



## VALVOLE A MEMBRANA

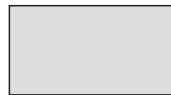
- Realizzate seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.
- Corpo in acciaio inossidabile AISI 316L realizzato mediante stampaggio a caldo, solubilizzato, lavorato meccanicamente e lucidato.
- Comandi manuali e pneumatici in acciaio inossidabile AISI 316L per sterilizzazioni a elevate temperature.
- Membrane in EPDM o PTFE. Membrane in EPDM e supporti elastici per le membrane in PTFE telati per conferire maggiore resistenza meccanica.
- Perfetta tenuta e completo isolamento da fattori inquinanti esterni.
- Completo autodrenaggio di tutte le parti interne durante le fasi di lavaggio CIP.
- Manutenzioni ridotte "top entry" con facilità di accesso e senza necessità di smontare la valvola dall'impianto.
- Produzione standard: estremità Clamp o estremità a saldare. A richiesta, disponibili con estremità filettate norme DIN, SMS, RJT, ISS o estremità flangiate UNI, DIN, ANSI.
- Finitura standard: lucidatura esterna e satinatura interna grana 150 (finitura LS); a richiesta, lucidatura esterna e interna grana 240 (finitura LL), lucidatura elettrolitica grana 400 (finitura LE).
- Max. pressione di esercizio: 7 bar.

## DIAPHRAGM VALVES

- Produced in strict conformity with criteria and tests required by 3-A standards.
- Press-forged, solution heat-treated, machined and polished AISI 316L stainless steel body.
- AISI 316L stainless steel manual and pneumatic controls for high temperature sterilization.
- EPDM or PTFE diaphragms. EPDM diaphragms and elastic supports for the PTFE diaphragms fabric-finished to give high mechanical strength.
- Perfect seal and complete insulation from external pollutants.
- Complete self-drainage of all internal parts during CIP process.
- Reduced top-entry maintenance with easy access and no need to remove the valve from the system.
- Standard production: Clamp or welded ends. Available on request with threaded ends to DIN, SMS, RJT and ISS standards or flanged ends to UNI, DIN, ANSI standards.
- Standard finish: 150 grain external polishing and internal glazing (LS finish); on request 240 grain external and internal polishing (LL finish), 400 grain electrolytic polishing (LE finish).
- Maximum operating pressure: 7 bars.

## VANNES À MEMBRANE

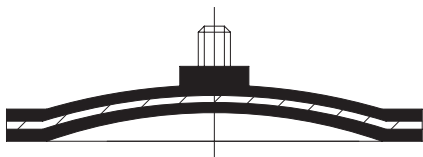
- Réalisées en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.
- Corps en acier inoxydable AISI 316L réalisé par moulage à chaud, solubilisé, usiné mécaniquement et poli.
- Commandes manuelles et pneumatiques en acier inoxydable AISI 316L pour les stérilisations aux hautes températures.
- Membranes en EPDM ou PTFE. Membranes en EPDM et supports élastiques pour les membranes en PTFE toilées pour conférer une meilleure résistance mécanique.
- Étanchéité parfaite et isolation complète contre les facteurs polluants extérieurs.
- Autodrainage complet de toutes les parties internes durant les opérations de lavage CIP.
- Opérations d'entretien réduites "top entry", facilité d'accès et aucune nécessité de démonter la vanne de l'installation.
- Production standard: bouts Clamp ou bouts à souder. Sur demande, disponibles avec bouts filetés conformes aux normes DIN, SMS, RJT, ISS ou bouts bridés UNI, DIN, ANSI.
- Finissage standard: polissage extérieur et satinage intérieur grain 150 (finissage LS); sur demande, polissage extérieur et intérieur grain 240 (finissage LL), polissage électrolytique grain 400 (finissage LE).
- Pression d'exploitation maximum: 7 bars.



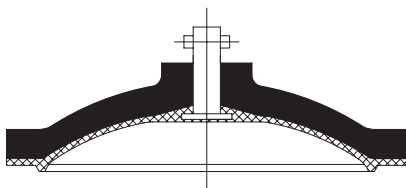
## VÁLVULAS DE MEMBRANA

- Realizadas respectando rigurosamente los criterios y los test establecidos por las normas 3-A.
- Cuerpo de acero inoxidable AISI 316L realizado mediante estampado en caliente, solubilizado, trabajado mecánicamente y pulido.
- Mandos manuales y neumáticos de acero inoxidable AISI 316L para esterilizaciones a elevadas temperaturas.
- Membranas de EPDM o PTFE. Membranas de EPDM y soportes elásticos para las membranas de PTFE entretelados para otorgar mayor resistencia mecánica.
- Cierre perfecto y aislamiento completo de factores contaminantes exteriores.
- Autodrenaje completo de todas las piezas interiores durante el proceso de lavado CIP.
- Mantenimientos reducidos “top entry” con facilidad de acceso y sin necesidad de desmontar la válvula del sistema.
- Producción estándar: extremos Clamp o extremos para soldar. A pedido, disponibles con extremos fileteados según normas DIN, SMS, RJT, ISS o extremos rebordados UNI, DIN, ANSI.
- Acabado estándar: pulido exterior y satinado interior grano 150 (acabado LS); a pedido, pulido exterior e interior grano 240 (acabado LL), pulido electrolítico grano 400 (acabado LE).
- Máxima presión de ejercicio: 7 bares.

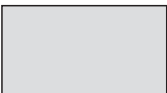
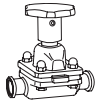
MEMBRANE  
DIAPHRAGMS  
MEMBRANES  
MEMBRANAS



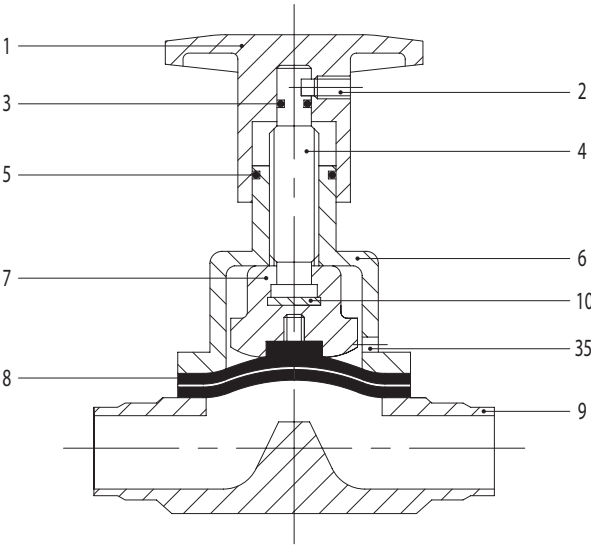
■ EPDM  
-40°C + 150°C  
-40°F + 300°F



■ PTFE  
-10°C + 150°C  
+15°F + 300°F



VALVOLA A MEMBRANA      VANNE À MEMBRANE  
DIAPHRAGM VALVE      VÁLVULA DE MEMBRANA



1. Volantino  
Handwheel  
Volant  
Manivela

2. Grano  
Dowel  
Cheville  
Pasador

3. Anello di tenuta OR  
OR seal ring  
Joint torique  
Junta OR

4. Stelo  
Spindle  
Came  
Varilla

5. Anello di tenuta OR  
OR seal ring  
Joint torique  
Junta OR
6. Comando  
Control  
Commande  
Mando

7. Compressore  
Compressor  
Compresseur  
Compressor

8. Membrana  
Diaphragm  
Membrane  
Membrana

9. Corpo valvola  
Valve casing  
Corps vanne  
Cuerpo

10. Reggispinta  
Thrust bearing  
Butée  
Cojinete de empuje

35. Foro rilevaz. perdite  
Leakage detection hole  
Trous relèvement pertes  
Orificio desc. pérdida

CODIFICAIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

| Pos. | Cod. base | Norme | 1/2"  | 3/4"  | 1"   | 1 1/2" | 2"    | Mat. | Part. o agg. |
|------|-----------|-------|-------|-------|------|--------|-------|------|--------------|
| 1    | 57        |       | 12/19 | 12/19 | 25   | 38     | 51    | 6L   | 01           |
| 2    | GRA       |       | M6    | M6    | M6   | M8     | M8    | 4L   |              |
| 3    | OR        |       | 2018  | 2018  | 106  | 114    | 114   | N    |              |
| 4    | 57        |       | 12/19 | 12/19 | 25   | 38     | 51    | 6L   | 04           |
| 5    | OR        |       | 3056  | 3056  | 3068 | 3100   | 3100  | N    |              |
| 6    | 57        |       | 12    | 19    | 25   | 38     | 51    | 6L   | 06           |
| 7    | 57        | E     | 12    | 19    | 25   | 38     | 51    | 6L   | 07           |
| 7    | 57        | T     | 12    | 19    | 25   | 38     | 51    | 6L   | 07           |
| 8    | 57        |       | 12    | 19    | 25   | 38     | 51    | E/T  | 08           |
| 9    | 57        | W     | 12,7  | 19,05 | 25,4 | 38,1   | 50,8  | 6L   | 09           |
| 9    | 57        | W     | 21,3  | 26,9  | 33,7 | 48,3   | 60,3  | 6L   | 09           |
| 9    | 57        | L     | 12    | 18/22 | 28   | 40     | 52    | 6L   | 09           |
| 9    | 57        | D     | 10    | 15/20 | 25   | 40     | 50    | 6L   | 09           |
| 9    | 57        | K     | 12    | 19    | 25   | 38     | 51    | 6L   | 09           |
| 10   | 57        | E     | 12/19 | 12/19 | 25   | 38/51  | 38/51 | OT   | 10           |
| 10   | 57        | T     | 12/19 | 12/19 | 25   | 38/51  | 38/51 | OT   | 10           |



