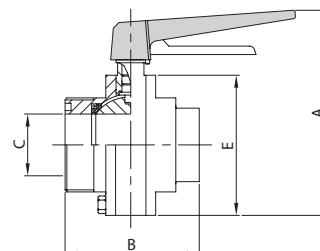
S81



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 87,0  | 35,1 | 60-6 | 1.900 |
| 51 | 155,0 | 90,0  | 47,8 | 70-6 | 2.900 |
| 63 | 176,0 | 105,0 | 60,5 | 85-6 | 4.600 |
| 76 | 190,0 | 121,0 | 72,9 | 98-6 | 5.600 |

VALVOLA SFERA EL./EF.  
BALL VALVE PE./ME.  
VANNE BOULE BL./BF.  
VÁLVULA BOLA EL./ER.

WS81

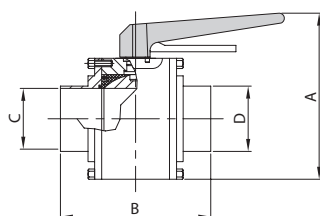


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 80,0  | 35,1 | 81,0  | 1.750 |
| 51 | 155,0 | 85,0  | 47,8 | 98,0  | 2.750 |
| 63 | 176,0 | 101,0 | 60,5 | 119,0 | 4.300 |
| 76 | 190,0 | 115,0 | 72,9 | 133,0 | 5.300 |



V. SFERA ESTRAIBILE SANIT. EL.  
SANIT. EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACT. SANIT. BL.  
V. BOLA EXTRAIBLE SANIT. EL.

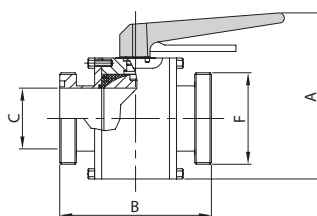
## W90



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.130 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.070 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.800 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.840 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.480 |

V. SFERA ESTRAIBILE SANIT. EF.  
SANIT. EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACT. SANIT. BF.  
V. BOLA EXTRAIBLE SANIT. ER.

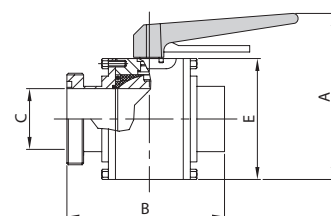
## S90



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 40-6 | 1.330 |
| 38 | 130,0 | 120,0 | 34,8 | 60-6 | 2.370 |
| 51 | 145,0 | 134,0 | 47,5 | 70-6 | 3.100 |
| 63 | 168,0 | 156,0 | 60,2 | 85-6 | 5.440 |
| 76 | 182,0 | 167,0 | 72,0 | 98-6 | 8.080 |

V. SFERA ESTR. SANIT. EL./EF.  
SANIT. EXTRACT. BALL V. PE./ME.  
V. BOULE EXTR. SANIT. BL./BF.  
V. BOLA EXTR. SANIT. EL./ER.

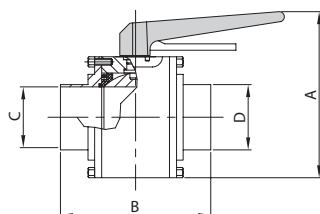
## WS90



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 60,0  | 1.230 |
| 38 | 130,0 | 114,5 | 34,8 | 80,0  | 2.220 |
| 51 | 145,0 | 129,0 | 47,5 | 95,0  | 2.950 |
| 63 | 168,0 | 145,5 | 60,2 | 118,0 | 5.140 |
| 76 | 182,0 | 162,5 | 72,0 | 132,0 | 7.780 |

V. SFERA ESTRAIBILE EL.  
EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACTIBLE BL.  
V. BOLA EXTRAIBLE EL.

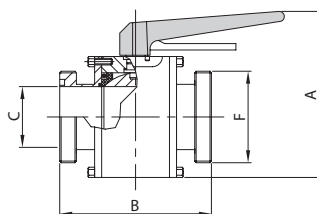
## W91



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.120 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.060 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.780 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.820 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.450 |

