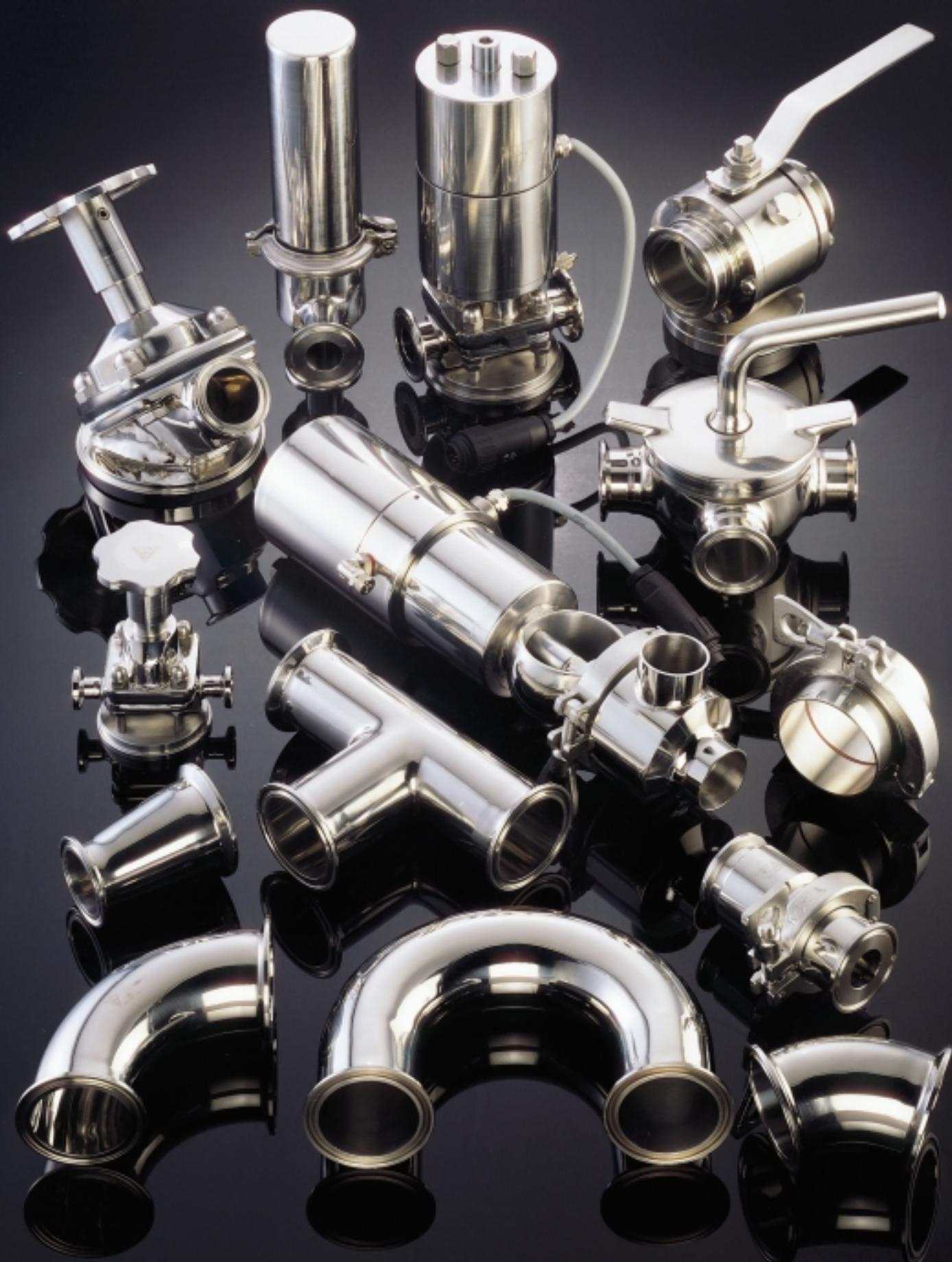


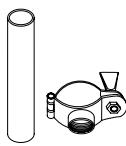
 F.LLI TASSALINI s.p.a.





Presentazione
Presentation
Présentation
Presentación

pagg. 2-6



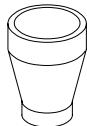
Tubi - Reggitubi
Pipes - Pipe hangers
Tubes - Colliers
Tubos - Abrazaderas

pagg. 7-9



Raccordi
Unions
Raccords
Racores

pagg. 10-13



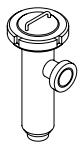
Riduzioni - Tee - Croci
Reducers - Tees - Crosses
Réductions - Tés - Croix
Reducciones - Tes - Cruces

pagg. 14-15



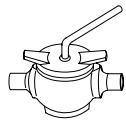
Curve
Bends
Coudes
Codos

pagg. 16-17



Filtri - Specole
Filters - Sight glasses
Filters - Regards
Filtros - Mirillas

pagg. 18-20



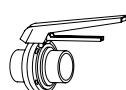
Rubinetti - Rubinetti di prelievo
Plug cocks - Sampling plugs
Robinets - Robinets dégustateurs
Grifos - Grifos tomamuestras

pagg. 21-22



Valvole di regolazione flusso - Valvole di sicurezza - Valvole di ritegno
Flow control valves - Relief valves - Check valves
Vannes de réglage flux - Soupapes de sûreté - Clapets de retenue
Válvulas de regulación - Válvulas de seguridad - Válvulas de retención

pagg. 23-25



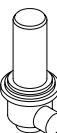
Valvole a farfalla - Valvole a farfalla a cerniera
Butterfly valves - Hinged butterfly valves
Vannes papillon - Vannes papillon à charnière
Válvulas de mariposa - Válvulas de mariposa de cremallera

pagg. 26-31



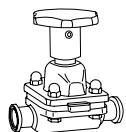
Valvole a sfera
Ball valves
Vannes à boule
Válvulas de bola

pagg. 32-35



Valvole pneumatiche norme 3-A
3-A pneumatic valves
Vannes pneumatiques normes 3-A
Válvulas neumáticas normas 3-A

pagg. 36-43



Valvole a membrana
Diaphragm valves
Vannes à membrane
Válvulas de membrana

pagg. 44-51



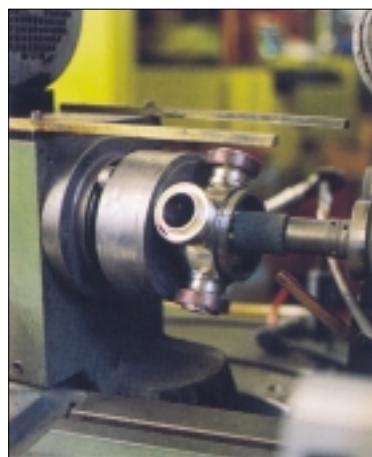
Norme DIN - Norme ISO
DIN standards - ISO standards
Normes DIN - Normes ISO
Normas DIN - Normas ISO

pagg. 52-55



La F.LLI TASSALINI OFFICINA MECCANICA S.P.A. opera nel campo delle produzioni meccaniche da oltre 80 anni e da 40 anni costruisce valvole e raccordi tecnologicamente avanzati di sua esclusiva progettazione e fabbricazione per l'industria agroalimentare, enologica, delle bevande, chimica e farmaceutica.

La completa gamma dei prodotti è realizzata in acciaio inossidabile AISI 304L e AISI 316L ed è ricavata da materiale laminato o da particolari stampati a caldo, solubilizzati e lavorati meccanicamente; speciale accuratezza è dedicata alla lavorazione delle parti filettate e l'eliminazione delle parti finali delle filettature è eseguita con operazioni meccaniche a garanzia di assoluta sicurezza durante la manipolazione dei pezzi.



La gamma degli articoli prodotti dalla F.Ili Tassalini s.p.a. è fabbricata secondo le principali norme internazionali (DIN, SMS, RJT BS, ISS IDF, Gas, Eno, Macon e Clamp) e comprende raccordi; riduzioni; tee; curve; filtri e specole; rubinetti; valvole di regolazione, sicurezza e ritegno;

valvole a farfalla di diversi tipi, a comando manuale e pneumatico, predisposti per l'inserimento di componenti elettrici; valvole a sfera; valvole pneumatiche, 3-A e di drenaggio; valvole a membrana.

Tutti i prodotti sono normalmente disponibili a magazzino nelle misure standard e l'ufficio tecnico della F.Ili Tassalini s.p.a. è a disposizione per lo studio di eventuali pezzi speciali necessari alla realizzazione di particolari impianti.

Gli oltre 7000 metri quadrati di superficie nella nuova sede di Peschiera Borromeo hanno garantito una più puntuale organizzazione della produzione, dei controlli e degli stoccati a magazzino e hanno consentito l'installazione di una serie di macchine utensili di ultima generazione, di concezione estremamente avanzata e operanti con programmi altamente sofisticati.

Una meticolosa serie di controlli e collaudi rappresenta un ulteriore aspetto operativo che concorre a garantire la qualità dei raccordi e delle valvole F.Ili Tassalini, riconosciuta a livello internazionale.

La F.Ili Tassalini s.p.a. è presente con una rete capillare di propri rivenditori sul mercato europeo e mondiale.

F.LLI TASSALINI OFFICINA MECCANICA S.P.A. has been operating in the machined products industry for over 80 years and for the last 40 years has made high-tech valves and fittings of its own exclusive design and manufacture for the food, wine, beverages, chemical and pharmaceutical industries.

All F.Ili Tassalini s.p.a. products are made of AISI 304L and AISI 316L stainless steel from hot-rolled material or press-forged sections, solution heat-treated and machined. Special care is given to the machining of threaded parts while the elimination of threaded ends is carried out by machining to ensure absolute safety to those handling the parts.

The range of articles produced by F.Ili Tassalini s.p.a. is manufactured in conformity with the main international standards (DIN, SMS, RJT BS, ISS IDF, Gas, Eno, Macon and Clamp standards) and includes unions; reducers; tees; bends; filters and sight glasses; plug cocks; flow control, relief and check valves; different types of butterfly valves with manual or pneumatic controls, designed for the insertion of electrical components; ball valves; pneumatic, 3-A, and drainage valves; diaphragm valves.

All products are stocked in standard dimensions and our engineering department is at the customer's complete disposal to develop customized parts for special systems.

F.Ili Tassalini's new premises in Peschiera Borromeo cover 7000 square metres making it possible to achieve accurate production planning, control and inventory, as well as allowing the installation of a series of latest-generation machine tools, conceived at the most advanced level and operating with highly sophisticated programmes.

A meticulous testing and inspection procedure is an additional aspect of operations which helps ensure the quality of F.Ili Tassalini fittings and valves, recognized worldwide.

F.Ili Tassalini s.p.a. is represented by a complete network of dealers and distributors on European and world markets.



F.LLI TASSALINI OFFICINA MECCANICA S.P.A. opère depuis plus de 80 ans dans le secteur des productions mécaniques et depuis 40 ans l'entreprise fabrique des vannes et des raccords d'un très haut niveau technologique, entièrement conçus et réalisés par elle-même, destinés à l'industrie agro-alimentaire, œnologique, des boissons, chimique et pharmaceutique.

Sa gamme complète de produits est réalisée en acier inoxydable AISI 304L et AISI 316L et est obtenue à partir de matériaux laminés ou de pièces moulées à chaud, solubilisées et usinées mécaniquement. Un soin tout particulier est réservé à l'usinage des parties filetées et l'élimination des extrémités des filetages est réalisée avec des opérations mécaniques garantissant une sécurité absolue pendant le maniement des pièces.

La gamme des articles produits par F.Lli Tassalini s.p.a. est fabriquée conformément aux principales normes internationales (DIN, SMS, RJT BS, ISS IDF, Gas, Eno, Macon et Clamp) et se compose de raccords; réductions; tés; coudes; filtres et regards; robinets; vannes de réglage, soupapes de sûreté et clapets de retenue; vannes papillon de différents types, à commande manuelle ou pneumatique, prévus pour l'insertion de composantes électriques; vannes à boule; vannes pneumatiques, 3-A et de drainage; vannes à membrane.

Tous les produits sont disponibles en stock dans les mesures standard. Le bureau technique de F.Lli Tassalini s.p.a. est en outre disponible pour la conception de pièces spéciales s'avérant nécessaires pour la réalisation d'installations particulières.

Avec une superficie de plus de 7000 m², le nouveau siège de Peschiera Borromeo assure une organisation plus rationnelle de la production, des contrôles et du stockage. Il a également permis d'installer toute une série de machines-outils de la dernière génération, d'une conception d'avant-garde et opérant avec des programmes très sophistiqués.

Une série méticuleuse de contrôles et d'essais représente un autre aspect du travail qui permet de garantir la qualité des raccords et des vannes F.Lli Tassalini, une qualité reconnue au niveau international.

La présence de F.Lli Tassalini s.p.a. sur les marchés européens et mondiaux est assurée grâce à son réseau très serré de revendeurs.



F.LLI TASSALINI OFFICINA MECCANICA S.P.A. trabaja en el sector de la producción mecánica desde hace más de 80 años y desde hace 40 años construye válvulas y raccors tecnológicamente de vanguardia, de su exclusivo diseño y fabricación, para la industria agroalimenticia, enológica, de bebidas, química y farmacéutica.

La gama completa de productos está realizada de acero inoxidable AISI 304L y AISI 316L y se obtiene a partir de material laminado o de piezas estampadas en caliente, solubilizadas y elaboradas mecánicamente; al maquinado de las piezas roscadas se le dedica un esmero especial mientras que la eliminación de las partes terminales de las roscas se efectúa mediante operaciones mecánicas que garantizan totalmente la seguridad durante la manipulación de las piezas.

La gama de artículos producidos por F.Lli Tassalini s.p.a. está fabricada según las principales normas internacionales (DIN, SMS, RJT BS, ISS IDF, Gas, Eno, Macon y Clamp) e incluye raccors; reducciones; tes; codos; filtros y mirillas; grifos; válvulas de regulación, de seguridad y de retención; válvulas de mariposa de diferentes tipos, con mando manual o neumático, predisuestos para conexiones con componentes eléctricos; válvulas de bola; válvulas neumáticas, 3-A y de drenaje; válvulas de membrana.

Normalmente todos los productos se encuentran disponibles en el almacén en las medidas estándar. Para la realización de sistemas especiales el departamento técnico de F.Lli Tassalini s.p.a. está a disposición de sus clientes para estudiar las piezas especiales que pudieran ser necesarias.

Los más de 7000 metros cuadrados de superficie en la nueva sede de Peschiera Borromeo garantizan una mejor organización de la producción, de los controles y de las existencias del almacén, y han permitido instalar una serie de máquinas herramientas de última generación, de concepción muy avanzada y que trabajan con programas altamente sofisticados.

Una meticulosa serie de controles y pruebas representa otro de los aspectos operativos que ayudan a garantizar la calidad de los raccors y de las válvulas F.Lli Tassalini, reconocida en los mercados internacionales.

F.Lli Tassalini s.p.a. está presente sobre el mercado europeo y mundial a través de una red muy extendida y ramificada de sus propios revendedores.