VALVOLA A MEMBRANA PNEUMATICA

NORMALMENTE APERTA

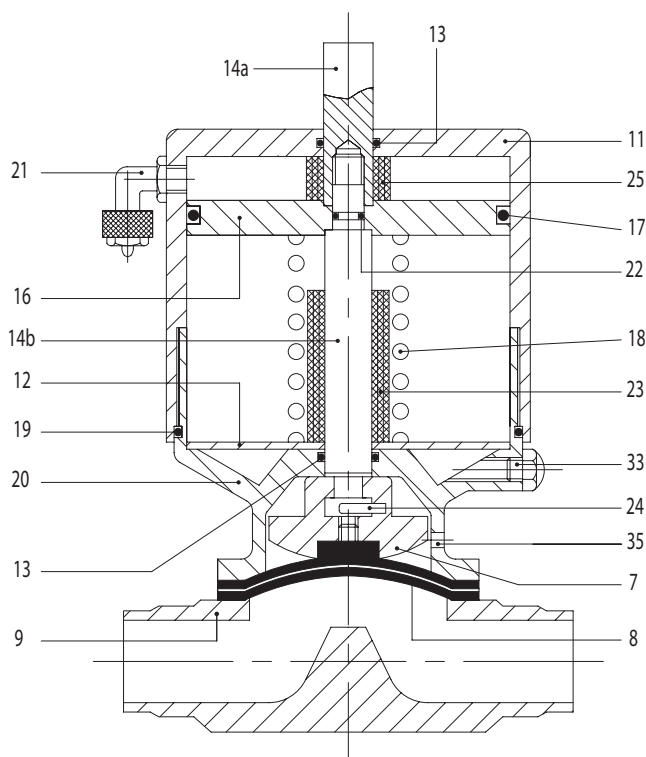
NORMALLY OPEN PNEUMATIC DIAPHRAGM VALVE

VANNE À MEMBRANE PNEUMATIQUE

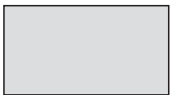
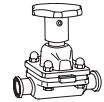
NORMALEMENT OUVERTE

VÁLVULA NEUMÁTICA DE MEMBRANA

NORMALMENTE ABIERTA



- |                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 7. Compressore<br>Compressor<br>Compresseur<br>Compresor                        | 18. Molla<br>Spring<br>Ressort<br>Muelle                                                                 |
| 8. Membrana<br>Diaphragm<br>Membrane<br>Membrana                                | 19. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 9. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                         | 20. Cilindro<br>Cylinder<br>Cylindre<br>Cilindro                                                         |
| 11. Cappellotto cilindro<br>Cylinder cap<br>Capot cylindre<br>Capuchón cilindro | 21. Raccordo aria<br>Air union<br>Raccord air<br>Conexión para aire                                      |
| 12. Disco<br>Disc<br>Disque<br>Disco                                            | 22. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 23. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                                                  |
| 14a. Stelo superiore<br>Upper stem<br>Tige supérieure<br>Varilla superior       | 24. Spina<br>Plug<br>Broche<br>Enchufe                                                                   |
| 14b. Stelo inferiore<br>Lower stem<br>Tige inférieure<br>Varilla inferior       | 25. Distanziale superiore<br>Upper spacer<br>Entretoise supérieure<br>Distanciador superior              |
| 16. Pistone<br>Piston<br>Piston<br>Pistón                                       | 33. Uscita aria<br>Air vent<br>Décharge air<br>Descarga de aire                                          |
| 17. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 35. Foro rilevaz. perdite<br>Leakage detection hole<br>Trous relèvement pertes<br>Orificio desc. pérdida |



**VALVOLA A MEMBRANA PNEUMATICA**

**NORMALMENTE CHIUSA**

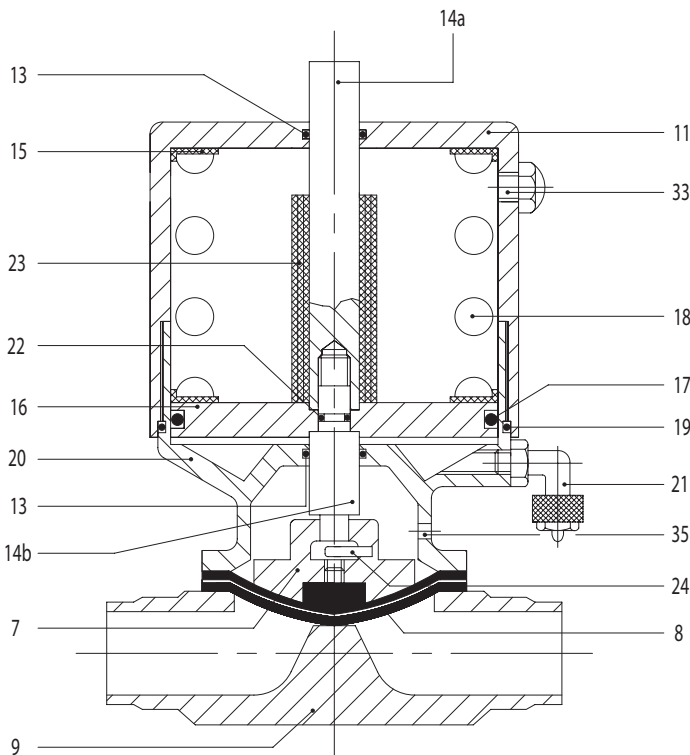
**NORMALLY CLOSED PNEUMATIC DIAPHRAGM VALVE**

**VANNE À MEMBRANE PNEUMATIQUE**

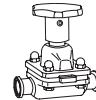
**NORMALEMENT FERMÉE**

**VÁLVULA NEUMÁTICA DE MEMBRANA**

**NORMALMENTE CERRADA**



- |                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 7. Compressore<br>Compressor<br>Compresseur<br>Compresor                        | 17. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 8. Membrana<br>Diaphragm<br>Membrane<br>Membrana                                | 18. Molla<br>Spring<br>Ressort<br>Muelle                                                                 |
| 9. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                         | 19. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 11. Cappellotto cilindro<br>Cylinder cap<br>Capot cylindre<br>Capuchón cilindro | 20. Cilindro<br>Cylinder<br>Cylindre<br>Cilindro                                                         |
| 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 21. Raccordo aria<br>Air union<br>Raccord air<br>Racor del aire                                          |
| 14a. Stelo superiore<br>Upper stem<br>Tige supérieure<br>Varilla superior       | 22. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 14b. Stelo inferiore<br>Lower stem<br>Tige inférieure<br>Varilla inferior       | 23. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                                                  |
| 15. Guida molla<br>Spring holder<br>Guide ressort<br>Guía muelle                | 24. Spina<br>Plug<br>Broche<br>Enchufe                                                                   |
| 16. Pistone<br>Piston<br>Piston<br>Pistón                                       | 33. Uscita aria<br>Air vent<br>Décharge air<br>Descarga de aire                                          |
|                                                                                 | 35. Foro rilevaz. perdite<br>Leakage detection hole<br>Trous relèvement pertes<br>Orificio desc. pérdida |