V. SFERA ESTRAIBILE EF.  
EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACTIBLE BF.  
V. BOLA EXTRAIBLE ER.

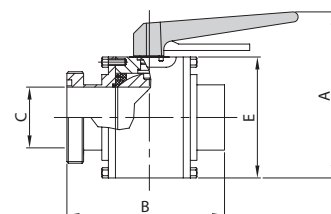
## S91



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 40-6 | 1.320 |
| 38 | 130,0 | 120,0 | 34,8 | 60-6 | 2.360 |
| 51 | 145,0 | 134,0 | 47,5 | 70-6 | 3.080 |
| 63 | 168,0 | 156,0 | 60,2 | 85-6 | 5.420 |
| 76 | 182,0 | 167,0 | 72,0 | 98-6 | 8.050 |

V. SFERA ESTRAIBILE EL./EF.  
EXTRACTABLE BALL V. PE./ME.  
V. BOULE EXTRACTIBLE BL./BF.  
V. BOLA EXTRAIBLE EL./ER.

## WS91

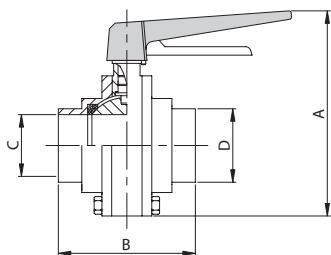


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 60,0  | 1.220 |
| 38 | 130,0 | 114,5 | 34,8 | 80,0  | 2.210 |
| 51 | 145,0 | 129,0 | 47,5 | 95,0  | 2.930 |
| 63 | 168,0 | 145,5 | 60,2 | 118,0 | 5.120 |
| 76 | 182,0 | 162,5 | 72,0 | 132,0 | 7.750 |



V. SFERA COMPATTA EL.  
COMPACT BALL V. PE.  
V. BOULE COMPACTE BL.  
V. BOLA COMPACTA EL.

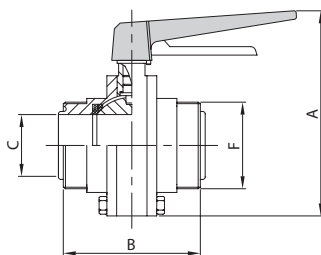
## W71



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

V. SFERA COMPATTA EF.  
COMPACT BALL V. ME.  
V. BOULE COMPACTE BF.  
V. BOLA COMPACTA ER.

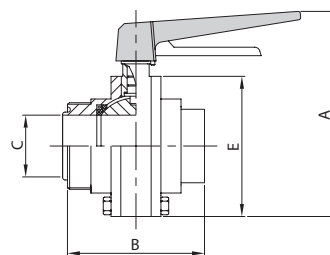
## B71



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 88,0  | 34,8 | 58-8 | 1.900 |
| 51 | 155,0 | 94,0  | 47,5 | 73-6 | 2.900 |
| 63 | 176,0 | 102,0 | 60,2 | 85-6 | 4.600 |
| 76 | 190,0 | 116,0 | 72,9 | 98-6 | 5.600 |

V. SFERA COMPATTA EL./EF.  
COMPACT BALL V. PE./ME.  
V. BOULE COMPACTE BL./BF.  
V. BOLA COMPACTA EL./ER.

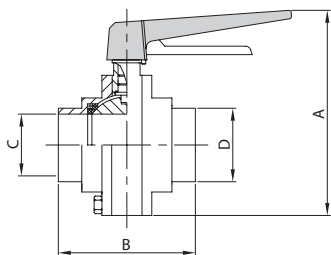
## WB71



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 80,5  | 34,8 | 81,0  | 1.750 |
| 51 | 155,0 | 87,0  | 47,5 | 98,0  | 2.750 |
| 63 | 176,0 | 99,5  | 60,2 | 119,0 | 4.300 |
| 76 | 190,0 | 112,5 | 72,9 | 133,0 | 5.300 |

VALVOLA SFERA EL.  
BALL VALVE PE.  
VANNE BOULE BL.  
VÁLVULA BOLA EL.

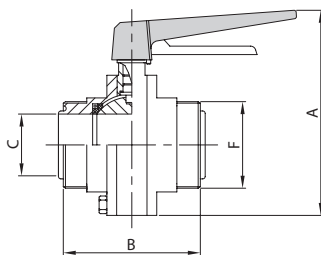
## W81



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

VALVOLA SFERA EF.  
BALL VALVE ME.  
VANNE BOULE BF.  
VÁLVULA BOLA ER.