ACCIAI ACIERS	STEELS ACEROS	Italia Italy Italie Italia UNI	USA USA USA USA AISI	Germania Germany Allemagne Alemania WERKSTOFF	Francia France France Francia AFNOR	Svezia Sweden Suède Suecia SIS	Gran Bretagna Great Britain Grande-Bretagne Gran Bretaña BSI
La completa gamma dei prodotti Clamp è realizzata in acciaio inossidabile AISI 316L.	X2CrNiMo17-12	316L	1.4404	Z2CND 17-12	2348	316S11	

All Clamp products are made of AISI 316L stainless steel.

La gamme complète des produits Clamp est réalisée en acier inoxydable AISI 316L.

La gama completa de productos Clamp está realizada en acero inoxidable AISI 316L.

COMPOSIZIONE CHIMICA
CHEMICAL COMPOSITION
COMPOSITION CHIMIQUE
COMPOSICIÓN QUÍMICA

C	≤	0,03
Cr	≥	17,00
Ni	≥	12,00
Mo	≥	2,25
Si	≤	0,30
Mn	≤	1,40
S	≤	0,02
P	≤	0,02

CARATTERISTICHE MECCANICHE
MECHANICAL CHARACTERISTICS
CARACTÉRISTIQUES MÉCANIQUES
CARACTERÍSTICAS MECÁNICAS

Hd	18	÷	220
R	65	÷	75
S	≥	23	
AP5	≥	50	
C	≥	60	
KI	≥	18	

FINITURE FINISHES FINISSAGES	FINISHES ACABADOS
------------------------------------	----------------------

GRIT	Max R _a µm	Max r _a µ"
150	0,76-0,89	30-35
240	0,38-0,51	15-20
400	≤0,2	≤8

■ 150 GRIT

- Finitura LS: lucidatura esterna e satinatura interna.
- LS finish: external polishing and internal glazing.
- Finissage LS: polissage extérieur et satinage intérieur.
- Acabado LS: pulido exterior y satinado interior.

■ 240 GRIT

- Finitura LL: lucidatura esterna e interna.
- LL finish: external and internal polishing.
- Finissage LL: polissage extérieur et intérieur.
- Acabado LL: pulido exterior e interior.

■ 400 GRIT

- Finitura LE: lucidatura elettrolitica.
- LE finish: electrolytic polishing.
- Finissage LE: polissage électrolytique.
- Acabado LE: pulido electrolítico.



3-A SANITARY STANDARDS AUTHORIZATIONS NO. 538, 645, 787, 1199, 1200

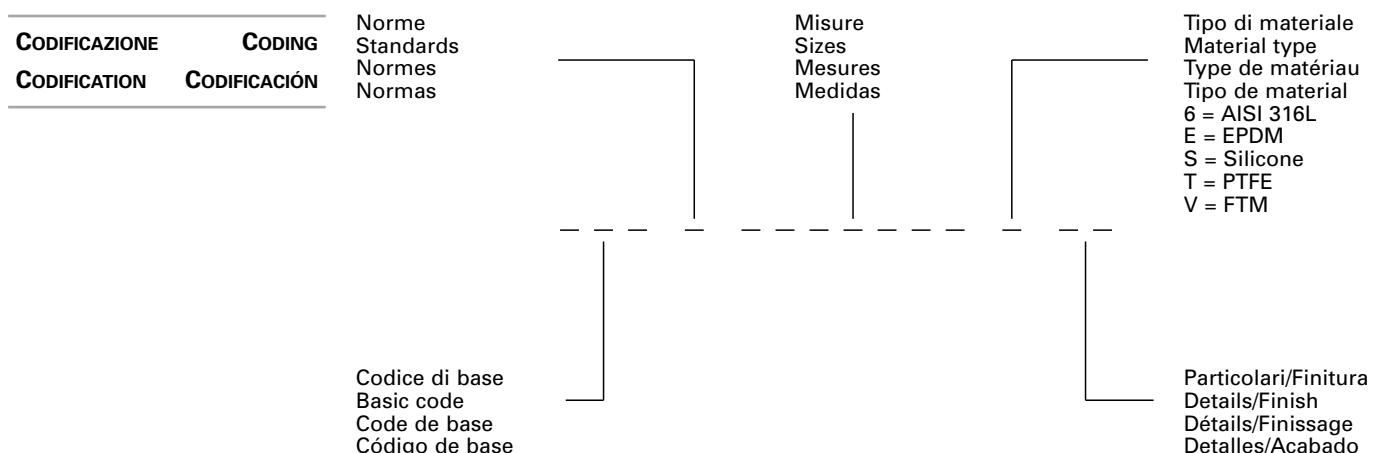
Tutti i raccordi Clamp, i rubinetti, le valvole a sfera modello 90, le valvole pneumatiche e le valvole a membrana sono realizzati seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.

All Clamps fittings, plug cocks, ball valves model 90, pneumatic valves and diaphragm valves are produced in strict conformity with criteria and tests required by 3-A standards.

Tous les raccords Clamp, les robinets, les vannes à boule modèle 90, les vannes pneumatiques et les vannes à membrane sont réalisés en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.

Todos los racores Clamp, los grifos, las válvulas de bola modelo 90, las válvulas neumáticas y las válvulas de membrana son realizados respectando rigurosamente los criterios y los tests establecidos por las normas 3-A.

ELASTOMERI	ELASTOMERS	Materiale Máterial Matériau Material	EDPM	Silicone	PTFE	FTM
Legenda: A = eccellente B = buono C = sufficiente X = insufficiente	Code Code Code Código	"E"	"S"	"T"	"V"	
Key: A = excellent B = good C = fair X = poor	Temperature Temperatures Températures Temperaturas	-30°C +140°C -20°F +280°F	-50°C +200°C -60°F +390°F	-10°C +150°C +15°F +300°C	-15°C +220°C +5°F +430°C	
Légende: A = excellent B = bon C = suffisant X = insuffisant	Acidi diluiti Dilute acids Acides dilués Ácidos diluidos	A/B	C	A	C	
Leyenda: A = excelente B = bueno C = suficiente X = insuficiente	Alcali Alkali Alcalis Álcalis	A/B	C	A	X	
	Grassi e olii vegetali e animali Vegetable & animal greases and oils Graisses et huiles végétales et animales Grasas y aceites vegetales y animales	B/C	B	A	A	
	Proprietà meccaniche a trazione Mechanical properties under traction Propriétés mécaniques de traction Propiedades mecánicas a la tracción	B	C	B	B	
	Resistenza all'abrasione Abrasion resistance Résistance à l'abrasion Resistencia a la abrasión	B/C	C/X	A	B	
	Deformazione permanente Permanent deformation Déformation permanente Deformación permanente	A (100°C/210°F)	A/B (175°C/350°F)	-	A (175°C/350°F)	
	Colore Color Couleur Color	Nero Black Noir Negro	Rosso/Bianco Red/White Rouge/Blanc Rojo/Blanco	Bianco White Blanc Blanco	Verde Green Vert Verde	



PRODOTTI CLAMP

■ Elevato grado di igienicità

Le superfici interne perfettamente lisce e prive di zone di ritenzione assicurano il flusso continuo del prodotto, minimizzando le perdite di carico e il pericolo di contaminazione.

■ Accoppiamenti e allineamenti di precisione

La perfetta circolarità alle estremità e in ogni sezione trasversale consente accoppiamenti e allineamenti di precisione.

■ Facilità di installazione

Le rigide tolleranze dimensionali assicurano un veloce assemblaggio e costi di installazione ridotti.

■ Facilità di manutenzione

Manutenzioni ridotte con facilità di accesso.

■ Elevata resistenza alla corrosione

La solubilizzazione dei prodotti ne assicura l'elevata resistenza alla corrosione e la lunga durata di esercizio.

■ Atossicità degli elastomeri

Ampia gamma di elastomeri non tossici, non assorbenti e resistenti agli agenti di contatto.

PRODUITS CLAMP

■ Niveau d'hygiène élevé

Les surfaces internes parfaitement lisses et sans zones de rétention garantissent le flux continu du produit tout en réduisant au minimum les pertes de charge et le risque de contamination.

■ Accouplements et alignements de précision

La circularité parfaite aux extrémités et dans chaque section transversale permet des accouplements et des alignements de la plus grande précision.

■ Facilité d'installation

Les tolérances dimensionnelles sévères adoptées assurent une grande rapidité d'assemblage et des coûts d'installation réduits.

■ Facilité d'entretien

Opérations d'entretien réduites au minimum et accès facile.

■ Résistance élevée à la corrosion

La solubilisation des produits offre une résistance élevée à la corrosion et leur procure une longue durée de vie.

■ Atoxicité des élastomères

Vaste gamme d'élastomères non-toxiques, non-absorbants et résistant aux agents de contact.

CLAMP PRODUCTS

■ High hygiene level

Perfectly smooth internal surfaces free from retention areas ensure continuous product flow, minimal pressure drop and minimal danger of contamination.

■ Accurate coupling and alignment

Perfect roundness at ends and all cross sections allows accurate coupling and alignment.

■ Ease of installation

Strict dimensional tolerances ensure fast assembly and low installation costs.

■ Ease of maintenance

Low maintenance with ease of access.

■ High corrosion resistance

Solubilization of products ensures high corrosion resistance and long working life.

■ Non-toxicity of elastomers

Broad range of non-toxic, non-absorbent agent-resistant elastomers.

PRODUCTOS CLAMP

■ Elevado grado de higiene

Las superficies internas perfectamente lisas y sin zonas de retención aseguran el flujo continuo del producto minimizando las pérdidas de carga y el peligro de contaminación.

■ Acoplamientos y alineamientos de precisión

La perfecta forma circular de los extremos y de cada sección transversal permite realizar acoplamientos y alineamientos de precisión.

■ Facilidad de instalación

Las rígidas tolerancias dimensionales aseguran un rápido ensamblado y costos de instalación reducidos.

■ Facilidad de mantenimiento

Mantenimiento reducido con facilidad de acceso.

■ Elevada resistencia a la corrosión

La solubilización de los productos asegura una elevada resistencia a la corrosión y una larga duración de ejercicio.

■ No toxicidad de los elastómeros

Amplia gama de elastómeros no tóxicos, no absorbentes y resistentes a los agentes de contacto.



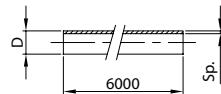
TUBI
PIPES
TUBES
TUBOS



CLAMP

TUBI

- Fabbricati in acciaio inossidabile AISI 316L; ricavati da nastri ricotti con finitura BA o 2B, saldati in argon con sistema TIG, calibrati, con cordone di saldatura interno laminato a freddo e scordonati esternamente mediante tele abrasive. Solubilizzati in atmosfera controllata.
- Sottoposti a controlli non distruttivi (linea di controllo a correnti parassite), verifica delle caratteristiche meccaniche, controllo dimensionale ed esame delle superfici.
- Prodotti in accordo con le tolleranze dimensionali prescritte dalle norme di fabbricazione ASTM A269 e A270.



DN	D	Sp.	gr
1/2"	12,7	1,65	400
3/4"	19,0	1,65	719
1"	25,4	1,25	756
1 1/2"	25,4	1,65	981
1 1/2"	38,1	1,25	1.154
1 1/2"	38,1	1,65	1.506
2"	50,8	1,25	1.551
2"	50,8	1,65	2.031
2 1/2"	63,5	1,65	2.556
3"	76,1	1,65	3.076
4"	101,6	2,11	5.256
4"	104,0	2	5.108

PIPES

- Manufactured from AISI 316L stainless steel. Made from annealed sheet with BA or 2B finish, argon welded with the TIG system, gauged, with cold-rolled internal weld bead and debeaded externally with emery cloth. Solution heat-treated in controlled atmosphere.
- Subjected to non-destructive inspection (inspection line with parasite currents), check on mechanical features, dimensional inspection and surface examination.
- Produced in conformity with dimensional tolerance levels stipulated in ASTM A269 and A270 manufacturing standards.



TUBES

- Fabriqués en acier inoxydable AISI 316L. Obtenus à partir de feuillards recuits avec finissage BA ou 2B, soudés à l'argon avec le système TIG, calibrés, avec bourrelet de soudure intérieur laminé à froid et débourrelés à l'extérieur avec de la toile abrasive. Solubilisés en atmosphère contrôlée.
- Soumis à des contrôles non destructifs (ligne de contrôle à courants parasites), vérification des caractéristiques mécaniques, contrôle des dimensions et examen des surfaces.
- Produits conformes aux tolérances dimensionnelles prescrites par les normes de fabrication ASTM A269 et A270.

TUBOS

- Fabricados en acero inoxidable AISI 316L; obtenidos a partir de planchas recocidas con acabado BA o 2B, soldados en argón mediante el sistema TIG, calibrados, con cordón de soldadura interior laminado en frío y sin cordón exterior mediante telas abrasivas. Solubilizados en atmósfera controlada.
- Sometidos a controles no destructivos (línea de control de corrientes parásitas), verificación de las características mecánicas, control de las dimensiones y examen de las superficies.
- Producidos de acuerdo a las tolerancias de dimensiones prescritas por las normas de fabricación ASTM A269 y A270.



REGGITUBI

- Fabbricati in acciaio inossidabile AISI 304L con superficie elettolucidata.
- Di solida costruzione, garantiscono un sostegno sicuro ed efficace.
- 092 • Supporto inferiore e supporto superiore uguali. Supporto inferiore corredabile di un tronchetto saldato. Collegamento tra supporto inferiore e supporto superiore mediante galletto o dado esagonale.
- 094 • Reggitubo di forma ottagonale completo di segmenti plásticos para eliminar el rozamiento durante la dilatación de los tubos y garantizar el total aislamiento dielectrico. Soporte inferior articulado al soporte superior mediante una cremallera. Rosca $\frac{1}{2}$ " Gas en la parte terminal del reggitubo 094 F para permitir la posible introducción de un espárrago disponible en diferentes longitudes.

PIPE HANGERS

- Made of AISI 304L stainless steel with electropolished surface.
- High strength construction to ensure safe effective support.
- 092 • The same lower and upper supports. Lower support may be fitted with welded pipe. Connection between lower and upper support with wing nuts or hexagonal nuts.
- 094 • Octagonal pipe hanger equipped with plastic segments designed to eliminate friction during expansion of piping and ensure complete dielectric insulation. Lower support hinged to upper support. $\frac{1}{2}$ " BSP thread in the terminal part of the pipe hanger 094 F to allow insertion of a threaded pipe available in different lengths.

COLLIERS

- Fabriqués en acier inoxydable AISI 304L, avec surface électropolie.
- D'une construction robuste, ils garantissent un soutien sûr et efficace.
- 092 • Support inférieur et support supérieur identiques. Possibilité d'installer un fourreau soudé sur le support inférieur. Attelage du support inférieur et du support supérieur à l'aide de vis à oreilles ou de écrou 6 pans.
- 094 • Collier de forme octogonale muni de segments en plastique capables d'éliminer le frottement durant la dilatation des tubes et de garantir une isolation diélectrique totale. Support inférieur articulé et raccordé au support supérieur par une charnière. Filetage $\frac{1}{2}$ " Gas dans la partie finale du collier 094 F pour permettre l'éventuelle insertion d'un fourreau fileté disponible en différentes longueurs.