**VALVOLA A MEMBRANA PNEUMATICA**

NORMALMENTE APERTA CON UNITÀ DI CONTROLLO

**NORMALLY OPEN PNEUMATIC DIAPHRAGM**

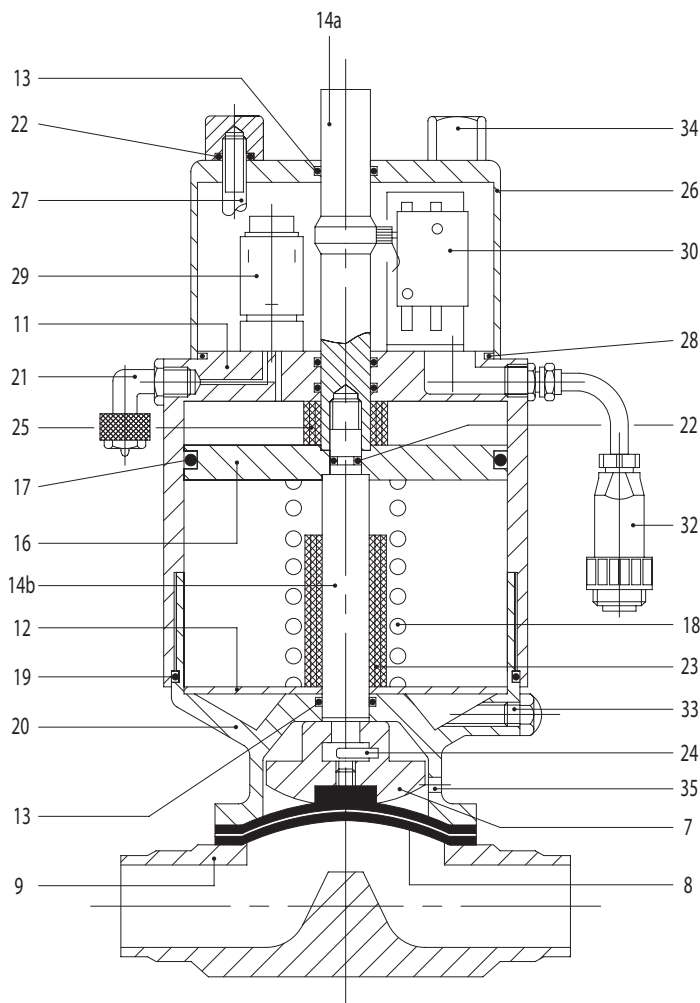
VALVE WITH CONTROL UNIT

**VANNE À MEMBRANE PNEUMATIQUE**

NORMALEMENT OUVERTE AVEC UNITÉ DE CONTRÔLE

**VÁLVULA NEUMÁTICA DE MEMBRANA**

NORMALMENTE ABIERTA CON UNIDAD DE CONTROL



- |                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 7. Compressore<br>Compressor<br>Compresseur<br>Compresor                        | 21. Raccordo aria<br>Air union<br>Raccord air<br>Racor del aire                                          |
| 8. Membrana<br>Diaphragm<br>Membrane<br>Membrana                                | 22. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 9. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                         | 23. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                                                  |
| 11. Cappellotto cilindro<br>Cylinder cap<br>Capot cylindre<br>Capuchón cilindro | 24. Spina<br>Plug<br>Broche<br>Enchufe                                                                   |
| 12. Disco<br>Disc<br>Disque<br>Disco                                            | 25. Distanziale superiore<br>Upper spacer<br>Entretoise supérieure<br>Distanciador                       |
| 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 26. Cappellotto unità contr.<br>Control unit cap<br>Capot unité contrôle<br>Capuc. unidad control        |
| 14a. Stelo superiore<br>Upper stem<br>Tige supérieure<br>Varilla superior       | 27. Tirante<br>Tie rod<br>Tirant<br>Tirante                                                              |
| 14b. Stelo inferiore<br>Lower stem<br>Tige inférieure<br>Varilla inferior       | 28. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 16. Pistone<br>Piston<br>Piston<br>Pistón                                       | 29. Elettrovalvola<br>Solenoid valve<br>Électrovanne<br>Electroválvula                                   |
| 17. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 30. Microinterruttore<br>Microswitch<br>Minirupteur<br>Microrruptor                                      |
| 18. Molla<br>Spring<br>Ressort<br>Muelle                                        | 32. Connettore<br>Connector<br>Connecteur<br>Conector                                                    |
| 19. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 33. Uscita aria<br>Air vent<br>Décharge air<br>Descarga de aire                                          |
| 20. Cilindro<br>Cylinder<br>Cylindre<br>Cilindro                                | 34. Dado<br>Nut<br>Écrou<br>Tuerca                                                                       |
|                                                                                 | 35. Foro rilevaz. perdite<br>Leakage detection hole<br>Trous relèvement pertes<br>Orificio desc. pérdida |



**VALVOLA A MEMBRANA PNEUMATICA**

**NORMALMENTE CHIUSA CON UNITÀ DI CONTROLLO**

**NORMALLY CLOSED PNEUMATIC DIAPHRAGM**

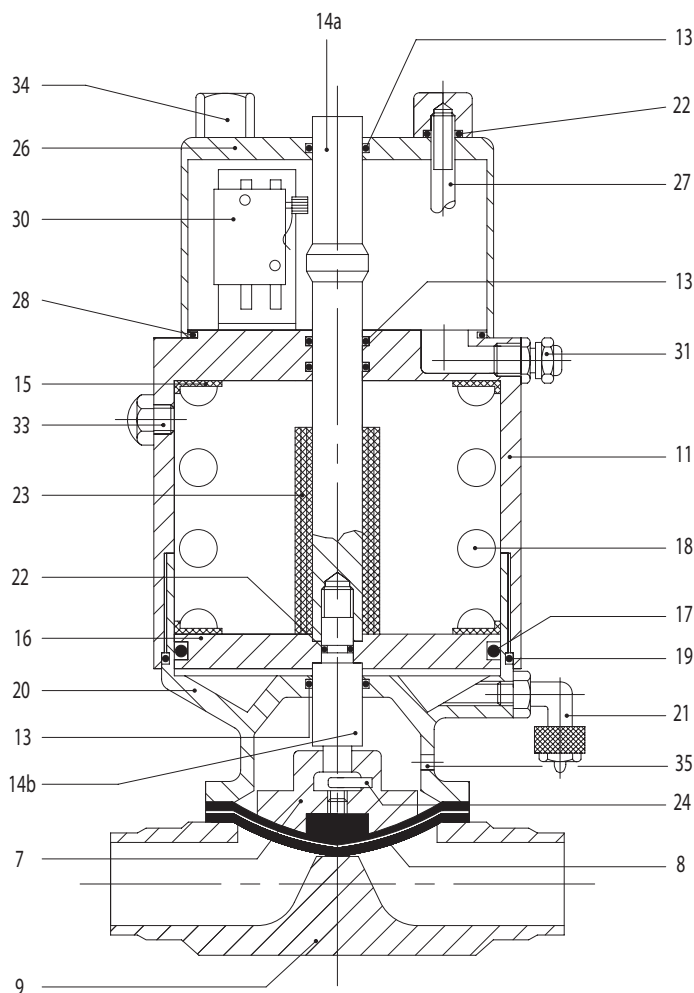
**VALVE WITH CONTROL UNIT**

**VANNE À MEMBRANE PNEUMATIQUE**

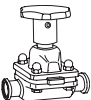
**NORMALEMENT FERMÉE AVEC UNITÉ DE CONTRÔLE**

**VÁLVULA NEUMÁTICA DE MEMBRANA**

**NORMALMENTE CERRADA CON UNIDAD DE CONTROL**

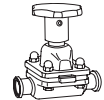


- |                                                                                 |                                                                                                          |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 7. Compressore<br>Compressor<br>Compresseur<br>Compresor                        | 20. Cilindro<br>Cylinder<br>Cylindre<br>Cilindro                                                         |
| 8. Membrana<br>Diaphragm<br>Membrane<br>Membrana                                | 21. Raccordo aria<br>Air union<br>Raccord air<br>Racor del aire                                          |
| 9. Corpo valvola<br>Valve body<br>Corps vanne<br>Cuerpo                         | 22. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 11. Cappellotto cilindro<br>Cylinder cap<br>Capot cylindre<br>Capuchón cilindro | 23. Distanziale<br>Spacer<br>Entretoise<br>Distanciador                                                  |
| 13. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 24. Spina<br>Plug<br>Broche<br>Enchufe                                                                   |
| 14a. Stelo superiore<br>Upper stem<br>Tige supérieure<br>Varilla superior       | 26. Cappellotto unità contr.<br>Control unit cap<br>Capot unité contrôle<br>Capuc. unidad control        |
| 14b. Stelo inferiore<br>Lower stem<br>Tige inférieure<br>Varilla inferior       | 27. Tirante<br>Tie rod<br>Tirant<br>Tirante                                                              |
| 15. Guida molla<br>Spring holder<br>Guide ressort<br>Guía muelle                | 28. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR                                     |
| 16. Pistone<br>Piston<br>Piston<br>Pistón                                       | 30. Microinterruttore<br>Microswitch<br>Minirupteur<br>Microrruptor                                      |
| 17. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 31. Pressacavo<br>Cable-grommet<br>Presse-câble<br>Sujeta cables                                         |
| 18. Molla<br>Spring<br>Ressort<br>Muelle                                        | 33. Uscita aria<br>Air vent<br>Décharge air<br>Descarga de aire                                          |
| 19. Anello di tenuta OR<br>OR seal ring<br>Joint torique<br>Junta OR            | 34. Dado<br>Nut<br>Écrou<br>Tuerca                                                                       |
|                                                                                 | 35. Foro rilevaz. perdita<br>Leakage detection hole<br>Trous relèvement pertes<br>Orificio desc. pérdida |