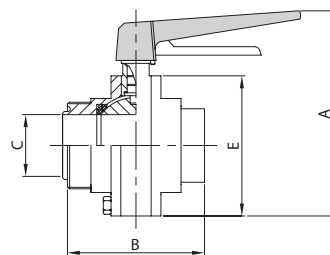
## B81



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 88,0  | 34,8 | 58-8 | 1.900 |
| 51 | 155,0 | 94,0  | 47,5 | 73-6 | 2.900 |
| 63 | 176,0 | 102,0 | 60,2 | 85-6 | 4.600 |
| 76 | 190,0 | 116,0 | 72,9 | 98-6 | 5.600 |

VALVOLA SFERA EL./EF.  
BALL VALVE PE./ME.  
VANNE BOULE BL./BF.  
VÁLVULA BOLA EL./ER.

## WB81

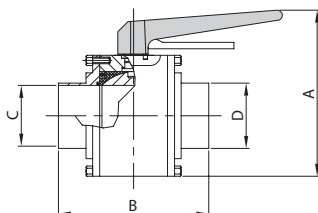


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 80,5  | 34,8 | 81,0  | 1.750 |
| 51 | 155,0 | 87,0  | 47,5 | 98,0  | 2.750 |
| 63 | 176,0 | 99,5  | 60,2 | 119,0 | 4.300 |
| 76 | 190,0 | 112,5 | 72,9 | 133,0 | 5.300 |



V. SFERA ESTRAIBILE SANIT. EL.  
SANIT. EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACT. SANIT. BL.  
V. BOLA EXTRAIBLE SANIT. EL.

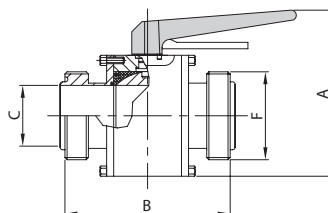
## W90



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.130 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.070 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.800 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.840 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.480 |

V. SFERA ESTRAIBILE SANIT. EF.  
SANIT. EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACT. SANIT. BF.  
V. BOLA EXTRAIBLE SANIT. ER.

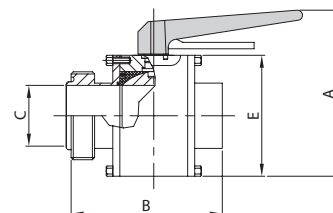
## B90



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 102,0 | 22,1 | 46-8 | 1.330 |
| 38 | 130,0 | 119,0 | 34,8 | 58-8 | 2.370 |
| 51 | 145,0 | 130,0 | 47,5 | 73-6 | 3.100 |
| 63 | 168,0 | 146,0 | 60,2 | 85-6 | 5.440 |
| 76 | 182,0 | 158,0 | 72,0 | 98-6 | 8.080 |

V. SFERA ESTR. SANIT. EL./EF.  
SANIT. EXTRACT. BALL V. PE./ME.  
V. BOULE EXTR. SANIT. BL./BF.  
V. BOLA EXTR. SANIT. EL./ER.

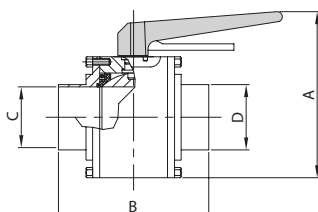
## WB90



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 99,0  | 22,1 | 60,0  | 1.230 |
| 38 | 130,0 | 114,0 | 34,8 | 80,0  | 2.220 |
| 51 | 145,0 | 127,0 | 47,5 | 95,0  | 2.950 |
| 63 | 168,0 | 140,5 | 60,2 | 118,0 | 5.140 |
| 76 | 182,0 | 158,0 | 72,0 | 132,0 | 7.780 |

V. SFERA ESTRAIBILE EL.  
EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACTIBLE BL.  
V. BOLA EXTRAIBLE EL.

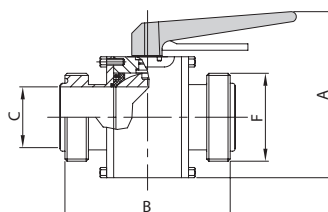
## W91



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.120 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.060 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.780 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.820 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.450 |