ABRAZADERAS

- Fabricadas de acero inoxidable AISI 304L con superficie pulida eléctricamente.
- De sólida construcción, garantizan un sostén seguro y eficaz.
- 092 • Soporte inferior y soporte superior iguales. El soporte inferior se puede entregar junto con un espárrago soldado. Conexión entre el soporte inferior y el soporte superior a través de una tuerca mariposa o bien una tuerca hexagonal.
- 094 • Abrazadera de forma octagonal completa de segmentos plásticos que permiten eliminar el rozamiento durante la dilatación de los tubos y garantizan el total aislamiento dieléctrico. Soporte inferior articulado al soporte superior mediante una cremallera. Rosca $\frac{1}{2}$ " Gas en la parte terminal de la abrazadera 094 F para permitir la posible introducción de un espárrago disponible en diferentes longitudes.





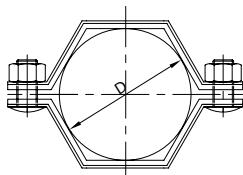
REGGITUBI
PIPE HANGERS
COLLIERS
ABRAZADERAS



CLAMP

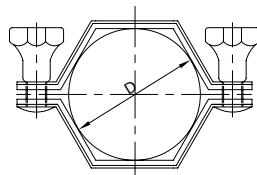
REGGITUBO EL.
PIPE HANGER PE.
COLLIER BL.
ABRAZADERA EL.

092 LD



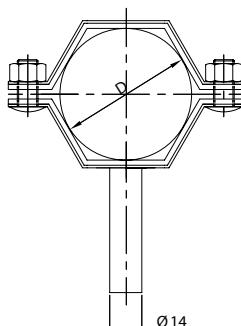
REGGITUBO EL.
PIPE HANGER PE.
COLLIER BL.
ABRAZADERA EL.

092 LG



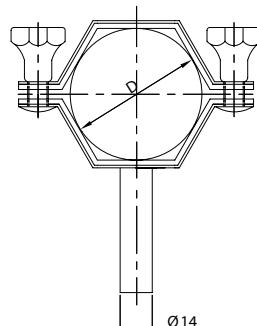
REGG. TRONCHETTO
STUB PIPE HANGER
COLLIER FOURREAU
ABR. ESPARRAGO

092 TD



REGG. TRONCHETTO
STUB PIPE HANGER
COLLIER FOURREAU
ABR. ESPARRAGO

092 TG



DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

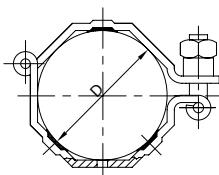
DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

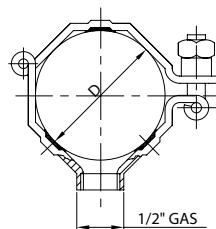
REGGIT. OTTAGONALE EL.
OCTAGONAL P. HANGER PE.
COLLIER OCTOGONAL BL.
ABRAZAD. OCTAGONAL EL.

094 L



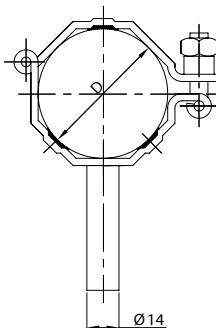
REGGIT. OTTAGONALE EF.
OCTAGONAL P. HANGER ME.
COLLIER OCTOGONAL BF.
ABRAZAD. OCTAGONAL ER.

094 F



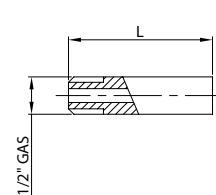
R. OTT. TRONCHETTO
STUB OCT. PIPE HANGER
COLLIER OCT. FOURREAU
ABR. OCT. ESPARRAGO

094 T



TRONCHETTO FILETTATO
THREADED PIPE
FOURREAU FILETÉ
ESPARRAGO

095 G



DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

DN	D	gr
1" 25	25,4	110
1 1/2" 38	38,1	130
2" 51	50,8	160
2 1/2" 63	63,5	200
3" 76	76,1	220
4" 101	101,6	270

DN	D	gr
1" 25	25,4	130
1 1/2" 38	38,1	150
2" 51	50,8	180
2 1/2" 63	63,5	220
3" 76	76,1	240
4" 101	101,6	290

Cod.	G	L
095 G 50	1/2"	50,0
095 G 100	1/2"	100,0
095 G 150	1/2"	150,0
095 G 200	1/2"	200,0



RACCORDI

- Ricavati da particolari stampati a caldo o laminati e solubilizzati.
- Chiusura rapida conformemente alle norme 3-A.
- Produzione standard: 1/2" – 4"; a richiesta, dimensioni fino a 8".
- A richiesta, produzione a norme DIN e ISO.
- Certificazioni di materiale e test di rugosità disponibili su richiesta.

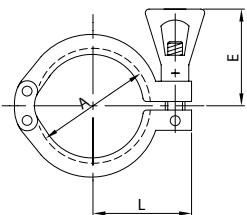
UNIONS

- Made from hot-rolled or press-forged material and solution heat-treated.
- Quick closing in conformity with 3-A standards.
- Standard production: 1/2"– 4". Up to 8" on request.
- On request, production in conformity with DIN and ISO standards.
- Material certification and roughness tests available on request.



**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**

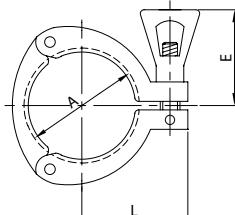
K12



DN	A	E	L	gr
1/2"	12	27,0	35,0	27,0
3/4"	19	27,0	35,0	27,0
1"	25	53,4	53,0	43,0
1 1/2"	38	53,4	53,0	43,0
2"	51	67,0	53,0	51,5
2 1/2"	63	80,4	53,0	58,2
3"	76	94,0	53,0	65,0
4"	101	122,0	53,0	85,0
				220
				330
				400
				500

**MORSETTO 3 GANASCE
HEAVY DUTY CL. 3 PIECES
COLLIER CLAMP 3 PIÈCES
ABRAZAD. 3 MORDAZAS**

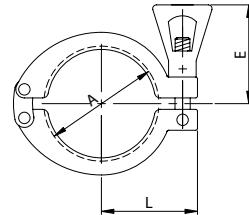
K13



DN	A	E	L	gr
1"	25	53,4	53,0	45,0
1 1/2"	38	53,4	53,0	45,0
2"	51	67,0	53,0	51,5
2 1/2"	63	80,4	53,0	58,2
3"	76	94,0	53,0	65,0
4"	101	122,0	53,0	85,0
				270
				395
				425
				540

**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**

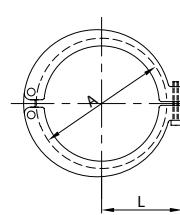
K15



DN	A	E	L	gr
1/2"	25	54,5	53,0	43,7
1 1/2"	38	54,5	53,0	43,7
2"	51	68,0	53,0	50,5
2 1/2"	63	81,5	53,0	57,2
3"	76	95,0	53,0	64,0
4"	101	123,0	53,0	78,0
				220
				330
				400
				500

**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**

K12 HP



DN	A	L	gr
5"	127	148,0	95,0
6"	152	170,0	111,0
8"	203	222,0	137,0
			750
			1.450
			1.750

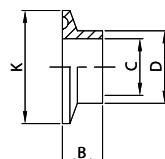


RACCORDS

- Obtenus à partir de pièces moulées à chaud ou laminées et solubilisées.
- Fermeture rapide conforme aux normes 3-A.
- Production standard: 1/2" – 4"; sur demande, dimensions jusqu'à 8".
- Sur demande, production conforme aux normes DIN et ISO.
- Certifications des matériaux et tests de rugosité disponibles sur demande.

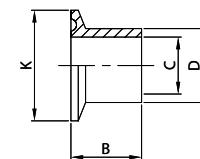
**SEMIRACC. CORTO SR.
SHORT WG. FERRULE
FERRULE SR. COURTE
ENLACE CORTO SR.**

K14 S



**SEMIRACCORDO SR.
WG. FERRULE
FERRULE SR.
ENLACE SR.**

K14 W



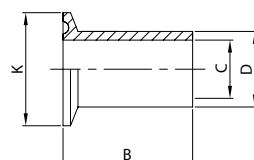
DN	B	C	D	K	gr
1/2"	12	12,7	9,4	12,7	25,0
3/4"	19	12,7	15,7	19,0	25,0
1"	25	12,7	22,1	25,4	50,5
1 1/2"	38	12,7	34,8	38,1	50,5
2"	51	12,7	47,5	50,8	64,0
2 1/2"	63	12,7	60,2	63,5	77,5
3"	76	12,7	72,9	76,2	91,0
4"	101	15,8	97,4	101,6	119,0
4"	104	15,8	100,0	104,0	180

DN	B	C	D	K	gr
1/2"	12	21,0	9,4	12,7	25,0
3/4"	19	21,0	15,7	19,0	25,0
1"	25	28,6	22,1	25,4	50,5
1 1/2"	38	28,6	34,8	38,1	50,5
2"	51	28,6	47,5	50,8	64,0
2 1/2"	63	28,6	60,2	63,5	77,5
3"	76	28,6	72,9	76,2	91,0
4"	101	28,6	97,4	101,6	119,0
4"	104	28,6	100,0	104,0	180
5"	127	28,6	122,0	127,0	144,4
6"	152	28,6	147,4	152,4	166,0
8"	203	28,6	198,2	203,2	217,0



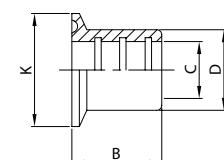
**SEMIRACC. LUNGO SR.
LONG WG. FERRULE
FERRULE SR. LONGUE
ENLACE LARGO SR.**

K14 WL



**SEMIRACCORDO MR.
ROLL-ON FERRULE
FERRULE DR.
ENLACE MR.**

K14 R



DN	B	C	D	K	gr
1"	25	76,2	22,1	25,4	50,5
1 1/2"	38	76,2	34,8	38,1	50,5
2"	51	76,2	47,5	50,8	64,0
2 1/2"	63	76,2	60,2	63,5	77,5
3"	76	101,6	72,9	76,2	91,0
4"	101	101,6	97,4	101,6	119,0
4"	104	101,6	100,0	104,0	180

DN	B	C	D	K	gr
1"	25	19,0	25,4	29,6	50,5
1 1/2"	38	28,6	38,1	42,6	50,5
2"	51	33,4	50,8	55,8	64,0
2 1/2"	63	35,0	63,5	68,8	77,5
3"	76	36,5	76,2	82,0	91,0
4"	101	38,0	101,6	110,0	119,0



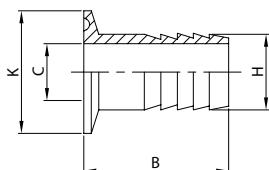
RACORES

- Obtenidos a partir de piezas estampadas en caliente o laminadas y solubilizadas.
- Cierre rápido en conformidad con las normas 3-A.
- Producción estándar: 1/2" – 4"; a pedido, dimensiones de hasta 8".
- A pedido, producción según normas DIN e ISO.
- Certificaciones de materiales y tests de rugosidad disponibles a pedido.



**PORTAGOMMA E. SM.
HOSE ADAPTOR E. FR.
PORTE CAOUTCHOUC B. FR.
M. MANGUERA E. SM.**

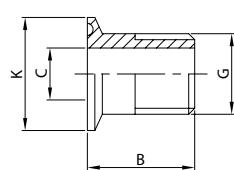
K14 RHA



DN	B	C	H	K	gr
1/2" 12	38,1	9,5	12,7	25,0	26
3/4" 19	38,1	15,7	19,0	25,0	40
1" 25	42,9	20,6	25,4	50,5	70
1 1/2" 38	42,9	33,3	38,1	50,5	140
2" 51	58,7	46,0	50,8	64,0	250
2 1/2" 63	59,5	58,7	63,5	77,5	370
3" 76	78,6	72,0	76,2	91,0	505
4" 101	86,5	97,4	101,6	119,0	685

**SEMIRACCORDO EF. GAS
BSP ADAPTOR
FERRULE BF. GAS
ENLACE ROSCA GAS**

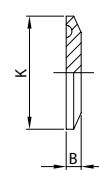
K14 BSPM



DN	B	C	G	K	gr
1" 25	30,0	21,7	1"	50,5	70
1 1/2" 38	32,0	34,4	1 1/2"	50,5	140
2" 51	36,0	47,1	2"	64,0	250
2 1/2" 63	39,0	59,8	2 1/2"	77,5	370
3" 76	46,0	72,5	3"	91,0	505
4" 101	56,0	96,7	4"	119,0	685

**TAPPO
SOLID END CAP
BOUCHON
TAPÓN**

K16



DN	B	K	gr
1/2" 12	4,7	25,0	16
3/4" 19	4,7	25,0	16
1" 25	6,4	50,5	70
1 1/2" 38	6,4	50,5	70
2" 51	6,4	64,0	140
2 1/2" 63	6,4	77,5	200
3" 76	6,4	91,0	410
4" 101	7,9	119,0	570
5" 127	11,0	144,4	1.400
6" 152	13,0	166,0	2.200
8" 203	13,0	217,0	3.700



GUARNIZIONI

- Fornite in tre differenti modelli: guarnizione Clamp standard, guarnizione a labbro, guarnizione a busta.

GASKETS

- Supplied in three different models: standard Clamp gasket, lip gasket, envelope gasket.

JOINTS

- Fournis en trois différents modèles: joint Clamp standard, joint à lèvre, joint à enveloppe.

JUNTAS

- Se suministran en tres modelos diferentes: junta Clamp estándar, junta de reborde, junta de sobre.

K40

- EPDM
- Silicone
- PTFE
- FTM

K39

- EPDM
- PTFE
- Silicone e FTM a richiesta / Silicone or FTM on request / Silicone et FTM sur demande / Silicone y FTM a pedido

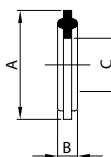
K40 TE

- EPDM rivestito PTFE / PTFE-coated EPDM / EPDM revêtu PTFE / EPDM revestido PTFE



**GUARNIZIONE
GASKET
JOINT
JUNTA**

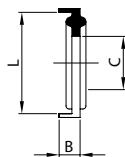
K40



DN	A	B	C
1/2"	12	21,8	4,5
3/4"	19	21,8	4,5
1"	25	49,5	5,3
1 1/2"	38	49,5	5,3
2"	51	63,0	5,3
2 1/2"	63	76,5	5,3
3"	76	90,0	5,3
4"	101	118,0	5,3
5"	127	143,4	5,3
6"	152	165,0	5,3
8"	203	216,0	5,3
			194,2

**GUARNIZIONE A LABBRO
LIP GASKET
JOINT À LÈVRE
JUNTA DE REBORDE**

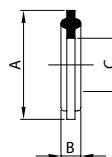
K39



DN	B	C	L
1/2"	12	4,5	10,0
3/4"	19	4,5	16,5
1"	25	5,3	23,2
1 1/2"	38	5,3	36,2
2"	51	5,3	49,2
2 1/2"	63	5,3	60,5
3"	76	5,3	73,1
4"	101	5,3	97,6

**GUARNIZIONE A BUSTA
ENVELOPE GASKET
JOINT À ENVELOPPE
JUNTA DE SOBRE**

K40 TE



DN	A	B	C
1/2"	12	21,8	4,5
3/4"	19	21,8	4,5
1"	25	49,5	5,3
1 1/2"	38	49,5	5,3
2"	51	63,0	5,3
2 1/2"	63	76,5	5,3
3"	76	90,0	5,3
4"	101	118,0	5,3
5"	127	143,4	5,3
6"	152	165,0	5,3
8"	203	216,0	5,3
			194,2

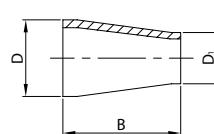


RIDUZIONI - TEE - CROCI

- Ricavati da tubi elettrouniti laminati a freddo e solubilizzati.
- Calibrati internamente ed esternamente al fine di ottenere una buona circolarità.
- Intestati alle estremità per assicurare la perfetta ortogonalità dei piani.
- Produzione standard: 1/2" – 4"; a richiesta, dimensioni fino a 8".
- A richiesta, produzione a norme DIN e ISO.
- Certificazioni di materiale e test di rugosità disponibili su richiesta.