CODIFICAIONE  
CODING  
CODIFICATION  
CODIFICACIÓN

| Pos. | Cod. base | Norme | 1/2"  | 3/4"  | 1"    | 1 1/2"   | 2"       | Mat. | Part. o agg. |
|------|-----------|-------|-------|-------|-------|----------|----------|------|--------------|
| 7    | 57        | E     | 12    | 19    | 25    | 38       | 51       | 6L   | 07           |
| 7    | 57        | T     | 12    | 19    | 25    | 38       | 51       | 6L   | 07           |
| 8    | 57        |       | 12    | 19    | 25    | 38       | 51       | E    | 08           |
| 8    | 57        |       | 12    | 19    | 25    | 38       | 51       | T    | 08           |
| 9    | 57        | W     | 12,7  | 19,05 | 25,4  | 38,1     | 50,8     | 6L   | 09           |
| 9    | 57        | K     | 12    | 19    | 25    | 38       | 51       | 6L   | 09           |
| 11   | 58        |       | 12    | 19/25 | 19/25 | 38/51    | 38/51    | 4L   | 11           |
| 12   | 58        | NA    | 12    | 19/25 | 19/25 | 38/51    | 38/51    | 4L   | 12           |
| 13   | OR        |       | 3056  | 123   | 123   | 123      | 123      | N    |              |
| 14a  | 58        | NA    | 12    | 19    | 25    | 38       | 51       | 6L   | 14a          |
| 14b  | 58        | NA    | 12    | 19/25 | 19/25 | 38/51    | 38/51    | 6L   | 14b          |
| 14a  | 58        | NC    | 12    | 19    | 25    | 38       | 51       | 6L   | 14a          |
| 14b  | 58        | NC    | 12    | 19/25 | 19/25 | 38/51    | 38/51    | 6L   | 14b          |
| 15   | 58        |       | 12    | 12    | 12    | 12       | 12       | T    | 15           |
| 16   | 58        |       | 12    | 19/25 | 19/25 | 38/51    | 38/51    | AL   | 16           |
| 17   | OR        |       | 6150  | 6275  | 6275  | 6400     | 6400     | N    |              |
| 18   | 58        |       | NA 12 | 12    | 12    | NA 38/51 | NA 38/51 | 4L   | 18           |
| 19   | OR        |       | 3206  | 3325  | 3325  | 3450     | 3450     | N    |              |
| 20   | 58        |       | 12    | 19    | 25    | 38       | 51       | 6L   | 20           |
| 21   | 58        |       | 1/8"  | 1/8"  | 1/8"  | 1/8"     | 1/8"     | 4L   |              |
| 22   | OR        |       | 106   | 108   | 108   | 108      | 108      | N    |              |
| 23   | 58        | NA    | 12    | 19    | 25    | 38       | 51       | T    | 23           |
| 23   | 58        | NC    | 12    | 19    | 25    | 38       | 51       | T    | 23           |
| 24   | 58        |       | 3x15  | 3x15  | 3x15  | 3x15     | 3x15     | 6L   | 24           |
| 25   | 58        | NA    | 12    | 19    | 25    | 38       | 51       | T    | 25           |
| 26   | 60        |       | 12    | 19/25 | 19/25 | 38/51    | 38/51    | 4L   | 26           |
| 27   | 60        |       | 12/51 | 12/51 | 12/51 | 12/51    | 12/51    | 4L   | 27           |
| 28   | OR        |       | 2262  | 2300  | 2300  | 2375     | 2375     | N    |              |
| 29   | 015       |       | U     | U     | U     | U        | U        |      |              |
| 30   | 014       |       | 1     | 1     | 1     | 1        | 1        |      |              |
| 31   | 026       |       | 12/51 | 12/51 | 12/51 | 12/51    | 12/51    | 4L   | 31           |
| 32   | 030 S     |       | S     | S     | S     | S        | S        |      |              |
| 33   | 58        |       | 1/8"  | 1/8"  | 1/8"  | 1/8"     | 1/8"     | 4L   | 33           |
| 34   | 60        |       | 12/51 | 12/51 | 12/51 | 12/51    | 12/51    | 4L   | 34           |



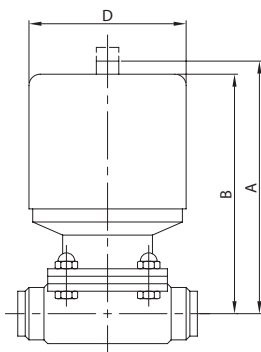
CONNESSIONI  
ENDS  
BOUTS  
EXTREMOS

| DN | BS    |            |           | SCHEDULE |      |      |      | ISO  |     | DIN     |     |         |     |         |     |
|----|-------|------------|-----------|----------|------|------|------|------|-----|---------|-----|---------|-----|---------|-----|
|    | D.E.  | +16<br>swg | 18<br>swg | D.E.     | 5S   | 10S  | 40S  | D.E. | Sp. | Serie 1 |     | Serie 2 |     | Serie 3 |     |
|    |       | Sp.        | Sp.       |          | Sp.  | Sp.  | Sp.  |      |     | D.E.    | Sp. | D.E.    | Sp. | D.E.    | Sp. |
| 15 | 12,70 | 1,63       | 1,22      | 21,34    | 1,65 | 2,11 | 2,77 | 21,3 | 1,6 | 18      | 1   | 19      | 1,5 | 20      | 2   |
| 20 | 19,05 | 1,63       | 1,22      | 26,67    | 1,65 | 2,11 | 2,87 | 26,9 | 1,6 | 22      | 1   | 23      | 1,5 | 24      | 2   |
| 25 | 25,40 | 1,63       | 1,22      | 33,40    | 1,65 | 2,77 | 3,38 | 33,7 | 2,0 | 28      | 1   | 29      | 1,5 | 30      | 2   |
| 40 | 38,10 | 1,63       | 1,22      | 48,26    | 1,65 | 2,77 | 3,68 | 48,3 | 2,0 | 40      | 1   | 41      | 1,5 | 42      | 2   |
| 50 | 50,80 | 1,63       | 1,22      | 60,33    | 1,65 | 2,77 | 3,91 | 60,3 | 2,6 | 52      | 1   | 53      | 1,5 | 54      | 2   |

VALORI CV E KV  
CV AND KV VALUES  
VALEURS CV ET KV  
VALORES CV Y KV

| %                                            | DN 15<br>1/2"      |             | DN 20<br>3/4"      |             | DN 25<br>1"        |             | DN 40<br>1 1/2"    |             | DN 50<br>2"        |             |
|----------------------------------------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|
| APERTURA<br>OPENING<br>OUVERTURE<br>APERTURA | CV<br>(US gal/min) | KV<br>(l/s) | CV<br>(US gal/min) | KV<br>(l/s) | CV<br>(US gal/min) | KV<br>(l/s) | CV<br>(US gal/min) | KV<br>(l/s) | CV<br>(US gal/min) | KV<br>(l/s) |
| 100                                          | 6,7                | 1,6         | 13,3               | 3,16        | 20                 | 4,76        | 50                 | 12          | 101                | 24,04       |
| 90                                           | 6,4                | 1,5         | 12,8               | 3,04        | 19,2               | 4,57        | 48                 | 11,4        | 97                 | 23,1        |
| 80                                           | 6,11               | 1,45        | 12,3               | 2,9         | 18,4               | 4,37        | 46                 | 11          | 92,9               | 22,1        |
| 70                                           | 5,85               | 1,4         | 11,7               | 2,8         | 17,6               | 4,2         | 44                 | 10,5        | 88,9               | 21,15       |
| 60                                           | 5,58               | 1,32        | 11,2               | 2,65        | 16,8               | 4           | 42                 | 10          | 84,83              | 20,2        |
| 50                                           | 4,65               | 1,1         | 9,3                | 2,2         | 14                 | 3,33        | 35                 | 8,4         | 70,7               | 16,83       |
| 40                                           | 3,7                | 0,9         | 7,45               | 1,76        | 11,2               | 2,66        | 28                 | 6,7         | 56,5               | 13,46       |
| 30                                           | 2,8                | 0,65        | 5,6                | 1,3         | 8,4                | 2           | 21                 | 5           | 42,4               | 10,1        |
| 20                                           | 1,85               | 0,43        | 3,7                | 0,9         | 5,6                | 1,33        | 14                 | 3,8         | 28,27              | 6,73        |
| 10                                           | 0,92               | 0,21        | 1,85               | 0,43        | 2,8                | 0,66        | 7                  | 1,66        | 14,13              | 3,36        |
| 0                                            | 0                  |             | 0                  |             | 0                  |             | 0                  |             | 0                  |             |

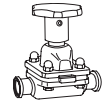
DIMENSIONI, VOLUMI E TEMPI DI MANOVRA  
DIMENSIONS, AIR VOLUMES AND OPERATING TIMES  
DIMENSIONES, VOLUMES ET TEMPS DE MANOEUVRE  
DIMENSIONES, VOLUMENES Y TIEMPOS DE MANIOBRA



| Diam. valvola<br>Valve diam.<br>Diam. vanne<br>Diam. válvula | A   | B   | D   | Vol.<br>Aria chiude<br>Air closes<br>Air ferme<br>Aire cierra | Vol.<br>Aria apre<br>Air opens<br>Air ouvre<br>Aire abre | Tempi<br>Time<br>Temps<br>Tiempos |
|--------------------------------------------------------------|-----|-----|-----|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| mm                                                           | mm  | mm  | mm  | cm <sup>3</sup>                                               | cm <sup>3</sup>                                          | s                                 |
| 15                                                           | 125 | 120 | 70  | 50                                                            | 20                                                       | 1                                 |
| 20                                                           | 140 | 135 | 89  | 230                                                           | 65                                                       | 1                                 |
| 25                                                           | 145 | 140 | 89  | 230                                                           | 65                                                       | 1                                 |
| 40                                                           | 208 | 203 | 129 | 1000                                                          | 250                                                      | 2                                 |
| 50                                                           | 220 | 215 | 129 | 1000                                                          | 350                                                      | 2                                 |

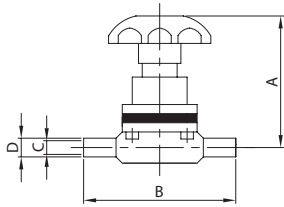
| Diam. valvola<br>Valve diam.<br>Diam. vanne<br>Diam. válvula | A      | B      | D      | Vol.<br>Aria chiude<br>Air closes<br>Air ferme<br>Aire cierra | Vol.<br>Aria apre<br>Air opens<br>Air ouvre<br>Aire abre | Tempi<br>Time<br>Temps<br>Tiempos |
|--------------------------------------------------------------|--------|--------|--------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| in                                                           | in     | in     | in     | in <sup>3</sup>                                               | in <sup>3</sup>                                          | s                                 |
| 1/2"                                                         | 5"     | 4 3/4" | 2 3/4" | 3                                                             | 1                                                        | 1                                 |
| 3/4"                                                         | 5 1/2" | 5 3/8" | 3 1/2" | 13                                                            | 4                                                        | 1                                 |
| 1"                                                           | 5 3/4" | 5 1/2" | 3 1/2" | 13                                                            | 4                                                        | 1                                 |
| 1 1/2"                                                       | 8"     | 8"     | 5"     | 60,5                                                          | 15                                                       | 2                                 |
| 2"                                                           | 9"     | 8 1/2" | 5"     | 61                                                            | 20                                                       | 2                                 |





MICROVALVOLA M. EL.  
D. MICROVALVE PE.  
MINIVANNE MEMBR. EL.  
MICROVALVULA M. EL.