V. SFERA ESTRAIBILE EF.  
EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACTIBLE BF.  
V. BOLA EXTRAIBLE ER.

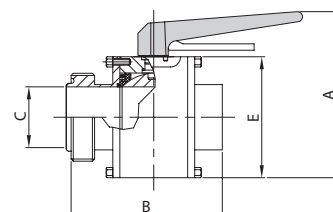
## B91



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 102,0 | 22,1 | 46-8 | 1.320 |
| 38 | 130,0 | 119,0 | 34,8 | 58-8 | 2.360 |
| 51 | 145,0 | 130,0 | 47,5 | 73-6 | 3.080 |
| 63 | 168,0 | 146,0 | 60,2 | 85-6 | 5.420 |
| 76 | 182,0 | 158,0 | 72,0 | 98-6 | 8.050 |

V. SFERA ESTRAIBILE EL./EF.  
EXTRACTABLE BALL V. PE./ME.  
V. BOULE EXTRACTIBLE BL./BF.  
V. BOLA EXTRAIBLE EL./ER.

## WB91

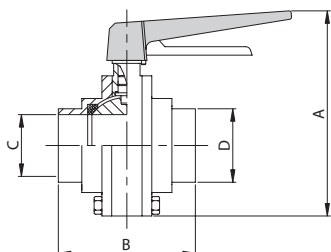


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 99,0  | 22,1 | 60,0  | 1.220 |
| 38 | 130,0 | 114,0 | 34,8 | 80,0  | 2.210 |
| 51 | 145,0 | 127,0 | 47,5 | 95,0  | 2.930 |
| 63 | 168,0 | 140,5 | 60,2 | 118,0 | 5.120 |
| 76 | 182,0 | 158,0 | 72,0 | 132,0 | 7.750 |



V. SFERA COMPATTA EL.  
COMPACT BALL V. PE.  
V. BOULE COMPACTE BL.  
V. BOLA COMPACTA EL.

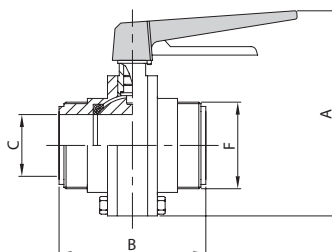
W71



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

V. SFERA COMPATTA EF.  
COMPACT BALL V. ME.  
V. BOULE COMPACTE BF.  
V. BOLA COMPACTA ER.

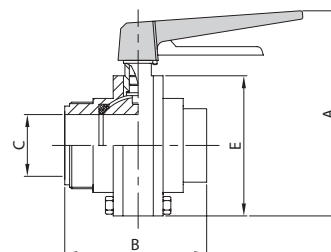
I71



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 93,0  | 34,8 | 50-8 | 1.900 |
| 51 | 155,0 | 104,0 | 47,5 | 64-8 | 2.900 |
| 63 | 176,0 | 120,0 | 60,2 | 77-8 | 4.600 |
| 76 | 190,0 | 131,0 | 72,9 | 91-8 | 5.600 |

V. SFERA COMPATTA EL./EF.  
COMPACT BALL V. PE./ME.  
V. BOULE COMPACTE BL./BF.  
V. BOLA COMPACTA EL./ER.

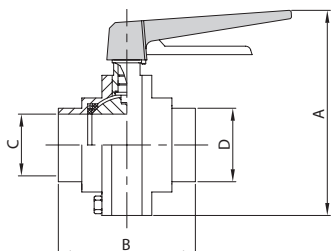
WI71



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 83,0  | 34,8 | 81,0  | 1.750 |
| 51 | 155,0 | 92,0  | 47,5 | 98,0  | 2.750 |
| 63 | 176,0 | 108,0 | 60,2 | 119,0 | 4.300 |
| 76 | 190,0 | 120,0 | 72,9 | 133,0 | 5.300 |

VALVOLA SFERA EL.  
BALL VALVE PE.  
VANNE BOULE BL.  
VÁLVULA BOLA EL.