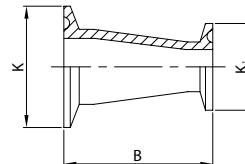
RIDUZIONE CONC. EL.
 CONC. REDUCER PE.
 RÉDUCTION CONC. BL.
 REDUCCIÓN CONC. EL.

W31



RIDUZIONE CONC. E. SM.
 CONC. REDUCER E. FR.
 RÉDUCTION CONC. B. FR.
 REDUCCIÓN CONC. E. SM.

K31



DN	B	D	D ₁	gr
3/4"-1/2"	19/12	25,4	19,0	12,7 50
1"-1/2"	25/12	25,4	25,4	12,7 70
1"-3/4"	25/19	25,4	25,4	19,0 80
1 1/2"-1/2"	38/12	50,8	38,1	12,7 90
1 1/2"-3/4"	38/19	50,8	38,1	19,0 90
1 1/2"-1"	38/25	67,0	38,1	25,4 100
2"-1 1/2"	51/38	67,0	50,8	38,1 140
2 1/2"-2"	63/51	67,0	63,5	50,8 160
3"-2"	76/51	67,0	76,2	50,8 180
3"-2 1/2"	76/63	67,0	76,2	63,5 220
4"-3"	101/76	67,0	101,6	76,2 280

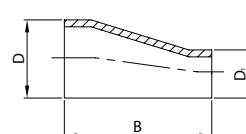
DN	B	K	K ₁	gr
3/4"-1/2"	19/12	50,8	25,0	25,0 80
1"-1/2"	25/12	50,8	50,5	25,0 140
1"-3/4"	25/19	50,8	50,5	25,0 160
1 1/2"-1/2"	38/12	76,2	50,5	25,0 200
1 1/2"-3/4"	38/19	76,2	50,5	25,0 200
1 1/2"-1"	38/25	92,4	50,5	50,5 240
2"-1 1/2"	51/38	92,4	64,0	50,5 250
2 1/2"-2"	63/51	92,4	77,5	64,0 300
3"-2"	76/51	92,4	91,0	64,0 400
3"-2 1/2"	76/63	92,4	91,0	77,5 390
4"-3"	101/76	92,4	119,0	91,0 775

REDUCERS - TEES - CROSSES

- Made from cold-rolled electrojointed and solution heat-treated pipe.
- Gauged inside and outside to obtain suitable roundness.
- Faced on the ends to ensure perfect right angles of planes.
- Standard production: 1/2" – 4". Up to 8" on request.
- On request, production in conformity with DIN and ISO standards.
- Material certification and roughness tests available on request.

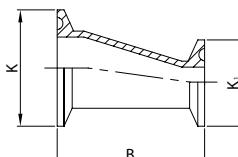
RIDUZIONE ECC. EL.
 ECC. REDUCER PE.
 RÉDUCTION EXC. BL.
 REDUCCIÓN EXC. EL.

W32



RIDUZIONE ECC. E. SM.
 ECC. REDUCER E. FR.
 RÉDUCTION EXC. B. FR.
 REDUCCIÓN EXC. E. SM.

K32



DN	B	D	D ₁	gr
3/4"-1/2"	19/12	25,4	19,0	12,7 50
1"-1/2"	25/12	25,4	25,4	12,7 80
1"-3/4"	25/19	25,4	25,4	19,0 80
1 1/2"-1"	38/25	67,0	38,1	25,4 110
2"-1 1/2"	51/38	67,0	50,8	38,1 150
2 1/2"-2"	63/51	67,0	63,5	50,8 170
3"-2"	76/51	67,0	76,2	50,8 250
3"-2 1/2"	76/63	67,0	76,2	63,5 230
4"-3"	101/76	67,0	101,6	76,2 510

DN	B	K	K ₁	gr
3/4"-1/2"	19/12	50,8	25,0	25,0 80
1"-1/2"	25/12	50,8	50,5	25,0 160
1"-3/4"	25/19	50,8	50,5	25,0 160
1 1/2"-1"	38/25	92,4	50,5	50,5 250
2"-1 1/2"	51/38	92,4	64,0	50,5 260
2 1/2"-2"	63/51	92,4	77,5	64,0 300
3"-2"	76/51	92,4	91,0	64,0 400
3"-2 1/2"	76/63	92,4	91,0	77,5 400
4"-3"	101/76	92,4	119,0	91,0 790



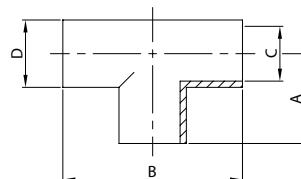
RÉDUCTIONS - TÉS - CROIX

- Obtenu à partir de tubes électrosoudés, laminés à froid et solubilisés.
- Calibrés à l'intérieur et à l'extérieur afin d'obtenir une bonne circularité.
- Façonnés aux extrémités pour assurer l'orthogonalité parfaite des plans.
- Production standard: 1/2" - 4"; sur demande, dimensions jusqu'à 8".
- Sur demande, production conforme aux normes DIN et ISO.
- Certifications des matériaux et tests de rugosité disponibles sur demande.

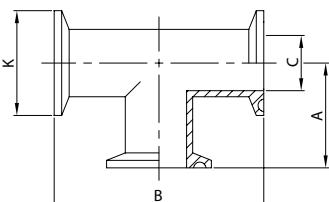
TEE EL.
TEE PE.
TÉ BL.
TE EL.

TEE E. SM.
TEE E. FR.
TÉ B. FR.
TE E. SM.

W7



K7



DN	A	B	C	D	gr
1/2"	12	53,9	107,8	9,4	12,7
3/4"	19	53,9	107,8	15,7	19,0
1"	25	28,6	57,2	22,1	25,4
1 1/2"	38	42,1	84,2	34,8	38,1
2"	51	52,4	104,8	47,5	50,8
2 1/2"	63	59,5	119,0	60,2	63,5
3"	76	65,9	131,8	72,9	76,2
4"	101	87,3	174,6	97,4	101,6
					900

DN	A	B	C	K	gr
1/2"	12	66,6	133,2	9,4	25,0
3/4"	19	66,6	133,2	15,7	25,0
1"	25	60,3	120,6	22,1	50,5
1 1/2"	38	69,9	139,8	34,8	50,5
2"	51	88,9	177,8	47,5	64,0
2 1/2"	63	88,9	177,8	60,2	77,5
3"	76	95,3	190,6	72,9	91,0
4"	101	114,3	228,6	97,4	119,0
					1.760

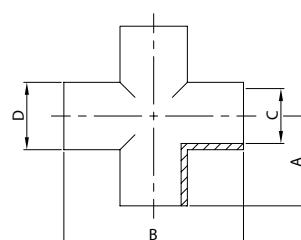
REDUCCIONES - TES - CRUCES

- Obtenidas a partir de tubos unidos eléctricamente, laminados en frío y solubilizados.
- Calibradas interior y exteriormente con la finalidad de obtener una forma circular perfecta.
- Trabajadas en los extremos para asegurar que las superficies sean perfectamente ortogonales.
- Producción estándar: 1/2" - 4"; a pedido, dimensiones de hasta 8".
- A pedido, producción según normas DIN e ISO.
- Certificaciones de materiales y tests de rugosidad disponibles a pedido.

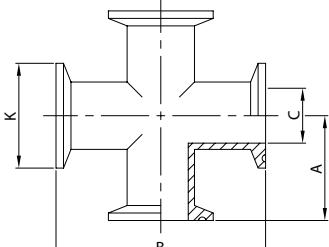
CROCE EL.
CROSS PE.
CROIX BL.
CRUZ EL.

CROCE E. SM.
CROSS E. FR.
CROIX B. FR.
CRUZ E. SM.

W9



K9



DN	A	B	C	D	gr
1/2"	12	53,9	107,8	9,4	12,7
3/4"	19	53,9	107,8	15,7	19,0
1"	25	28,6	57,2	22,1	25,4
1 1/2"	38	42,1	84,2	34,8	38,1
2"	51	52,4	104,8	47,5	50,8
2 1/2"	63	59,5	119,0	60,2	63,5
3"	76	65,9	131,8	72,9	76,2
4"	101	87,3	174,6	97,4	101,6
					1.200

DN	A	B	C	K	gr
1/2"	12	66,6	133,2	9,4	25,0
3/4"	19	66,6	133,2	15,7	25,0
1"	25	60,3	120,6	22,1	50,5
1 1/2"	38	69,9	139,8	34,8	50,5
2"	51	88,9	177,8	47,5	64,0
2 1/2"	63	88,9	177,8	60,2	77,5
3"	76	95,3	190,6	72,9	91,0
4"	101	114,3	228,6	97,4	119,0
					1.880

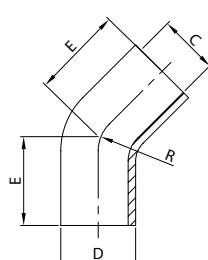
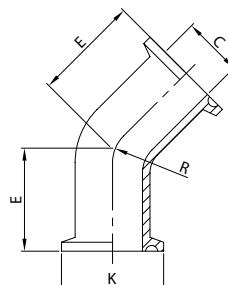


CURVE

- Ricavate da tubi elettrouniti laminati a freddo e solubilizzati.
- Calibrate internamente ed esternamente al fine di ottenere una buona circolarità.
- Intestate alle estremità per assicurare la perfetta ortogonalità dei piani.
- Produzione standard: 1/2" - 4"; a richiesta, dimensioni fino a 8".
- A richiesta, produzione a norme DIN e ISO.
- Certificazioni di materiale e test di rugosità disponibili su richiesta.

 CURVA 45° EL.
 BEND 45° PE.
 COUDE 45° BL.
 CODO 45° EL.

 CURVA 45° E. SM.
 BEND 45° E. FR.
 COUDE 45° B. FR.
 CODO 45° E. SM.

W2K

K2K


DN	C	D	E	R	gr
1/2"	12	9,4	12,7	57,1	44,4
3/4"	19	15,7	19,0	57,1	66,5
1"	25	22,1	25,4	30,2	38,1
1 1/2"	38	34,8	38,1	41,3	57,2
2"	51	47,5	50,8	58,7	76,2
2 1/2"	63	60,2	63,5	76,2	95,3
3"	76	72,9	76,2	93,7	114,3
4"	101	97,4	101,6	122,3	152,4
					800

DN	C	E	K	R	gr
1/2"	12	9,4	69,8	25,0	44,4
3/4"	19	15,7	69,8	25,0	66,5
1"	25	22,1	28,6	50,5	38,1
1 1/2"	38	34,8	36,5	50,5	57,2
2"	51	47,5	44,5	64,0	76,2
2 1/2"	63	60,2	52,4	77,5	95,3
3"	76	72,9	60,3	91,0	114,3
4"	101	97,4	79,4	119,0	152,4
					1.020



BENDS

- Made from cold-rolled electrojointed and solution heat-treated pipe.
- Gauged inside and outside to obtain suitable roundness.
- Faced on the ends to ensure perfect right angles of planes.
- Standard production: 1/2" - 4". Up to 8" on request.
- On request, production in conformity with DIN and ISO standards.
- Material certification and roughness tests available on request.



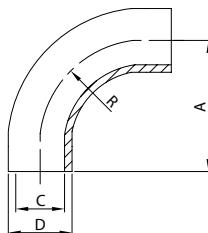
COUDES

- Obtenus à partir de tubes électrosoudés, laminés à froid et solubilisés.
- Calibrés à l'intérieur et à l'extérieur afin d'obtenir une bonne circularité.
- Façonnés aux extrémités pour assurer l'orthogonalité parfaite des plans.
- Production standard: 1/2" - 4"; sur demande, dimensions jusqu'à 8".
- Sur demande, production conforme aux normes DIN et ISO.
- Certifications des matériaux et tests de rugosité disponibles sur demande.

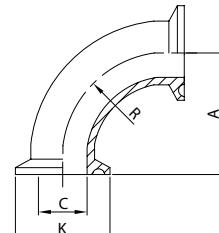
**CURVA 90° ES.
BEND 90° WE.
COUDE 90° BS.
CODO 90° ES.**

**CURVA 90° E. SM.
BEND 90° E. FR.
COUDE 90° B. FR.
CODO 90° E. SM.**

W2C



K2C



DN	A	C	D	R	gr
1/2" 12	76,2	9,4	12,7	44,4	56
3/4" 19	76,2	15,7	19,0	66,5	95
1" 25	52,4	22,1	25,4	38,1	160
1 1/2" 38	74,6	34,8	38,1	57,2	180
2" 51	103,2	47,5	50,8	76,2	340
2 1/2" 63	131,8	60,2	63,5	95,3	460
3" 76	160,3	72,9	76,2	114,3	700
4" 101	211,1	97,4	101,6	152,4	1.300

DN	A	C	K	R	gr
1/2" 12	88,9	9,4	25,0	44,4	90
3/4" 19	88,9	15,7	25,0	66,5	120
1" 25	50,8	22,1	50,5	38,1	170
1 1/2" 38	69,9	34,8	50,5	57,2	200
2" 51	88,9	47,5	64,0	76,2	370
2 1/2" 63	108,0	60,2	77,5	95,3	500
3" 76	127,0	72,9	91,0	114,3	910
4" 101	168,3	97,4	119,0	152,4	1.660

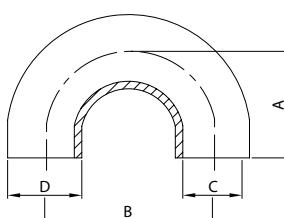
CODOS

- Obtenidos a partir de tubos unidos eléctricamente, laminados en frío y solubilizados.
- Calibrados interior y exteriormente con la finalidad de obtener una forma circular perfecta.
- Trabajados en los extremos para asegurar que las superficies sean perfectamente ortogonales.
- Producción estándar: 1/2" - 4"; a pedido, dimensiones de hasta 8".
- A pedido, producción según normas DIN e ISO.
- Certificaciones de materiales y tests de rugosidad disponibles a pedido.