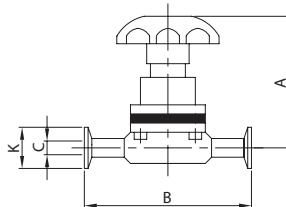
S57W



| DN | A    | B    | C   | D    | gr  |
|----|------|------|-----|------|-----|
| 6  | 66,5 | 67,0 | 3,9 | 6,3  | 190 |
| 9  | 66,5 | 67,0 | 7,1 | 9,5  | 190 |
| 12 | 66,5 | 67,0 | 9,4 | 12,7 | 190 |

MICROVALVOLA M. E. SM.  
D. MICROVALVE E. FR.  
MINIVANNE MEMBR. B. FR.  
MICROVALVULA M. E. SM.

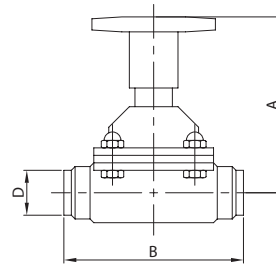
S57K



| DN | A    | B    | C   | K    | gr  |
|----|------|------|-----|------|-----|
| 12 | 66,5 | 67,0 | 9,4 | 25,0 | 200 |

V. MEMBRANA EL.  
DIAPHRAGM V. PE.  
V. MEMBRANA BL.  
V. MEMBRANA EL.

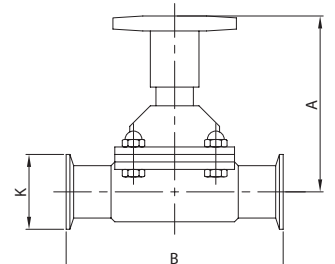
57W



| DN | A     | B     | D    | gr    |
|----|-------|-------|------|-------|
| 12 | 78,0  | 89,0  | 12,7 | 840   |
| 19 | 79,0  | 102,0 | 19,0 | 1.200 |
| 25 | 92,0  | 114,0 | 25,4 | 1.680 |
| 38 | 112,0 | 140,0 | 38,1 | 3.140 |
| 51 | 135,0 | 159,0 | 50,8 | 5.040 |

V. MEMBRANA E. SM.  
DIAPHRAGM V. E. FR.  
V. MEMBRANA B. FR.  
V. MEMBRANA E. SM.

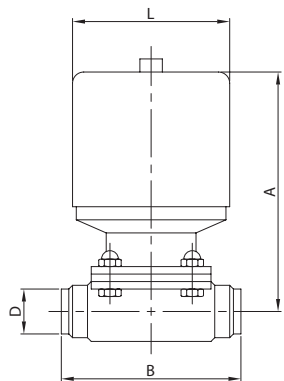
57K



| DN | A     | B     | K    | gr    |
|----|-------|-------|------|-------|
| 12 | 78,0  | 89,0  | 25,0 | 840   |
| 19 | 79,0  | 102,0 | 25,0 | 1.200 |
| 25 | 92,0  | 114,0 | 50,5 | 1.680 |
| 38 | 112,0 | 140,0 | 50,5 | 3.140 |
| 51 | 135,0 | 159,0 | 64,0 | 5.040 |

V. M. PNEUMATICA EL.  
PNEUMATIC D. V. PE.  
V. M. PNEUMATIQUE BL.  
V. M. NEUMÁTICA EL.

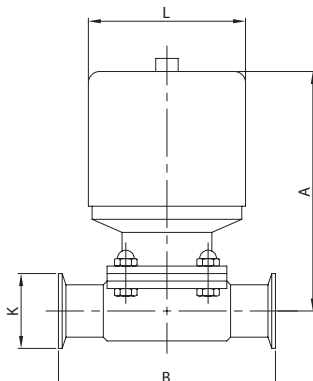
58W



| DN | A     | B     | D    | L     | gr    |
|----|-------|-------|------|-------|-------|
| 12 | 110,0 | 89,0  | 12,7 | 60,0  | 1.360 |
| 19 | 123,0 | 102,0 | 19,0 | 90,0  | 2.460 |
| 25 | 129,0 | 114,0 | 25,4 | 90,0  | 2.780 |
| 38 | 187,0 | 140,0 | 38,1 | 127,0 | 6.880 |
| 51 | 198,0 | 159,0 | 50,8 | 127,0 | 8.160 |

V. M. PNEUMATICA E. SM.  
PNEUMATIC D. V. E. FR.  
V. M. PNEUMATIQUE B. FR.  
V. M. NEUMÁTICA E. SM.

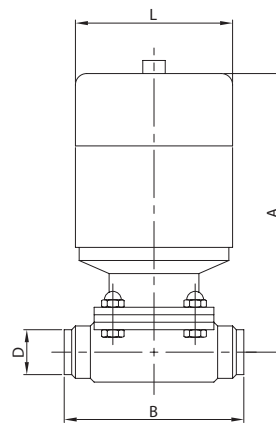
58K



| DN | A     | B     | K    | L     | gr    |
|----|-------|-------|------|-------|-------|
| 12 | 111,0 | 89,0  | 25,0 | 60,0  | 1.360 |
| 19 | 123,0 | 102,0 | 25,0 | 90,0  | 2.460 |
| 25 | 129,0 | 114,0 | 50,5 | 90,0  | 2.780 |
| 38 | 187,0 | 140,0 | 50,5 | 127,0 | 6.880 |
| 51 | 198,0 | 159,0 | 64,0 | 127,0 | 8.160 |

V. M. UN. CONTROLLO EL.  
D. V. CONTROL UNIT PE.  
V. M. UN. CONTRÔLE BL.  
V. M. UN. CONTROL EL.

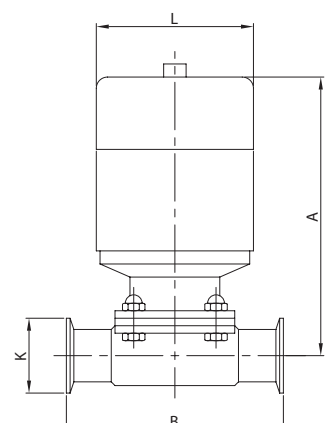
60W



| DN | A     | B     | D    | L     | gr    |
|----|-------|-------|------|-------|-------|
| 12 | 153,0 | 89,0  | 12,7 | 60,0  | 1.660 |
| 19 | 154,0 | 102,0 | 19,0 | 90,0  | 3.010 |
| 25 | 167,0 | 114,0 | 25,4 | 90,0  | 3.330 |
| 38 | 187,0 | 140,0 | 38,1 | 127,0 | 7.880 |
| 51 | 210,0 | 159,0 | 50,8 | 127,0 | 9.160 |

V. M. UN. CONTROLLO E. SM.  
D. V. CONTROL UNIT E. FR.  
V. M. UN. CONTRÔLE B. FR.  
V. M. UN. CONTROL E. SM.

60K



| DN | A     | B     | K    | L     | gr    |
|----|-------|-------|------|-------|-------|
| 12 | 153,0 | 89,0  | 25,0 | 60,0  | 1.660 |
| 19 | 154,0 | 102,0 | 25,0 | 90,0  | 3.010 |
| 25 | 167,0 | 114,0 | 50,5 | 90,0  | 3.330 |
| 38 | 187,0 | 140,0 | 50,5 | 127,0 | 7.880 |
| 51 | 210,0 | 159,0 | 64,0 | 127,0 | 9.160 |



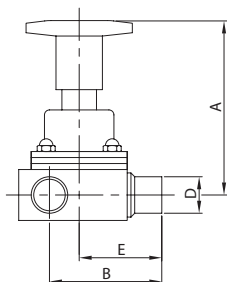
V. MEMBRANA 3 V. T EL.  
DIAPHRAGM V. 3 W. T PE.  
V. MEMBRANE 3 V. T BL.  
V. MEMBRANA 3 V. T EL.

V. MEMBR. 3 V. T E. SM.  
DIAPHR. V. 3 W. T FR.  
V. MEMBR. 3 V. T B. FR.  
V. MEMBR. 3 V. T E. SM.

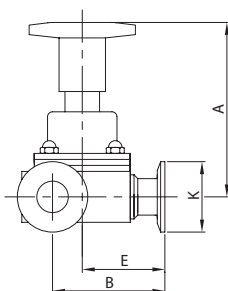
V. M. PNEUM. 3 V. T EL.  
PNEUM. D. V. 3 W. T PE.  
V. M. PNEUM. 3 V. T BL.  
V. M. NEUM. 3 V. T EL.