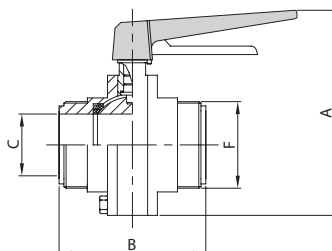
W81



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 73,0  | 35,1 | 38,1 | 1.600 |
| 51 | 155,0 | 80,0  | 47,8 | 50,8 | 2.600 |
| 63 | 176,0 | 97,0  | 60,5 | 63,5 | 4.000 |
| 76 | 190,0 | 109,0 | 72,9 | 76,2 | 5.000 |

VALVOLA SFERA EF.  
BALL VALVE ME.  
VANNE BOULE BF.  
VÁLVULA BOLA ER.

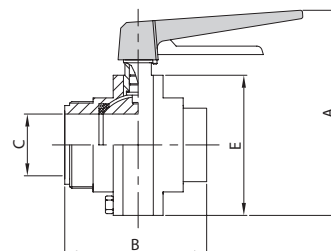
I81



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 38 | 138,0 | 93,0  | 34,8 | 50-8 | 1.900 |
| 51 | 155,0 | 104,0 | 47,5 | 64-8 | 2.900 |
| 63 | 176,0 | 120,0 | 60,2 | 77-8 | 4.600 |
| 76 | 190,0 | 131,0 | 72,9 | 91-8 | 5.600 |

VALVOLA SFERA EL./EF.  
BALL VALVE PE./ME.  
VANNE BOULE BL./BF.  
VÁLVULA BOLA EL./ER.

WI81

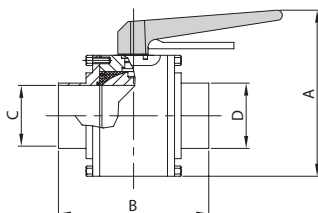


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 38 | 138,0 | 83,0  | 34,8 | 81,0  | 1.750 |
| 51 | 155,0 | 92,0  | 47,5 | 98,0  | 2.750 |
| 63 | 176,0 | 108,0 | 60,2 | 119,0 | 4.300 |
| 76 | 190,0 | 120,0 | 72,9 | 133,0 | 5.300 |



V. SFERA ESTRAIBILE SANIT. EL.  
SANIT. EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACT. SANIT. BL.  
V. BOLA EXTRAIBLE SANIT. EL.

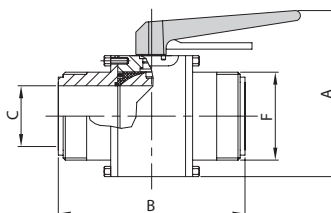
## W90



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.130 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.070 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.800 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.840 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.480 |

V. SFERA ESTRAIBILE SANIT. EF.  
SANIT. EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACT. SANIT. BF.  
V. BOLA EXTRAIBLE SANIT. ER.

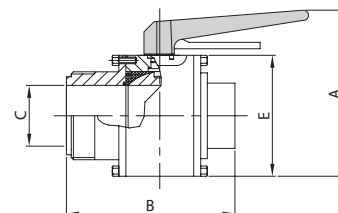
## I90



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 108,0 | 22,1 | 37-8 | 1.330 |
| 38 | 130,0 | 123,0 | 34,8 | 50-8 | 2.370 |
| 51 | 145,0 | 136,0 | 47,5 | 64-8 | 3.100 |
| 63 | 168,0 | 150,0 | 60,2 | 77-8 | 5.440 |
| 76 | 182,0 | 161,0 | 72,0 | 91-8 | 8.080 |

V. SFERA ESTR. SANIT. EL./EF.  
SANIT. EXTRACT. BALL V. PE./ME.  
V. BOULE EXTR. SANIT. BL./BF.  
V. BOLA EXTR. SANIT. EL./ER.