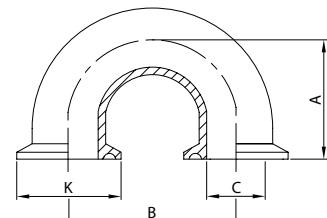
**CURVA 180° EL.
BEND 180° PE.
COUDE 180° BL.
CODO 180° EL.**

**CURVA 180° E. SM.
BEND 180° E. FR.
COUDE 180° B. FR.
CODO 180° E. SM.**

W3C



K3C



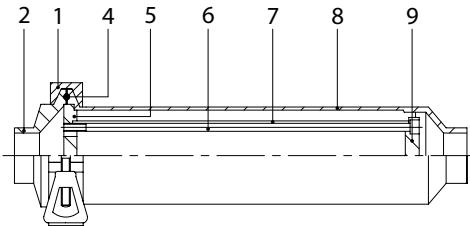
DN	A	B	C	D	gr
1" 25	75,0	81,0	22,1	25,4	170
1 1/2" 38	90,0	104,0	34,8	38,1	320
2" 51	100,0	143,0	47,5	50,8	500
2 1/2" 63	115,0	168,0	60,2	63,5	740
3" 76	130,0	171,0	72,9	76,2	1.180
4" 101	150,0	220,0	97,4	101,6	1.980

DN	A	B	C	K	gr
1" 25	87,7	81,0	22,1	50,5	340
1 1/2" 38	102,7	104,0	34,8	50,5	400
2" 51	112,7	143,0	47,5	64,0	740
2 1/2" 63	127,7	168,0	60,2	77,5	1.000
3" 76	142,7	171,0	72,9	91,0	1.820
4" 101	165,8	220,0	97,4	119,0	3.320



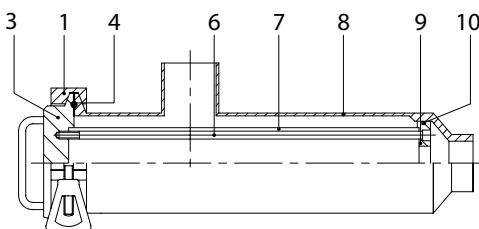
FILTRI

- Parti filtranti facilmente estraibili.
- Produzione standard: cartucce filtranti in lamiera con fori da 1 mm. A richiesta, disponibili con fori da 0,5 mm, 2 mm o 3 mm ed eventuale copertura con rete metallica da 80 a 500 mesh.
- Max. pressione di esercizio: 5 bar.



FILTERS

- Filtering parts easily extractable.
- Standard production: sheet metal filter cartridges with 1 mm holes. On request available with 0.5 mm, 2 mm or 3 mm holes and metal screen cover from 80 to 500 meshes.
- Maximum operating pressure: 5 bars.



1. Morsetto Clamp	6. Tirante
Clamp	Tie rod
Collier Clamp	Tirant
Abrazadera Clamp	Tirante
2. Riduzione Clamp	7. Rete filtro
Clamp reducer	Filter
Réduction Clamp	Tamis
Reducción Clamp	Red filtro
3. Tappo speciale	8. Corpo filtro
Blank	Filter casing
Bouchon à poignée	Corps du filtre
Tapón especial	Cuerpo filtro
4. Guarnizione	9. Disco inferiore
Seal	Lower disk
Joint	Disque inférieur
Junta	Disco inferior
5. Disco superiore	10. Anello di tenuta OR
Upper disk	OR seal ring
Disque supérieur	Joint torique
Disco superior	Junta OR

PORTATA M³/H
FLOWRATE M³/H
DÉBIT M³/H
CAUDAL M³/H

Diametro	Velocità del fluido m/sec			
	0,50	1,00	1,50	2,00
25,4	0,745	1,494	2,239	2,988
38,1	1,785	3,571	5,356	7,142
50,8	3,294	6,588	9,882	13,176
63,5	5,191	10,382	15,573	20,764
76,2	7,509	15,019	22,528	30,038
101,6	14,130	28,260	42,390	56,520



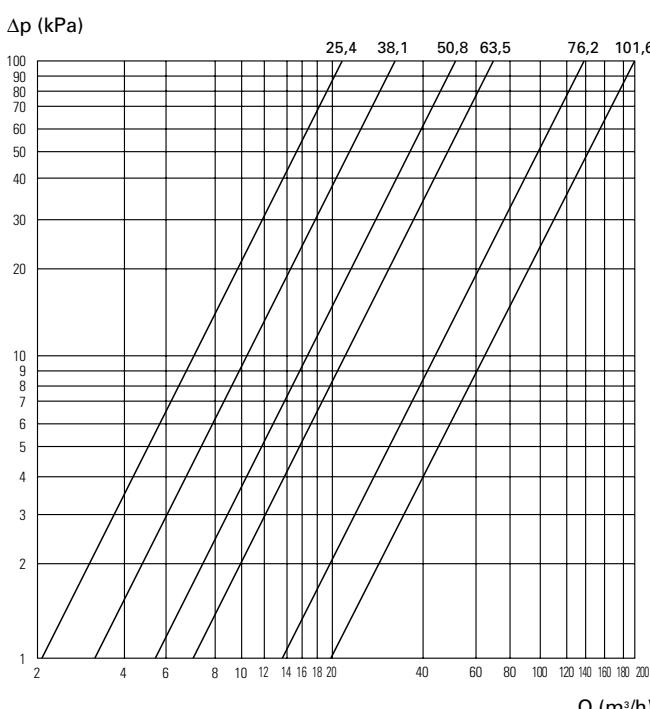
FILTRES

- Parties filtrantes facilement extractibles.
- Production standard: cartouches filtrantes en tôle avec trous de 1 mm. Sur demande, disponibles avec trous de 0,5 mm, 2 mm ou 3 mm et éventuelle couverture avec une grille métallique de 80 à 500 mesh.
- Pression d'exploitation maximum: 5 bars.

FILTROS

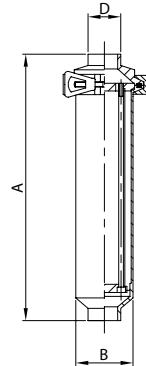
- Las piezas filtrantes se pueden extraer fácilmente.
- Producción estándar: cartuchos filtrantes de chapa con orificios de 1 mm. A pedido, se pueden suministrar con orificios de 0,5 mm, 2 mm o 3 mm y, eventualmente, con cobertura de red metálica de 80 a 500 mesh.
- Maxima presión de ejercicio: 5 bares.

PERDITE DI CARICO
PRESSURE DROP
PERTES DE CHARGE
PÉRDIDA DE CARGA



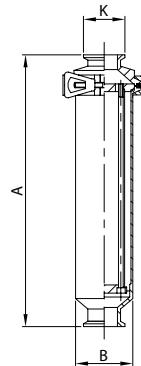
FILTRO LINEA EL.
LINE FILTER PE.
FILTRE DROIT BL.
FILTRO LINEA EL.

W42



FILTRO LINEA E. SM.
LINE FILTER E. FR.
FILTRE DROIT B. FR.
FILTRO LINEA E. SM.

K42

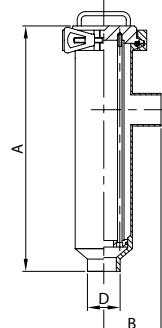


DN	A	B	D	gr
1" 25	326,0	70,0	25,4	3.000
1 1/2" 38	326,0	70,0	38,1	3.000
2" 51	426,0	70,0	50,8	3.300
2 1/2" 63	524,5	85,0	63,5	4.650
3" 76	568,0	101,0	76,2	5.700

DN	A	B	K	gr
1" 25	326,0	70,0	50,5	3.170
1 1/2" 38	326,0	70,0	50,5	3.300
2" 51	426,0	70,0	64,0	3.620
2 1/2" 63	524,5	85,0	77,5	5.190
3" 76	568,0	101,0	91,0	6.400

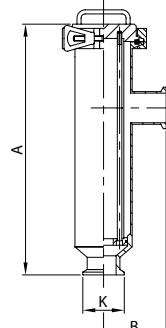
FILTRO 90° EL.
90° FILTER PE.
FILTRE 90° BL.
FILTRO 90° EL.

W43



FILTRO 90° E. SM.
90° FILTER E. FR.
FILTRE 90° B. FR.
FILTRO 90° E. SM.

K43



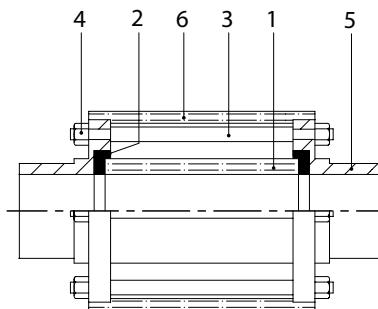
DN	A	B	D	gr
1" 25	304,0	70,0	25,4	3.100
1 1/2" 38	304,0	70,0	38,1	3.100
2" 51	404,0	72,0	50,8	3.400
2 1/2" 63	497,0	85,0	63,5	4.800
3" 76	548,0	96,0	76,2	5.900

DN	A	B	K	gr
1" 25	304,0	82,7	50,5	3.240
1 1/2" 38	304,0	82,7	50,5	3.500
2" 51	404,0	84,7	64,0	3.850
2 1/2" 63	497,0	97,7	77,5	5.590
3" 76	548,0	108,7	91,0	6.900



SPECOLE

- Di solida e robusta costruzione.
- Vetro in pyrex; a richiesta, protezione esterna in plexiglas.
- Corredate di speciali tiranti e guarnizioni per eliminare le pressioni di carico e le vibrazioni sul vetro.
- Max. pressione di esercizio: 10 bar.



SIGHT GLASSES

- High strength construction.
- Pyrex glass. On request plexiglas external guard.
- Equipped with special tie rods and seals to prevent load pressure and vibrations on the glass.
- Maximum operating pressure: 10 bars.

- | | |
|--|---|
| 1. Tubo vetro
Glass pipe
Tube pyrex
Pyrex | 4. Dado autobloccante
Self-locking nut
Ecrou de sûreté
Tuerca de seguridad |
| 2. Guarnizione
Seal
Joint
Junta | 5. Flangia
Flange
Bride
Brida |
| 3. Tirante
Tie rod
Tirant
Tirante | 6. Protezione
Guard
Protection
Protección |

REGARDS

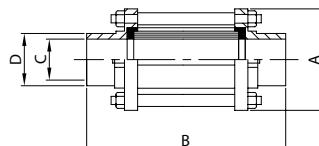
- Fabrication solide et robuste.
- Verre en pyrex. Sur demande, protection externe en plexiglas.
- Munis de tirants spéciaux et de joints pour éliminer les pressions de charge et les vibrations sur le verre.
- Pression d'exploitation maximum: 10 bars.

MIRILLAS

- Fabricación sólida y robusta.
- Vidrio pyrex. A pedido, protección exterior de plexiglás.
- Equipadas con tirantes especiales y con juntas para eliminar las presiones de carga y las vibraciones sobre el vidrio.
- Máxima presión de ejercicio: 10 bares.

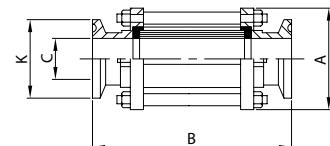
SPECOLA EL.
SIGHT GLASS PE.
REGARD BL.
MIRILLA EL.

W45



SPECOLA E. SM.
SIGHT GLASS E. FR.
REGARD B. FR.
MIRILLA E. SM.

K45



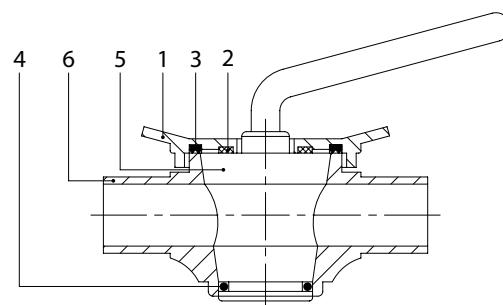
DN	A	B	C	D	gr
1" 25	55,0	147,0	22,1	25,4	400
1 1/2" 38	70,0	153,0	34,8	38,1	620
2" 51	85,0	153,0	47,5	50,8	860
2 1/2" 63	95,0	163,0	60,2	63,5	950
3" 76	105,0	173,0	72,9	76,2	1.100
4" 101	140,0	173,0	97,4	101,6	2.760

DN	A	B	C	K	gr
1" 25	55,0	165,0	22,1	50,5	560
1 1/2" 38	70,0	165,0	34,8	50,5	760
2" 51	85,0	165,0	47,5	64,0	1.050
2 1/2" 63	95,0	165,0	60,2	77,5	1.180
3" 76	105,0	165,0	72,9	91,0	1.400
4" 101	140,0	165,0	97,4	119,0	3.260



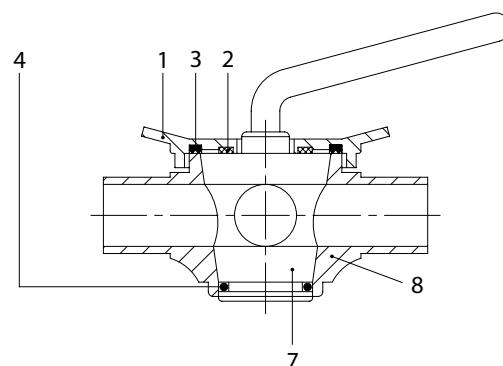
RUBINETTI

- Ricavati da particolari completi di attacchi stampati a caldo o laminati e solubilizzati.
- Realizzati seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.
- Ricopertura dei maschi in bagno galvanico con riporto di cromo durissimo e di elevato spessore.
- Elevato grado di conicità negli accoppiamenti per diminuire la pressione specifica di rotazione dei maschi.
- Max. pressione di esercizio: 4 bar.



PLUG COCKS

- Made from sections complete with couplings, press-forged or hot-rolled and solution heat-treated.
- Produced in strict conformity with criteria and tests required by 3-A standards.
- Plugs coated in galvanic bath with very hard and thick chrome deposit.
- High degree of taper in the couplings to reduce specific rotation pressure of plugs.
- Maximum operating pressure: 4 bars.



ROBINETS

- Obtenus à partir de pièces munies de prises moulées à chaud ou laminées et solubilisées.
- Réalisés en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.
- Revêtement des boisseaux dans bain galvanique avec report de chrome extrêmement dure et fort épais.
- Niveau de conicité élevé des assemblages afin de diminuer la pression de rotation spécifique des boisseaux.
- Pression d'exploitation maximum: 4 bars.