V. M. PN. 3 V. T E. SM.  
PN. D. V. 3 W. T E. FR.  
V. M. PN. 3 V. T B. FR.  
V. M. NEUM. 3 V. T E. SM.

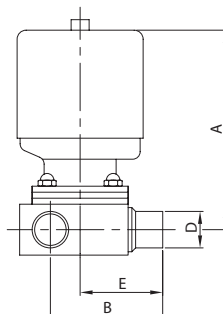
ZDT 57W



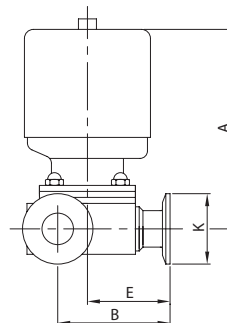
ZDT 57K



ZDT 58W



ZDT 58K



| DN | A     | B     | D    | E    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 97,5  | 56,5  | 12,7 | 44,5 | 840   |
| 19 | 99,0  | 66,5  | 19,0 | 51,0 | 1.200 |
| 25 | 120,0 | 80,0  | 25,4 | 57,0 | 1.680 |
| 38 | 156,0 | 101,5 | 38,1 | 70,0 | 3.140 |
| 51 | 182,0 | 118,5 | 50,8 | 79,5 | 5.040 |

| DN | A     | B     | E    | K    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 97,5  | 56,5  | 44,5 | 25,0 | 840   |
| 19 | 99,0  | 66,5  | 51,0 | 25,0 | 1.200 |
| 25 | 120,0 | 80,0  | 57,0 | 50,5 | 1.680 |
| 38 | 156,0 | 101,5 | 70,0 | 50,5 | 3.140 |
| 51 | 182,0 | 118,5 | 79,5 | 64,0 | 5.040 |

| DN | A     | B     | D    | E    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 110,0 | 56,5  | 12,7 | 44,5 | 1.360 |
| 19 | 123,0 | 66,5  | 19,0 | 51,0 | 2.460 |
| 25 | 129,0 | 80,0  | 25,4 | 57,0 | 2.780 |
| 38 | 188,0 | 101,5 | 38,1 | 70,0 | 6.880 |
| 51 | 201,0 | 118,5 | 50,8 | 79,5 | 8.160 |

| DN | A     | B     | E    | K    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 110,0 | 56,5  | 44,5 | 25,0 | 1.360 |
| 19 | 123,0 | 66,5  | 51,0 | 25,0 | 2.460 |
| 25 | 129,0 | 80,0  | 57,0 | 50,0 | 2.780 |
| 38 | 188,0 | 101,5 | 70,0 | 50,5 | 6.880 |
| 51 | 201,0 | 118,5 | 79,5 | 64,0 | 8.160 |

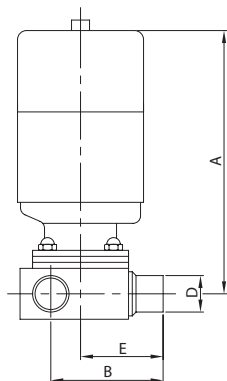
V. M. UN. C. 3 V. T EL.  
D. V. C. UNIT 3 W. T PE.  
V. M. UN. CONTR. 3 V. T BL.  
V. M. UN. CONTR. 3 V. T EL.

V. M. UN. C. 3 V. T E. SM.  
D. V. C. UN. 3 W. T E. FR.  
V. M. UN. C. 3 V. T B. FR.  
V. M. UN. C. 3 V. T E. SM.

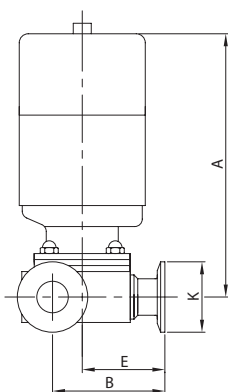
V. M. PRELIEVO EL.  
SAMPLING D. V. PE.  
V. M. PRISE ECHANT. EL.  
V. M. TOMAMUESTRAS EL.

V. M. PRELIEVO E. SM.  
SAMPLING D. V. E. FR.  
V. M. PRISE ECHANT. B. FR.  
V. M. TOMAM. E. SM.

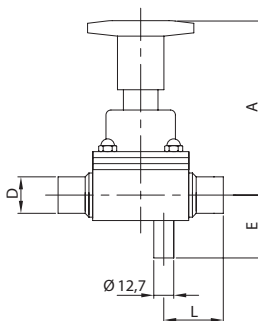
ZDT 60W



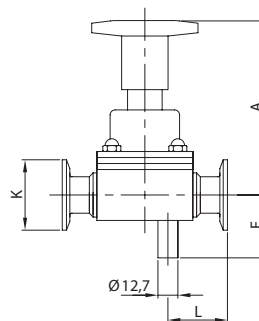
ZDT 60K



ZDL 58W



ZDL 57K



| DN | A     | B     | D    | E    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 186,0 | 56,5  | 12,7 | 44,5 | 1.660 |
| 19 | 198,0 | 66,5  | 19,0 | 51,0 | 3.010 |
| 25 | 204,0 | 80,0  | 25,4 | 57,0 | 3.330 |
| 38 | 263,0 | 101,5 | 38,1 | 70,0 | 7.880 |
| 51 | 276,0 | 118,5 | 50,8 | 79,5 | 9.160 |

| DN | A     | B     | E    | K    | gr    |
|----|-------|-------|------|------|-------|
| 12 | 186,0 | 56,5  | 44,5 | 25,0 | 1.660 |
| 19 | 198,0 | 66,5  | 51,0 | 25,0 | 3.010 |
| 25 | 204,0 | 80,0  | 57,0 | 50,5 | 3.330 |
| 38 | 263,0 | 101,5 | 70,0 | 50,5 | 7.880 |
| 51 | 276,0 | 118,5 | 79,5 | 64,0 | 9.160 |

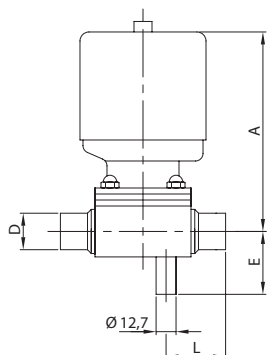
| DN | A     | D    | E    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 94,5  | 12,7 | 34,5 | 27,0 | 840   |
| 19 | 96,0  | 19,0 | 39,0 | 32,0 | 1.200 |
| 25 | 116,0 | 25,4 | 42,0 | 37,0 | 1.680 |
| 38 | 155,0 | 38,1 | 59,0 | 42,0 | 3.140 |
| 51 | 182,0 | 50,8 | 66,0 | 46,0 | 5.040 |

| DN | A     | E    | K    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 94,5  | 34,5 | 25,0 | 27,0 | 840   |
| 19 | 96,0  | 39,0 | 25,0 | 32,0 | 1.200 |
| 25 | 116,0 | 42,0 | 50,5 | 37,0 | 1.680 |
| 38 | 155,0 | 59,0 | 50,5 | 42,0 | 3.140 |
| 51 | 182,0 | 66,0 | 64,0 | 46,0 | 5.040 |



V. M. PNEUM. PRELIEVO EL.  
SAMPLING PN. D. V. PE.  
V. M. PN. PRISE ECH. EL.  
V. M. NEUM. TOMAM. EL.

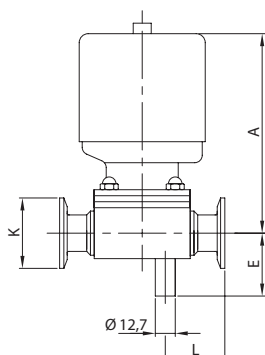
### ZDL 58W



| DN | A     | D    | E    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 107,0 | 12,7 | 34,5 | 27,0 | 1.360 |
| 19 | 120,0 | 19,0 | 39,0 | 32,0 | 2.460 |
| 25 | 125,0 | 25,4 | 42,0 | 37,0 | 2.780 |
| 38 | 187,0 | 38,1 | 59,0 | 42,0 | 6.880 |
| 51 | 201,0 | 50,8 | 66,0 | 46,0 | 8.160 |

V. M. PNEUM. PREL. E. SM.  
SAMPL. PN. D. V. E. FR.  
V. M. PN. PRISE ECH. B. FR.  
V. M. NEUM. TOMAM. E. SM.

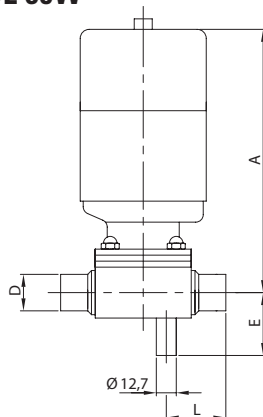
### ZDL 58K



| DN | A     | E    | K    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 107,0 | 34,5 | 25,0 | 27,0 | 1.360 |
| 19 | 120,0 | 39,0 | 25,0 | 32,0 | 2.460 |
| 25 | 125,0 | 42,0 | 50,5 | 37,0 | 2.780 |
| 38 | 187,0 | 59,0 | 50,5 | 42,0 | 6.880 |
| 51 | 201,0 | 66,0 | 64,0 | 46,0 | 8.160 |