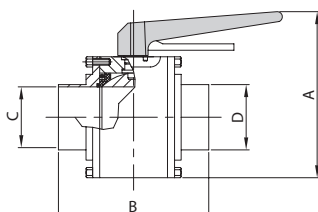
## WI90



| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 102,0 | 22,1 | 60,0  | 1.230 |
| 38 | 130,0 | 116,0 | 34,8 | 80,0  | 2.220 |
| 51 | 145,0 | 130,0 | 47,5 | 95,0  | 2.950 |
| 63 | 168,0 | 142,5 | 60,2 | 118,0 | 5.140 |
| 76 | 182,0 | 159,5 | 72,0 | 132,0 | 7.780 |

V. SFERA ESTRAIBILE EL.  
EXTRACTABLE BALL V. PE.  
V. BOULE EXTRACTIBLE BL.  
V. BOLA EXTRAIBLE EL.

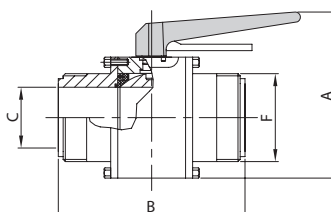
## W91



| DN | A     | B     | C    | D    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 96,0  | 22,1 | 25,4 | 1.120 |
| 38 | 130,0 | 109,0 | 34,8 | 38,1 | 2.060 |
| 51 | 145,0 | 124,0 | 47,5 | 50,8 | 2.780 |
| 63 | 168,0 | 135,0 | 60,2 | 63,5 | 4.820 |
| 76 | 182,0 | 158,0 | 72,0 | 76,2 | 7.450 |

V. SFERA ESTRAIBILE EF.  
EXTRACTABLE BALL V. ME.  
V. BOULE EXTRACTIBLE BF.  
V. BOLA EXTRAIBLE ER.

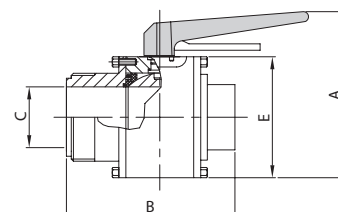
## I91



| DN | A     | B     | C    | F    | gr    |
|----|-------|-------|------|------|-------|
| 25 | 110,0 | 108,0 | 22,1 | 37-8 | 1.320 |
| 38 | 130,0 | 123,0 | 34,8 | 50-8 | 2.360 |
| 51 | 145,0 | 136,0 | 47,5 | 64-8 | 3.080 |
| 63 | 168,0 | 150,0 | 60,2 | 77-8 | 5.420 |
| 76 | 182,0 | 161,0 | 72,0 | 91-8 | 8.050 |

V. SFERA ESTRAIBILE EL./EF.  
EXTRACTABLE BALL V. PE./ME.  
V. BOULE EXTRACTIBLE BL./BF.  
V. BOLA EXTRAIBLE EL./ER.

## WI91

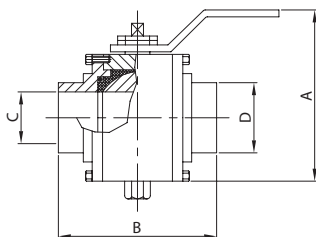


| DN | A     | B     | C    | E     | gr    |
|----|-------|-------|------|-------|-------|
| 25 | 110,0 | 102,0 | 22,1 | 60,0  | 1.220 |
| 38 | 130,0 | 116,0 | 34,8 | 80,0  | 2.210 |
| 51 | 145,0 | 130,0 | 47,5 | 95,0  | 2.930 |
| 63 | 168,0 | 142,5 | 60,2 | 118,0 | 5.120 |
| 76 | 182,0 | 159,5 | 72,0 | 132,0 | 7.750 |



V. SFERA SAN. DRENAGGIO EL.  
SAN. DRAINAGE BALL V. PE.  
V. BOULE SAN. DRAINAGE BL.  
V. BOLA SAN. DRENAJE EL.

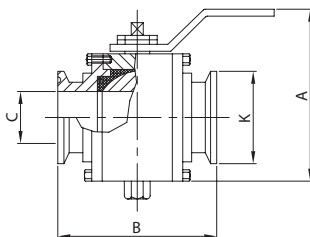
## W50



| DN        | A     | B     | C    | D     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 25,4  | 1.100  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 38,1  | 2.090  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 50,8  | 3.140  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,2 | 63,5  | 4.730  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 76,2  | 6.940  |
| 4" 101    | 202,0 | 170,0 | 97,4 | 101,6 | 13.570 |