1. Coperchio Cover Couvercle Tapa	5. Maschio 2 vie Two-way plug Boisseau 2 voies Macho 2 vías
2. Anello PTFE PTFE ring Bague PTFE Junta PTFE	6. Corpo rubinetto 2 vie Two-way plug casing Corps robinet 2 voies Cuerpo grifo 2 vías
3. Guarnizione a W W seal Joint W Junta W	7. Maschio 3 vie Three-way plug Boisseau 3 voies Macho 3 vías
4. Anello di tenuta OR OR seal ring Joint torique Junta OR	8. Corpo rubinetto 3 vie Three-way plug casing Corps robinet 3 voies Cuerpo grifo 3 vías

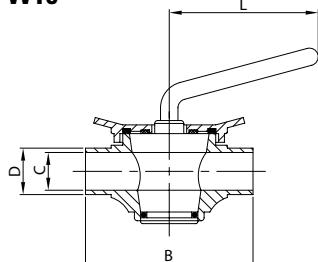
GRIFOS

- Obtenidos de piezas provistas de conexiones estampadas en caliente o laminadas y solubilizadas.
- Realizados respetando rigurosamente los criterios y los tests establecidos por las normas 3-A.
- Recubrimiento de los machos en baño galvánico con agregado de cromo durísimo y de elevado espesor.
- Elevado grado de conicidad en los acoplamientos para disminuir la presión específica de rotación de los machos.
- Máxima presión de ejercicio: 4 bares.



RUBINETTO 2 VIE EL.
2-WAY PLUG COCK PE.
ROBINET 2 VOIES BL.
GRIFO 2 VIAS EL.

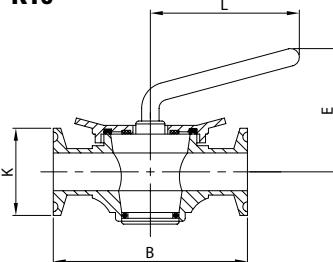
W10



DN	B	C	D	L	gr
1"	25	125,0	22,1	25,4	100,0
1 1/2"	38	160,0	34,8	38,1	115,0
2"	51	170,0	47,5	50,8	140,0
2 1/2"	63	200,0	60,2	63,5	160,0
3"	76	230,0	72,9	76,2	160,0

RUBINETTO 2 VIE E. SM.
2-WAY PLUG COCK E. FR.
ROBINET 2 VOIES B. FR.
GRIFO 2 VIAS E. SM.

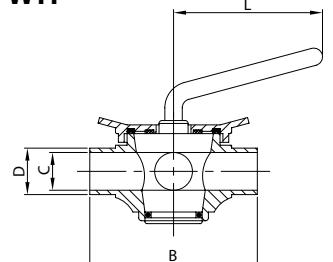
K10



DN	B	E	K	L	gr
1"	25	125,0	90,0	50,5	100,0
1 1/2"	38	160,0	117,0	50,5	115,0
2"	51	170,0	122,0	64,0	140,0
2 1/2"	63	200,0	142,0	77,5	160,0
3"	76	230,0	154,0	91,0	160,0

RUBINETTO 3 VIE EL.
3-WAY PLUG COCK PE.
ROBINET 3 VOIES BL.
GRIFO 3 VIAS EL.

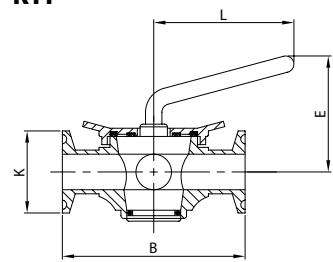
W11



DN	B	C	D	L	gr
1"	25	125,0	22,1	25,4	100,0
1 1/2"	38	160,0	34,8	38,1	115,0
2"	51	170,0	47,5	50,8	140,0
2 1/2"	63	200,0	60,2	63,5	160,0
3"	76	230,0	72,9	76,2	160,0

RUBINETTO 3 VIE E. SM.
3-WAY PLUG COCK E. FR.
ROBINET 3 VOIES B. FR.
GRIFO 3 VIAS E. SM.

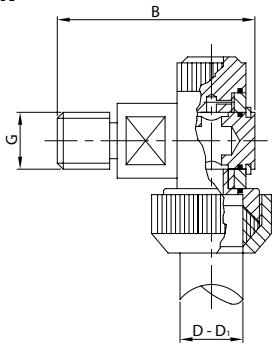
K11



DN	B	E	K	L	gr
1"	25	125,0	90,0	50,5	100,0
1 1/2"	38	160,0	117,0	50,5	115,0
2"	51	170,0	122,0	64,0	140,0
2 1/2"	63	200,0	142,0	77,5	160,0
3"	76	230,0	154,0	91,0	160,0

PORTALIVELLO SUP. NPT
UPPER LEVEL GAUGE NPT
M. SUP. DE NIVEAU NPT
GRIFO NIVEL SUP. NPT

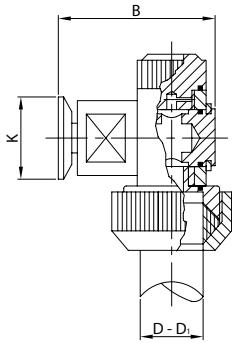
T47



DN	B	D	D ₁	G	gr
1 1/2"	38	66,5	22,0	16,0	3/8"

PORTALIVELLO SUP. E. SM.
UPPER LEVEL GAUGE E. FR.
M. SUP. DE NIVEAU B. FR.
GRIFO NIVEL SUP. E. SM.

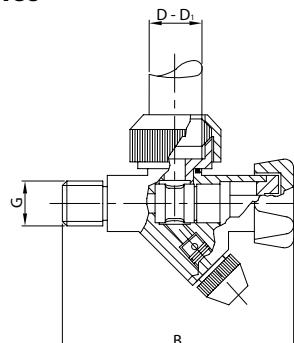
K47



DN	B	D	D ₁	K	gr
1"	25	56,5	22,0	16,0	50,5

RUB. PORTALIVELLO NPT
LOWER LEVEL GAUGE NPT
ROB. DE NIVEAU NPT
GRIFO NIVEL NPT

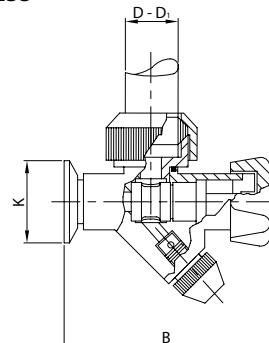
T38



DN	B	D	D ₁	G	gr
1 1/2"	38	110,0	22,0	16,0	3/8"

RUB. PORTALIVELLO E. SM.
LOWER LEVEL GAUGE E. FR.
ROB. DE NIVEAU B. FR.
GRIFO NIVEL E. SM.

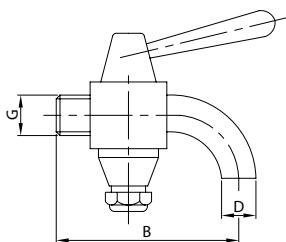
K38



DN	B	D	D ₁	K	gr
1 1/2"	25	99,0	22,0	16,0	50,5

RUB. PRELIEVO NPT
SAMPLING PLUG NPT
R. PRISE ECHANTILLON NPT
GRIFO TOMAM. NPT

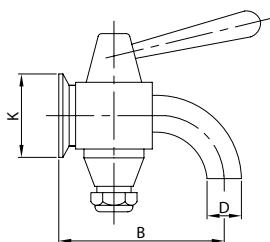
T33



DN	B	D	G	gr
1 1/2"	38	60,0	11,0	3/8"

RUB. PRELIEVO E. SM.
SAMPLING PLUG E. FR.
R. PRISE ECHANTIL. B. FR.
GRIFO TOMAM. E. SM.

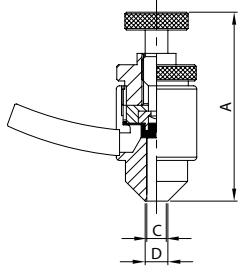
K33



DN	B	D	K	gr
1"	25	58,0	11,0	50,5

RUB. PREL. SANIT. EL.
SANITARY SAMPL. PLUG PE.
R. PRISE E. SANIT. BL.
GRIFO T. SANIT. E. SM.

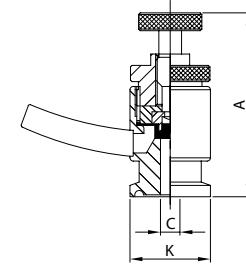
W36



DN	A	C	D	gr
1 1/2"	12	57,6	6,0	8,0

RUB. PREL. SANIT. E. SM.
SANIT. SAMPL. PLUG E. FR.
R. PRISE E. SANIT. B. FR.
GRIFO T. SANIT. E. SM.

K36



DN	A	C	K	gr
1 1/2"	12	57,6	9,4	25,0

VALVOLE DI REGOLAZIONE FLUSSO

- Di solida e robusta costruzione, ricavate da massello di acciaio inossidabile.
- Regolazione della portata del flusso mediante avvitamento della ghiera di regolazione.
- Albero interno in acciaio inossidabile cromato; guarnizione in EPDM.
- Max. pressione di esercizio: 15 bar.

FLOW CONTROL VALVES

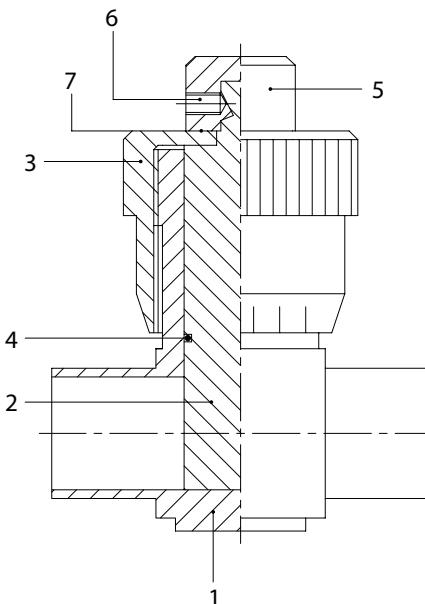
- High strength construction from solid stainless steel block.
- Flow control by screwing the external adjusting device.
- Internal stem of chrome-plated stainless steel. EPDM gasket.
- Maximum operating pressure: 15 bars.

VANNES DE RÉGLAGE FLUX

- Fabrication solide et robuste. Réalisées à partir de blocs d'acier inoxydable.
- Réglage du débit du flux par vissage de la bague de réglage.
- Arbre interne en acier inoxydable chromé; joint en EPDM.
- Pression d'exploitation maximum: 15 bars.

VÁLVULAS DE REGULACIÓN

- Fabricación sólida y robusta, puesto que se obtienen a partir de un lingote de acero inoxidable.
- Regulación del flujo mediante enroscado de la tuerca de regulación.
- Eje interior de acero inoxidable cromado; junta de EPDM.
- Máxima presión de ejercicio: 15 bares.

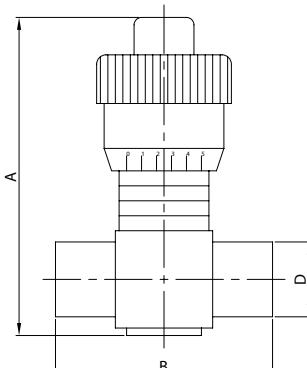


- | | |
|--|--|
| 1. Corpo valvola
Valve casing
Corps vanne
Cuerpo | 5. Elemento di bloccaggio
Locking device
Élement de blocage
Elemento de bloqueo |
| 2. Tampone
Head seal
Tampon
Macho | 6. Grano
Dowel
Cheville
Pasador |
| 3. Ghiera di regolazione
Adjusting device
Bague de réglage
Tuerca de regulación | 7. Rondella
Washer
Rondelle
Arandela |
| 4. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR | |

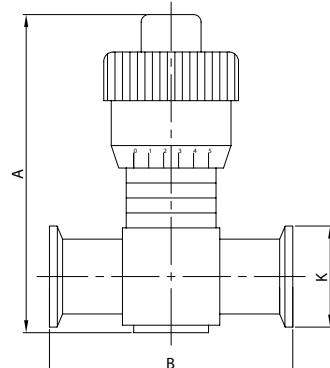
**V. REGOLAZ. FLUSSO EL.
FLOW CONTROL V. PE.
V. RÉGLAGE FLUX BL.
V. REGULACIÓN EL.**

**V. REG. FLUSSO E. SM.
FLOW CONTROL V. E. FR.
V. RÉGLAGE FLUX B. FR.
V. REGULACIÓN E. SM.**

W62



K62



DN	A	B	D	gr
1" 25	127,0	83,0	25,4	1.220
1 1/2" 38	140,0	100,0	38,1	2.200
2" 51	165,0	124,0	50,8	2.820
2 1/2" 63	200,0	133,0	63,5	3.760
3" 76	253,0	145,0	76,2	7.420

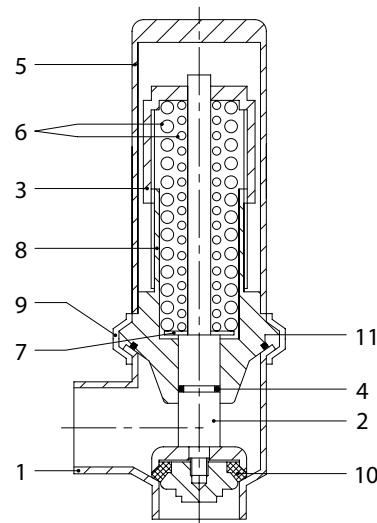
DN	A	B	K	gr
1" 25	127,0	100,0	50,5	1.440
1 1/2" 38	140,0	117,0	50,5	2.560
2" 51	165,0	127,0	64,0	3.150
2 1/2" 63	200,0	140,0	77,5	4.200
3" 76	253,0	152,0	91,0	8.300

VALVOLE DI SICUREZZA

- Elemento di regolazione della pressione situato all'interno del corpo valvola a garanzia contro manovre accidentali.
 - Regolabili da 0 a 5 bar; a richiesta, regolabili fino a 10 bar.

RELIEF VALVES

- Pressure control element located inside valve body to prevent accidental operation.
 - Adjustable from 0 to 5 bars. On request, adjustable up to 10 bars.



SOUPAPES DE SÛRETÉ

- Bague de réglage de la pression située dans le corps de la vanne afin d'éviter tout risque de manoeuvre accidentelle.
 - Réglables de 0 à 5 bars; sur demande, réglables jusqu'à 10 bars.

VÁLVULAS DE SEGURIDAD

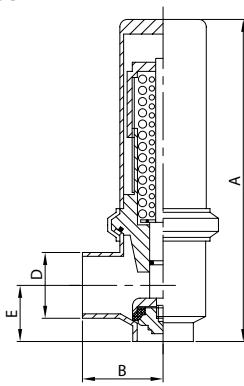
- Tuerca de regulación de la presión situada en el interior del cuerpo de la válvula para impedir que se produzcan maniobras accidentales.
 - Se pueden regular de 0 a 5 bares; a pedido, se pueden regular hasta 10 bares.