V. M. PNEUM. PREL. E. SM.  
SAMPL. PN. D. V. E. FR.  
V. M. PN. PRISE ECH. B. FR.  
V. M. NEUM. TOMAM. E. SM.

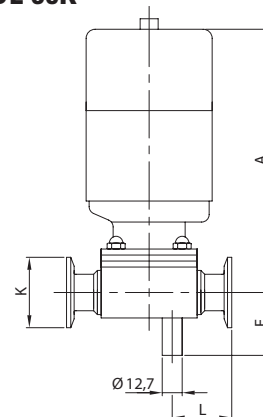
### ZDL 60W



| DN | A     | D    | E    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 183,0 | 12,7 | 34,5 | 27,0 | 1.660 |
| 19 | 195,0 | 19,0 | 39,0 | 32,0 | 3.010 |
| 25 | 200,0 | 25,4 | 42,0 | 37,0 | 3.330 |
| 38 | 262,0 | 38,1 | 59,0 | 42,0 | 7.880 |
| 51 | 276,0 | 50,8 | 66,0 | 46,0 | 9.160 |

V. M. U. C. PREL. E. SM.  
SAMPL. D. V. C. UN. E. FR.  
V. M. U. C. PRISE ECH. B. FR.  
V. M. U. C. TOMAM. E. SM.

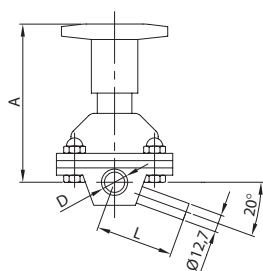
### ZDL 60K



| DN | A     | E    | K    | L    | gr    |
|----|-------|------|------|------|-------|
| 12 | 183,0 | 34,5 | 25,0 | 27,0 | 1.660 |
| 19 | 195,0 | 39,0 | 25,0 | 32,0 | 3.010 |
| 25 | 200,0 | 42,0 | 50,5 | 37,0 | 3.330 |
| 38 | 262,0 | 59,0 | 50,5 | 42,0 | 7.880 |
| 51 | 276,0 | 66,0 | 64,0 | 46,0 | 9.160 |

V. M. PRELIEVO 20° EL.  
20° SAMPLING D. V. PE.  
V. M. PRISE ECH. 20° EL.  
V. M. TOMAM. 20° EL.

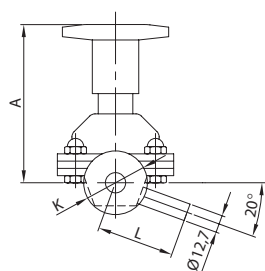
### D2L 57W



| DN | A     | D    | L    | gr    |
|----|-------|------|------|-------|
| 12 | 94,5  | 12,7 | 46,0 | 840   |
| 19 | 96,0  | 19,0 | 50,0 | 1.200 |
| 25 | 116,0 | 25,4 | 55,0 | 1.680 |
| 38 | 155,0 | 38,1 | 71,0 | 3.140 |
| 51 | 182,0 | 50,8 | 84,0 | 5.040 |

V. M. PRELIEVO 20° E. SM.  
20° SAMPLING D. V. E. FR.  
V. M. PRISE ECH. 20° B. FR.  
V. M. TOMAM. 20° E. SM.

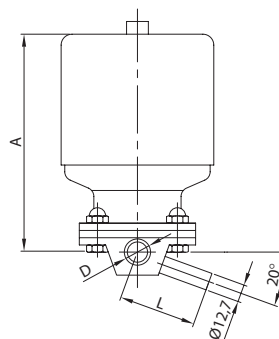
### D2L 57K



| DN | A     | K    | L    | gr    |
|----|-------|------|------|-------|
| 12 | 94,5  | 25,0 | 46,0 | 840   |
| 19 | 96,0  | 25,0 | 50,0 | 1.200 |
| 25 | 116,0 | 50,5 | 55,0 | 1.680 |
| 38 | 155,0 | 50,5 | 71,0 | 3.140 |
| 51 | 182,0 | 64,0 | 84,0 | 5.040 |

V. M. PNEUM. PREL. 20° EL.  
20° SAMPL. PN. D. V. PE.  
V. M. PN. PR. ECH. 20° BL.  
V. M. NEUM. TOMAM. 20° EL.

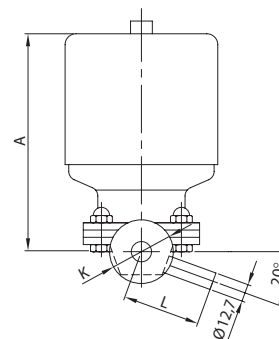
### D2L 58W



| DN | A     | D    | L    | gr    |
|----|-------|------|------|-------|
| 12 | 107,0 | 12,7 | 46,0 | 1.360 |
| 19 | 120,0 | 19,0 | 50,0 | 2.460 |
| 25 | 125,0 | 25,4 | 55,0 | 2.780 |
| 38 | 187,0 | 38,1 | 71,0 | 6.880 |
| 51 | 201,0 | 50,8 | 84,0 | 8.160 |

V. M. PN. PREL. 20° E. SM.  
20° SAMPL. PN. D. V. E. FR.  
V. M. PN. PR. ECH. 20° B. FR.  
V. M. N. TOMAM. 20° E. SM.

### D2L 58K



| DN | A     | K    | L    | gr    |
|----|-------|------|------|-------|
| 12 | 107,0 | 25,0 | 46,0 | 1.360 |
| 19 | 120,0 | 25,0 | 50,0 | 2.460 |
| 25 | 125,0 | 50,5 | 55,0 | 2.780 |
| 38 | 187,0 | 50,5 | 71,0 | 6.880 |
| 51 | 201,0 | 64,0 | 84,0 | 8.160 |



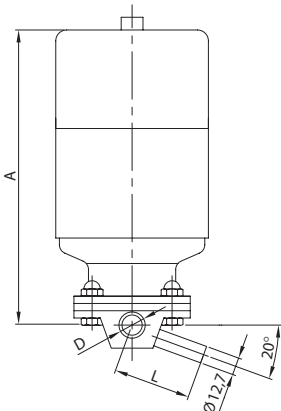
V. M. U. C. PREL. 20° EL.  
20° SAMPL. D. V. C. UN. PE.  
V. M. U. C. PR. ECH. 20° EL.  
V. M. U. C. TOMAM. 20° EL.

V. M. U. C. PREL. 20° E. SM.  
20° SAMPL. D. V. C. UN. E. FR.  
V. M. U. C. PR. ECH. 20° B. FR.  
V. M. U. C. TOMAM. 20° E. SM.

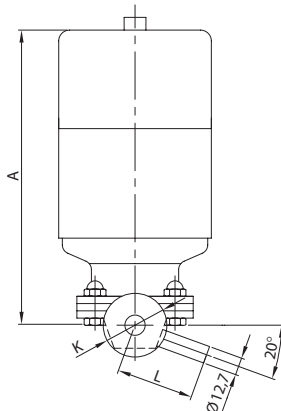
V. M. FONDO SERBATOIO EL.  
TANK BOTTOM D. V. PE.  
V. M. FOND CUVE BL.  
V. M. FONDO TANQUE EL.

V. M. FONDO SERB. E. SM.  
TANK BOTTOM D. V. E. FR.  
V. M. FOND CUVE B. FR.  
V. M. FONDO TANQUE E. SM.

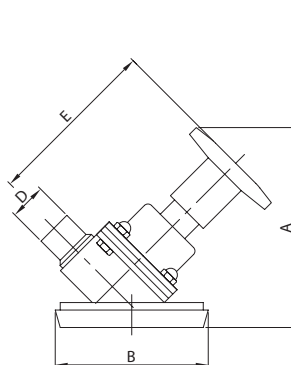
## D2L 60W



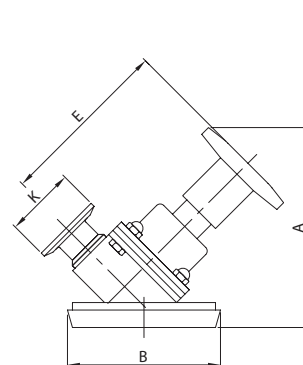
## D2L 60K



## KTB 57W



## KTB 57K



| DN       | A     | D    | L    | gr    |
|----------|-------|------|------|-------|
| 1/2 12   | 183,0 | 12,7 | 46,0 | 1.660 |
| 3/4 19   | 195,0 | 19,0 | 50,0 | 3.010 |
| 1 25     | 200,0 | 25,4 | 55,0 | 3.330 |
| 1 1/2 38 | 262,0 | 38,1 | 71,0 | 7.880 |
| 2 51     | 276,0 | 50,8 | 84,0 | 9.160 |

| DN       | A     | K    | L    | gr    |
|----------|-------|------|------|-------|
| 1/2 12   | 183,0 | 25,0 | 46,0 | 1.660 |
| 3/4 19   | 195,0 | 25,0 | 50,0 | 3.010 |
| 1 25     | 200,0 | 50,5 | 55,0 | 3.330 |
| 1 1/2 38 | 262,0 | 50,5 | 71,0 | 7.880 |
| 2 51     | 276,0 | 64,0 | 84,0 | 9.160 |

| DN       | A     | B     | D    | E     | gr    |
|----------|-------|-------|------|-------|-------|
| 1/2 12   | 117,0 | 68,0  | 12,7 | 94,5  | 1.040 |
| 3/4 19   | 123,0 | 86,0  | 19,0 | 96,0  | 1.550 |
| 1 25     | 142,0 | 100,0 | 25,4 | 116,0 | 2.030 |
| 1 1/2 38 | 181,0 | 121,0 | 38,1 | 155,0 | 4.090 |
| 2 51     | 206,0 | 150,0 | 50,8 | 182,0 | 7.090 |

| DN       | A     | B     | E     | K    | gr    |
|----------|-------|-------|-------|------|-------|
| 1/2 12   | 117,0 | 68,0  | 94,5  | 25,0 | 1.040 |
| 3/4 19   | 123,0 | 86,0  | 96,0  | 25,0 | 1.550 |
| 1 25     | 142,0 | 100,0 | 116,0 | 50,5 | 2.030 |
| 1 1/2 38 | 181,0 | 121,0 | 155,0 | 50,5 | 4.090 |
| 2 51     | 206,0 | 150,0 | 182,0 | 64,0 | 7.090 |