V. SFERA SAN. DR. E. SM.  
SAN. DR. BALL V. E. FR.  
V. BOULE SAN. DR. B. FR.  
V. BOLA SAN. DR. E. SM.

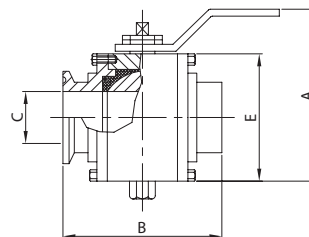
## K50



| DN        | A     | B     | C    | K     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 50,5  | 1.120  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 50,5  | 2.120  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 64,0  | 3.190  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,2 | 77,5  | 4.790  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 91,0  | 7.010  |
| 4" 101    | 202,0 | 170,0 | 97,4 | 119,0 | 13.670 |

V. SFERA SAN. DR. EL./E. SM.  
SAN. DR. BALL V. PE./E. FR.  
V. BOULE SAN. DR. BL./B. FR.  
V. BOLA SAN. DR. EL./E. SM.

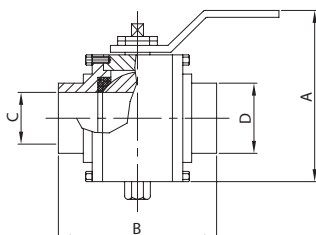
## WK50



| DN        | A     | B     | C    | E     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 58,0  | 1.110  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 77,0  | 2.105  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 93,0  | 3.165  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,2 | 113,0 | 4.760  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 129,0 | 6.975  |
| 4" 101    | 202,0 | 170,0 | 97,4 | 169,0 | 13.620 |

VALVOLA SFERA DRENAGGIO EL.  
DRAINAGE BALL VALVE PE.  
VANNE BOULE DRAINAGE BL.  
VÁLVULA BOLA DRENAJE EL.

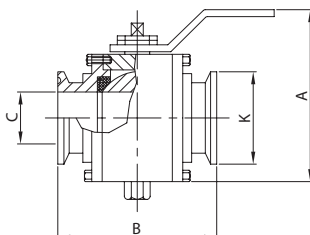
## W51



| DN        | A     | B     | C    | D     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 25,4  | 1.090  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 38,1  | 2.080  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 50,8  | 3.120  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,0 | 63,5  | 4.710  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 76,2  | 6.910  |
| 4" 101    | 202,0 | 170,0 | 97,0 | 101,6 | 13.530 |

V. SFERA DRENAGGIO E. SM.  
DRAINAGE BALL V. E. FR.  
V. BOULE DRAINAGE B. FR.  
V. BOLA DRENAJE E. SM.

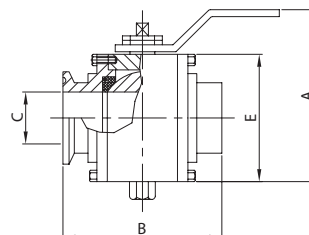
## K51



| DN        | A     | B     | C    | K     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 50,5  | 1.110  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 50,5  | 2.110  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 64,0  | 3.170  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,0 | 77,5  | 4.770  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 91,0  | 6.980  |
| 4" 101    | 202,0 | 170,0 | 97,0 | 119,0 | 13.630 |

V. SFERA DRENAGGIO EL./E. SM.  
DRAINAGE BALL V. PE./E. FR.  
V. BOULE DRAINAGE BL./B. FR.  
V. BOLA DRENAJE EL./E. SM.

## WK51



| DN        | A     | B     | C    | E     | gr     |
|-----------|-------|-------|------|-------|--------|
| 1" 25     | 90,0  | 95,0  | 22,1 | 58,0  | 1.110  |
| 1 1/2" 38 | 110,0 | 107,0 | 34,8 | 77,0  | 2.095  |
| 2" 51     | 126,0 | 118,0 | 47,5 | 93,0  | 3.145  |
| 2 1/2" 63 | 143,0 | 135,0 | 60,0 | 113,0 | 4.740  |
| 3" 76     | 163,0 | 158,0 | 72,0 | 129,0 | 6.945  |
| 4" 101    | 202,0 | 170,0 | 97,0 | 169,0 | 13.580 |