**VALVOLA SICUREZZA EL.
RELIEF VALVE PE.
SOUPAPE SÛRETÉ BL.
VÁLVULA SEGURIDAD EL.**

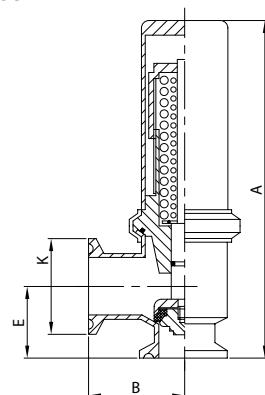
**V. SICUREZZA E. SM.
RELIEF VALVE E. FR.
S. SÛRETÉ B. FR.
V. SEGURIDAD E. SM.**

- | | | | |
|----|--|-----|--|
| 1. | Corpo valvola
Valve casing
Corps vanne
Cuerpo | 7. | Rondella
Washer
Rondelle
Arandela |
| 2. | Tampone
Head seal
Tampon
Macho | 8. | Elemento base
Main assembly
Élément base
Cuerpo interno |
| 3. | Elemento di regolazione
Adjusting cap
Bague de réglage
Tuerca de regulación | 9. | Collare
Collar
Collier
Abrazadera |
| 4. | Anello di tenuta OR
OR seal ring
Joint torique
Junta OR | 10. | Guarnizione PTFE
PTFE seal
Joint PTFE
Junta PTFE |
| 5. | Coperchio
Cover
Couvercle
Tapa | 11. | Anello di tenuta OR
OR seal ring
Joint torique
Junta OR |
| 6. | Molla
Spring
Ressort
Muelles | | |

W60 RT



K60 RT

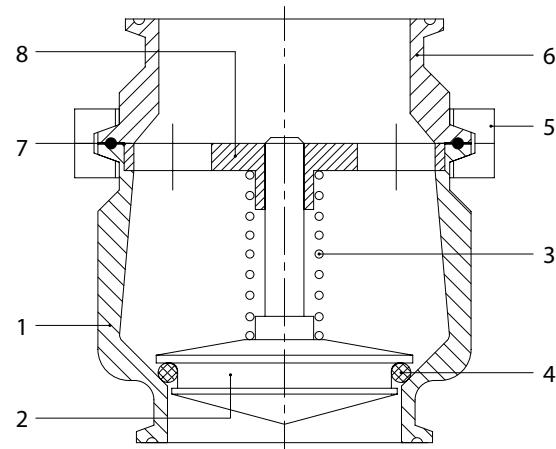


DN	A	B	D	E	gr
1" 25	206,0	60,0	25,4	43,0	2.185
1 1/2" 38	217,0	60,0	38,1	48,5	2.270
2" 51	232,0	70,0	50,8	54,0	2.910
2 1/2" 63	279,0	80,0	63,5	72,0	4.550
3" 76	300,0	90,0	76,2	90,0	6.100

DN	A	B	E	K	gr
1"	25	218,7	72,7	55,7	50,5 2.300
1 1/2"	38	229,7	72,7	61,2	50,5 2.350
2"	51	244,7	82,7	66,7	64,0 3.030
2 1/2"	63	291,7	92,7	84,7	77,5 4.710
3"	76	312,7	102,7	102,7	91,0 6.280

VALVOLE DI RITEGNO

- Di solida e robusta costruzione, ricavate da massello di acciaio inossidabile.
- Ampia apertura del diaframma per permettere il passaggio di sostanze solide.
- Guarnizioni di tenuta in PTFE o, a richiesta, altri elastomeri.
- Corredate con molle di bassa pressione che consentono il funzionamento della valvola sia in posizione verticale che orizzontale.
- Max. pressione di esercizio: 15 bar.



CHECK VALVES

- High strength construction from solid stainless steel block.
- Wide diaphragm opening to permit passage of solid particles.
- PTFE sealing gasket or other elastomers on request.
- Equipped with low-pressure springs allowing either vertical or horizontal valve operation.
- Maximum operating pressure: 15 bars.

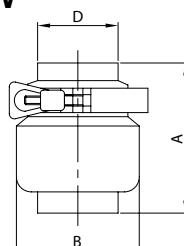
- | | |
|---------------------------------|------------------------------------|
| 1. Body (Corpo valvola) | 5. Clamp (Morsetto Clamp) |
| 2. Plug (Tappone) | 6. Reducer clamp (Riduzione Clamp) |
| 3. Spring (Molla) | 7. Seal (Guarnizione) |
| 4. PTFE seal (Guarnizione PTFE) | 8. Diaphragm (Diaframma) |

CLAPETS DE RETENUE

- Fabrication solide et robuste. Réalisées à partir de blocs d'acier inoxydable.
- Large ouverture du diaphragme de façon à permettre le passage des substances solides.
- Joints d'étanchéité en PTFE ou, sur demande, avec d'autres élastomères.
- Munies de ressorts à basse pression leur permettant de fonctionner aussi bien en position verticale qu'horizontale.
- Pression d'exploitation maximum: 15 bars.

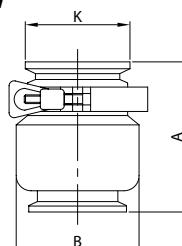
**V. RITEGNO EL.
CHECK VALVE PE.
CLAPET RETENUE BL.
VÁLVULA RETENCIÓN EL.**

W64 V



**V. RITEGNO E. SM.
CHECK VALVE E. FR.
CLAPET RETENUE B. FR.
VÁLV. RETENCIÓN E. SM.**

K64 V

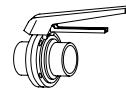


VÁLVULAS DE RETENCIÓN

- Fabricación sólida y robusta, puesto que se obtienen a partir de un lingote de acero inoxidable.
- Amplia abertura del diafragma para permitir el paso de sustancias sólidas.
- Junta estanca de PTFE o, a pedido, otros elastómeros.
- Equipadas con muelles de baja presión que permiten el funcionamiento de la válvula tanto en posición vertical como horizontal.
- Máxima presión de ejercicio: 15 bares.

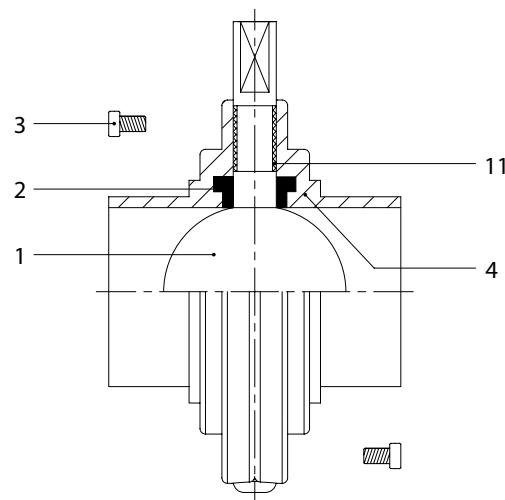
DN	A	B	D	gr
1/2" 12	74,0	25,0	12,7	240
3/4" 19	75,0	40,0	19,0	520
1" 25	94,0	50,5	25,4	880
1" 1/2" 38	95,0	64,0	38,1	1.070
2" 51	102,0	77,5	50,8	1.750
2" 1/2" 63	111,0	91,0	63,5	2.140
3" 76	125,0	119,0	76,2	3.950
4" 101	136,0	131,0	101,6	4.900

DN	A	B	K	gr
1/2" 12	74,0	25,0	25,0	260
3/4" 19	75,0	40,0	25,0	540
1" 25	94,0	50,5	50,5	900
1" 1/2" 38	95,0	64,0	64,0	1.100
2" 51	102,0	77,5	77,5	1.800
2" 1/2" 63	111,0	91,0	91,0	2.200
3" 76	125,0	119,0	119,0	4.020
4" 101	136,0	131,0	131,0	5.000



VALVOLE A FARFALLA

- Ricavate da particolari stampati a caldo e termotratteggiati.
- Otturatori ricavati da particolari stampati a caldo e solubilizzati, lavorati meccanicamente su tutte le superfici e rettificati sulle parti rotanti.
- Applicazione standard di due bussole in PTFE sugli alberi degli otturatori per eliminare l'attrito nelle rotazioni.
- Guarnizioni prodotte con stampaggio a compressione e con elastomeri di ottima qualità. Standard silicone; a richiesta, EPDM, FTM, FTM rivestito PTFE, PTFE + silicone.
- Possibilità di intercambiabilità tra le varie unificazioni.
- Ampia gamma di comandi manuali per soddisfare le differenti necessità impiantistiche.
- Semplicità, sicurezza e affidabilità delle manovre.
- Comandi pneumatici orizzontali e verticali a semplice effetto, doppio effetto e di regolazione flusso, corredabili di contatto di prossimità, microinterruttore, elettrovalvola, connettore.
- Max. pressione di esercizio: 7 bar; per guarnizioni in PTFE: 2 bar.
- Produzione standard: 1"-10".

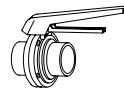


- | | |
|---|--|
| 1. Otturatore
Butterfly
Papillon
Obturador | 4. Flangia
Flange
Bride
Brida |
| 2. Guarnizione
Gasket
Joint
Junta | 11. Bussola PTFE
PTFE bush
Douille PTFE
Camisa PTFE |
| 3. Vite
Screw
Vis
Tornillo | |

BUTTERFLY VALVES

- Made from press-forged and solution heat-treated blanks.
- Shutters made from press-forged and solution heat-treated pieces machined over the entire surface and ground on the revolving parts.
- Standard fitting of two PTFE bushes on the shutter stems to eliminate rotation friction.
- Seal rings compression-pressed from first grade elastomers. Standard silicone. On request EPDM, FTM, PTFE-coated FTM, PTFE + silicone.
- Interchangeability between the different standards available.
- Wide range of manual controls to meet different system requirements.
- Simple, safe and reliable operating.
- Horizontal and vertical single-effect, double-effect, and modulating pneumatic controls.
- Can be equipped with proximity contact, microswitch, solenoid valve, connector. Maximum operating pressure: 7 bars; 2 bars for PTFE gaskets.
- Standard production: 1"-10".





VANNES PAPILLON

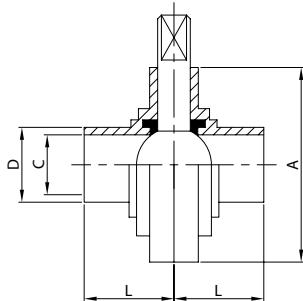
- Obténidas a partir de piezas moulées à chaud et thermotraitées.
- Obturateurs réalisés à l'aide d'éléments moulés à chaud et solubilisés, usinés mécaniquement sur toutes les surfaces et rectifiés sur les parties pivotantes.
- Application standard de 2 douilles en PTFE sur les arbres des obturateurs pour éliminer le frottement dans les rotations.
- Joints moulés sous pression et réalisés avec des élastomères de haute qualité. Standard silicone; sur demande, EPDM, FTM, FTM revêtu PTFE, PTFE + silicone.
- Interchangeabilité possible entre les différentes standards.
- Vaste gamme de commandes manuelles pour répondre aux différentes exigences des installations.
- Simplicité, sécurité et fiabilité des manoeuvres.
- Commandes pneumatiques horizontales et verticales à simple effet, double effet et pour le réglage du flux; peuvent être munies de contact de proximité, minirupteur, électrovanne, connecteur.
- Pression d'exploitation maximum: 7 bars; pour joints en PTFE: 2 bars.
- Production standard: 1"-10".

VÁLVULAS DE MARIPOSA

- Obtenidas a partir de piezas estampadas en caliente y solubilizadas.
- Obturadores obtenidos de piezas estampadas en caliente y solubilizadas, trabajadas mecánicamente en todas las superficies y rectificadas en las partes giratorias.
- Aplicación estándar de 2 camisas en PTFE en los ejes de los obturadores para eliminar el rozamiento en las rotaciones.
- Juntas producidas mediante estampado bajo compresión y con elastómeros de óptima calidad. Estándar silicona; a pedido, EPDM, FTM, FTM revestido PTFE, PTFE + silicona.
- Posibilidad de intercambio entre las distintas unificaciones.
- Amplia gama de mandos manuales para satisfacer las distintas exigencias de las instalaciones.
- Simplicidad, seguridad y fiabilidad de las maniobras.
- Mandos neumáticos horizontales y verticales de simple efecto, doble efecto y de regulación del flujo que se pueden equipar con microsensor, microinterruptor, electroválvula, conector.
- Máxima presión de ejercicio: 7 bares; para juntas en PTFE: 2 bares.
- Producción estándar: 1"-10".

V. FARFALLA EL.
BUTTERFLY V. PE.
V. PAPILLON BL.
V. MARIPOSA EL.

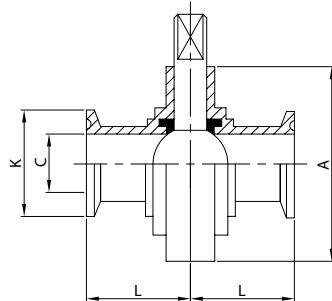
W100 BV



	DN	A	C	D	L	gr
1"	25	79,0	22,1	25,4	34,0	725
1 1/2"	38	85,0	34,8	38,1	38,0	805
2"	51	105,0	47,5	50,8	40,0	1.270
2 1/2"	63	112,0	60,2	63,5	40,0	1.460
3"	76	125,0	72,9	76,2	41,0	1.755
4"	101	157,0	97,4	101,6	44,0	2.480
5"	127	180,0	122,0	127,0	40,0	4.100
6"	152	212,0	147,4	152,4	40,0	6.000
8"	203	256,5	198,2	203,2	45,0	7.800
10"	254	306,5	249,0	254,0	45,0	17.000

V. FARFALLA E. SM.
BUTTERFLY V. E. FR.
V. PAPILLON B. FR.
V. MARIPOSA E. SM.

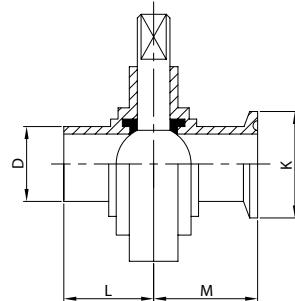
K100 BV



	DN	A	C	K	L	gr
1"	25	79,0	22,1	50,5	35,0	950
1 1/2"	38	85,0	34,8	50,5	36,0	995
2"	51	105,0	47,5	64,0	40,0	1.200
2 1/2"	63	112,0	60,2	77,5	40,0	1.600
3"	76	125,0	72,9	91,0	40,0	1.950
4"	101	157,0	97,4	119,0	45,0	3.450
5"	127	180,0	122,0	144,5	41,0	4.300
6"	152	212,0	147,4	166,0	41,0	6.200
8"	203	256,5	198,2	217,0	45,0	8.100
10"	254	306,5	249,0	268,0	45,0	17.400

V. FARFALLA EL./E. SM.
BUTTERFLY V. PE./E. FR.
V. PAPILLON BL./B. FR.
V. MARIPOSA EL./E. SM.

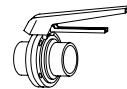
WK100 BV



	DN	D	K	L	M	gr
1"	25	25,4	50,5	34,0	35,0	835
1 1/2"	38	38,1	50,5	38,0	36,0	900
2"	51	50,8	64,0	40,0	40,0	1.235
2 1/2"	63	63,5	77,5	40,0	40,0	1.530
3"	76	76,2	91,0	41,0	40,0	1.850
4"	101	101,6	119,0	44,0	45,0	3.145
5"	127	127,0	144,5	40,0	41,0	4.200
6"	152	152,4	166,0	40,0	41,0	6.100
8"	203	203,2	217,0	45,0	45,0	7.950
10"	254	254,0	268,0	45,0	45,0	17.200