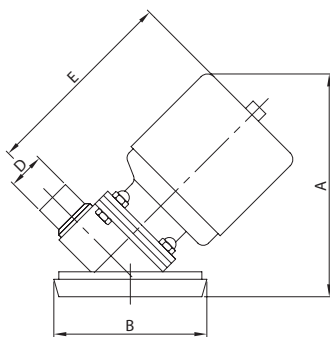
V. M. PNEUM. F. SERB. EL.  
TANK B. PNEUM. D. V. PE.  
V. M. PN. FOND CUVE BL.  
V. M. NEUM. F. TANQUE EL.

V. M. PN. F. SERB. E. SM.  
TANK B. PNEUM. D. V. E. FR.  
V. M. PN. FOND CUVE B. FR.  
V. M. N. F. TANQUE E. SM.

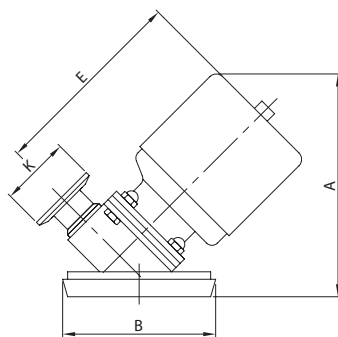
V. M. U. C. F. SERB. EL.  
TANK B. D. V. C. UN. PE.  
V. M. U. C. F. CUVE BL.  
V. M. U. C. F. TANQUE EL.

V. M. U. C. F. SERB. E. SM.  
TANK B. D. V. C. UN. E. FR.  
V. M. U. C. F. CUVE B. FR.  
V. M. U. C. F. TANQUE E. SM.

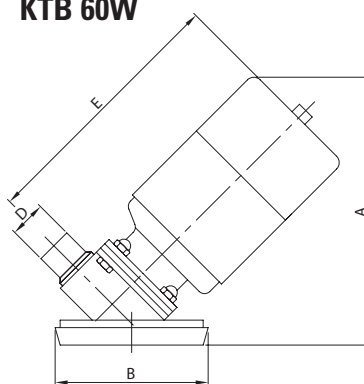
## KTB 58W



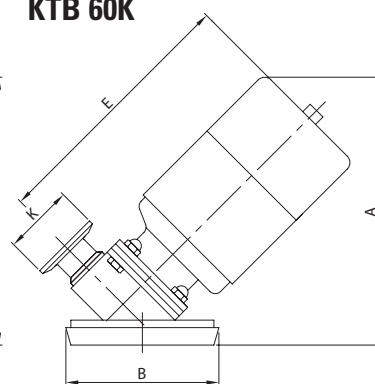
## KTB 58K



## KTB 60W



## KTB 60K

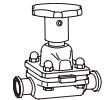


| DN       | A     | B     | D    | E     | gr     |
|----------|-------|-------|------|-------|--------|
| 1/2 12   | 125,0 | 68,0  | 12,7 | 107,0 | 1.560  |
| 3/4 19   | 147,0 | 86,0  | 19,0 | 120,0 | 2.810  |
| 1 25     | 152,0 | 100,0 | 25,4 | 125,0 | 3.130  |
| 1 1/2 38 | 210,0 | 121,0 | 38,1 | 187,0 | 7.830  |
| 2 51     | 227,0 | 150,0 | 50,8 | 201,0 | 10.210 |

| DN       | A     | B     | E     | K    | gr     |
|----------|-------|-------|-------|------|--------|
| 1/2 12   | 125,0 | 68,0  | 107,0 | 25,0 | 1.560  |
| 3/4 19   | 147,0 | 86,0  | 120,0 | 25,0 | 2.810  |
| 1 25     | 152,0 | 100,0 | 125,0 | 50,5 | 3.130  |
| 1 1/2 38 | 210,0 | 121,0 | 187,0 | 50,5 | 7.830  |
| 2 51     | 227,0 | 150,0 | 201,0 | 64,0 | 10.210 |

| DN       | A     | B     | D    | E     | gr     |
|----------|-------|-------|------|-------|--------|
| 1/2 12   | 187,0 | 68,0  | 12,7 | 183,0 | 1.860  |
| 3/4 19   | 201,0 | 86,0  | 19,0 | 195,0 | 3.360  |
| 1 25     | 204,0 | 100,0 | 25,4 | 200,0 | 3.680  |
| 1 1/2 38 | 262,0 | 121,0 | 38,1 | 262,0 | 8.830  |
| 2 51     | 274,0 | 150,0 | 50,8 | 276,0 | 11.210 |

| DN       | A     | B     | E     | K    | gr     |
|----------|-------|-------|-------|------|--------|
| 1/2 12   | 187,0 | 68,0  | 183,0 | 25,0 | 1.860  |
| 3/4 19   | 201,0 | 86,0  | 195,0 | 25,0 | 3.360  |
| 1 25     | 204,0 | 100,0 | 200,0 | 50,5 | 3.680  |
| 1 1/2 38 | 262,0 | 121,0 | 262,0 | 50,5 | 8.830  |
| 2 51     | 274,0 | 150,0 | 276,0 | 64,0 | 11.210 |



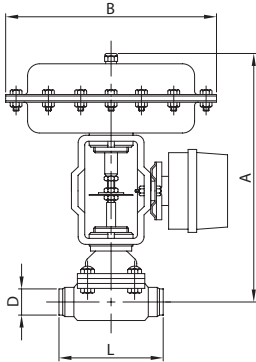
V. M. MODULANTE EL.  
MODULATING D. V. PE.  
V. M. MODULANTE BL.  
V. M. MODULANTE EL.

V. M. MODULANTE E. SM.  
MODULATING D. V. E. FR.  
V. M. MODULANTE B. FR.  
V. M. MODULANTE E. SM.

MEMBRANA EPDM  
EPDM DIAPHRAGM  
MEMBRANE EPDM  
MEMBRANA EPDM

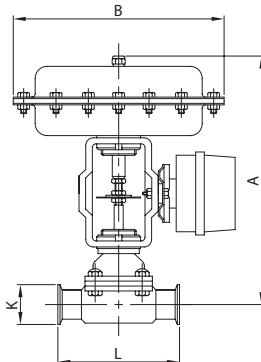
MEMBRANA PTFE  
PTFE DIAPHRAGM  
MEMBRANE PTFE  
MEMBRANA PTFE

59W



| DN       | A     | B     | D    | L     | gr     |
|----------|-------|-------|------|-------|--------|
| 1/2 12   | 305,5 | 290,0 | 12,7 | 89,0  | 11.840 |
| 3/4 19   | 307,0 | 290,0 | 19,0 | 102,0 | 12.200 |
| 1 25     | 311,0 | 290,0 | 25,4 | 114,0 | 12.680 |
| 1 1/2 38 | 330,5 | 290,0 | 38,1 | 140,0 | 14.140 |
| 2 51     | 345,5 | 290,0 | 50,8 | 159,0 | 16.040 |

59K

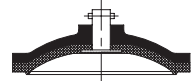


| DN       | A     | B     | K    | L     | gr     |
|----------|-------|-------|------|-------|--------|
| 1/2 12   | 305,5 | 290,0 | 25,0 | 89,0  | 11.840 |
| 3/4 19   | 307,0 | 290,0 | 25,0 | 102,0 | 12.200 |
| 1 25     | 311,0 | 290,0 | 50,5 | 114,0 | 12.680 |
| 1 1/2 38 | 330,5 | 290,0 | 50,5 | 140,0 | 14.140 |
| 2 51     | 345,5 | 290,0 | 64,0 | 159,0 | 16.040 |

57 E 08

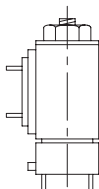


57 T 08



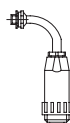
ELETTROVALVOLA NC.  
SOLENOID VALVE NC.  
ÉLECTROVANNE NF.  
ELECTROVÁLVULA NC.

015 NC



CONNETTORE  
CONNECTOR  
CONNECTEUR  
CONECTOR

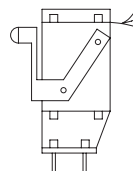
030 S



MICROINTERRUTTORE  
MICROSWITCH  
MINIRUPTEUR  
MICRORRUPTOR

014 1

014 2



CONTATTO DI PROSSIMITÀ  
PROXIMITY CONTACT  
CONTACT DE PROXIMITÉ  
MICROSENSOR

013 A

013 A/N

013 A/N/EX