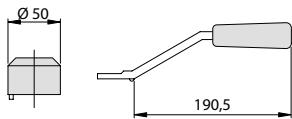
VALVOLE A FARFALLA
BUTTERFLY VALVES
VANNES PAPILLON
VÁLVULAS DE MARIPOSA



CLAMP

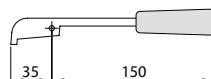
**MANIGLIA ESTRAIBILE
REMOVABLE HANDLE
POIGNÉE AMOVIBLE
MANETA EXTRACTA**

7M0



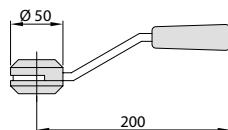
**MANIGLIA CON BLOCCAGGIO
HANDLE WITH BLOCKING
POIGNÉE AVEC BLOCAGE
MANETA CON BLOQUEO**

7M2



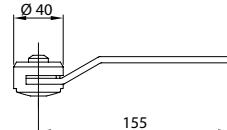
**MANIGLIA DI REG. 2 POS.
OPENING HANDLE 2 POS.
POIGNÉE DE REGL. 2 POS.
MANETA DE REGUL. 2 POS.**

7M3



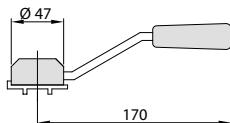
**MANIGLIA DI REG. 4 POS.
OPENING HANDLE 4 POS.
POIGNÉE DE REGL. 4 POS.
MANETA DE REGUL. 4 POS.**

7M12



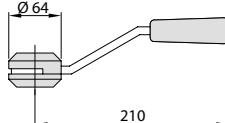
**MANIGLIA DI REG. 7 POS.
OPENING HANDLE 7 POS.
POIGNÉE DE REGL. 7 POS.
MANETA DE REGUL. 7 POS.**

7M9



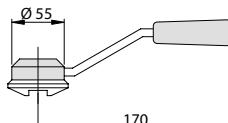
**MANIGLIA DI REG. 10 POS.
OPENING HANDLE 10 POS.
POIGNÉE DE REGL. 10 POS.
MANETA DE REGUL. 10 POS.**

7M4



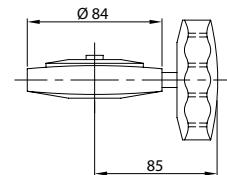
**MANIGLIA DI REG. 20 POS.
OPENING HANDLE 20 POS.
POIGNÉE DE REGL. 20 POS.
MANETA DE REGUL. 20 POS.**

7M5



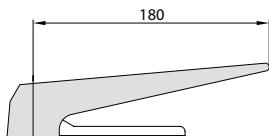
**TESTA DI REG. MICROMET.
MICROMETRIC HANDLE
TÊTE RÉGL. MICROMÉTR.
CABEZAL DE REG. MICROM.**

7M6



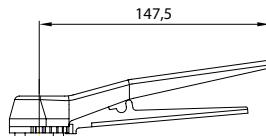
**MANIGLIA ABS CON LEVA
ABS HANDLE WITH LEVER
POIGNÉE ABS AVEC LEVIER
MANETA A GATILLO ABS**

7M8



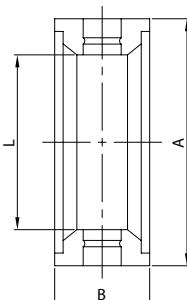
**MAN. CON LEVA 7 POS.
H. WITH LEVER 7 POS.
P. AVEC LEVIER 7 POS.
MAN. A GATILLO 7 POS.**

7M11



**GUARNIZIONE VALVOLA FARFALLA
BUTTERFLY VALVE SEAL RING
JOINT VANNE PAPILLON
JUNTA VÁLVULA MARIPOSA**

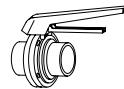
700 02



DIAM.	A	B	L
25/28	43,6	23,2	27,0
34/38	52,3	23,2	35,0
40	55,6	23,2	39,0
51/52	66,0	23,2	49,0
60/63	76,4	23,4	59,5
70/76	88,8	25,4	69,5
85	99,0	25,4	79,5
101/104	119,0	25,4	100,0



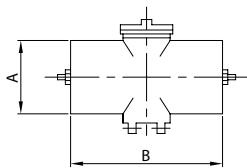
VALVOLE A FARFALLA
BUTTERFLY VALVES
VANNES PAPILLON
VÁLVULAS DE MARIPOSA



CLAMP

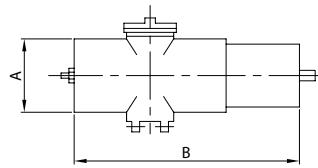
CILINDRO PNEUM. DE.
PNEUM. ACTUATOR DE.
VÉRIN PNEUM. DE.
CILINDRO NEUM. DE.

7C1 L



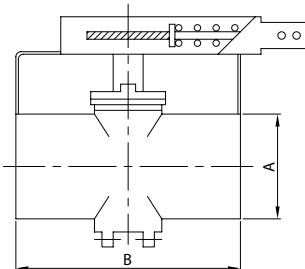
CILINDRO PNEUM. SE.
PNEUM. ACTUATOR SE.
VÉRIN PNEUM. SE.
CILINDRO NEUM. SE.

7C2 L



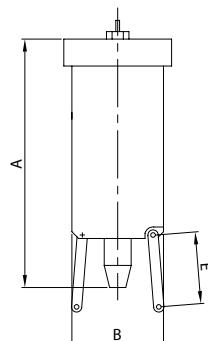
C. PNEUM. REGOL. FLUSSO
REGUL. FLUX PNEUM. ACT.
VÉ. PNEUM. RÉGULATION
CIL. NEUM. REGULACIÓN

7C1 L M



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

7C4 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

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

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

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

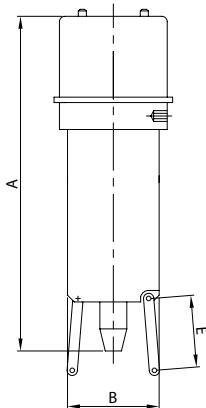
C. PN. UNITÀ CONTR.
CONTR. UNIT PN. ACT.
VÉ. PN. UNITÉ CONTR.
CIL. N. UNIDAD CONTR.

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

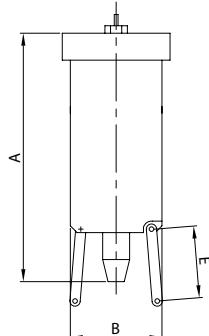
ELETTOVALVOLA NC.
SOLENOID VALVE NC.
ÉLECTROVANNE NF.
ELECTROVÁLVULA NC.

ELETTOVALVOLA NA.
SOLENOID VALVE NO.
ÉLECTROVANNE NO.
ELECTROVÁLVULA NA.

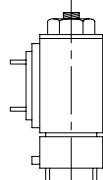
7C4 UC



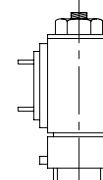
7C5 L



015 NC



015 NA



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

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

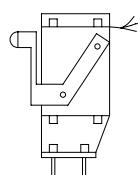
MICROINTERRUTTORE
MICROSWITCH
MINIRUPTEUR
MICROINTERRUPTOR

CONTATTO DI PROSSIMITÀ
PROXIMITY CONTACT
CONTACT DE PROXIMITÉ
MICROSENSOR

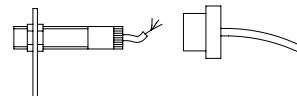
CONNETTORE
CONNECTOR
CONNECTEUR
CONECTOR

CAPPELLOTTO
CAP
CAPOT
CAPUCHÓN

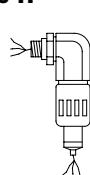
014 1



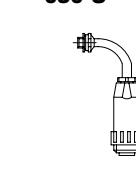
013 O



013 S

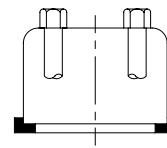


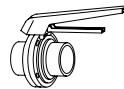
030 H



030 S

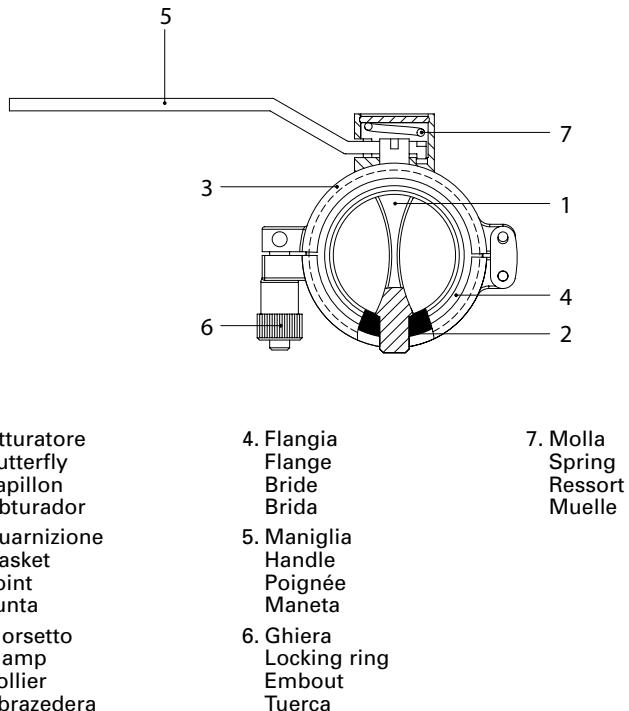
700 4 13





VALVOLE A FARFALLA A CERNIERA

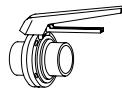
- Ricavate da particolari stampati a caldo e solubilizzati.
- Otturatori ricavati da particolari in acciaio inossidabile AISI 316L stampati a caldo e solubilizzati, lavorati meccanicamente su tutte le superfici e rettificati sulle parti rotanti.
- Facilità di accesso durante le operazioni di pulizia.
- Applicazione standard di 2 bussole in PTFE sugli alberi degli otturatori per eliminare l'attrito nelle rotazioni.
- Guarnizioni prodotte con stampaggio a compressione e con elastomeri di ottima qualità. Standard silicone; a richiesta, EPDM, viton, viton rivestito PTFE, PTFE + silicone.
- Possibilità di intercambiabilità tra le varie unificazioni.
- Semplicità, sicurezza e affidabilità delle manovre.
- Max. pressione di esercizio: 2 bar.
- Produzione standard: 2".



HINGED BUTTERFLY VALVES

- Made from press-forged and solution heat-treated blanks.
- Shutters made from press-forged and solution heat-treated AISI 316L stainless steel pieces machined over the entire surface and ground on the revolving parts.
- Easy access for cleaning.
- Standard fitting of two PTFE bushes on the shutter stems to eliminate rotation friction.
- Seal rings compression-pressed from first grade elastomers. Standard silicone. On request EPDM, viton, PTFE-coated viton, PTFE + silicone.
- Interchangeability between the different standards available.
- Simple, safe and reliable operating.
- Maximum operating pressure: 2 bars.
- Standard production: 2".





VANNES PAPILLON À CHARNIÈRE

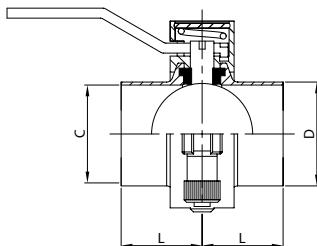
- Obtenuées à partir de pièces moulées à chaud et solubilisées.
- Obturateurs réalisés à l'aide d'éléments en acier inoxydable AISI 316L moulés à chaud et solubilisés, usinés mécaniquement sur toutes les surfaces et rectifiés sur les parties pivotantes.
- Simplicité d'accès durant les opérations d'entretien.
- Application standard de 2 douilles en PTFE sur les arbres des obturateurs pour éliminer le frottement dans les rotations.
- Joints moulés sous pression et réalisés avec des élastomères de haute qualité. Standard silicone; sur demande, EPDM, viton, viton revêtu PTFE, PTFE + silicone.
- Interchangeabilité possible entre les différentes standards.
- Simplicité, sécurité et fiabilité des manoeuvres.
- Pression de service maximale: 2 bars.
- Production standard: 2".

VÁLVULAS DE MARIPOSA DE CREMALLERA

- Obtenidas a partir de piezas de acero inoxidable AISI 316L estampadas en caliente y solubilizadas.
- Obturadores obtenidos de piezas estampadas en caliente y solubilizadas, trabajadas mecánicamente en todas las superficies y rectificadas en las partes giratorias.
- Facilidad de acceso durante las operaciones de limpieza.
- Aplicación estándar de 2 camisas en PTFE en los ejes de los obturadores para eliminar el rozamiento en las rotaciones.
- Juntas producidas mediante estampado bajo compresión y con elastómeros de óptima calidad. Estándar silicona; a pedido, EPDM, viton, viton revestido PTFE, PTFE + silicona.
- Posibilidad de intercambio entre las distintas unificaciones.
- Simplicidad, seguridad y fiabilidad de las maniobras.
- Máxima presión de ejercicio: 2 bares.
- Producción estándar: 2".

V. F. CERNIERA. EL.
HINGED B. V. PE.
V. P. CHARNIÈRE BL.
V. M. CREMALLERA EL.

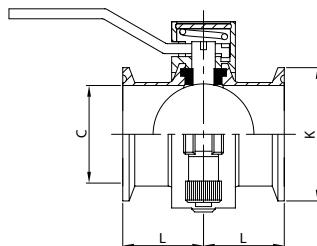
W110 BV



DN	C	D	L	gr
2" 51	47,5	58,0	40,0	850

V. F. CERNIERA E. SM.
HINGED B. V. E. FR.
V. P. CHARNIÈRE B. FR.
V. M. CREMALLERA E. SM.

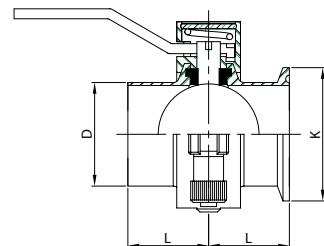
K110 BV



DN	C	K	L	gr
2" 51	47,5	64,0	40,0	880

V. F. CERN. EL./E. SM.
HINGED B. V. PE./E. FR.
V. PAP. CH. BL./B. FR.
V. M. CREM. EL./E. SM.

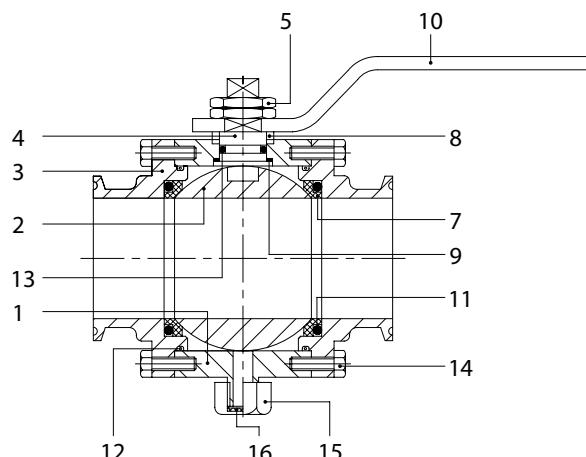
WK110 BV



DN	D	K	L	gr
2" 51	50,8	64,0	40,0	865

VALVOLE A SFERA

- Di solida e robusta costruzione.
- 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.
- Modello 90 realizzato seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.
- Guarnizione sanitaria nel modello 90.
- 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, elettrovalvola, connettore.
- Max. pressione di esercizio: 10 bar.



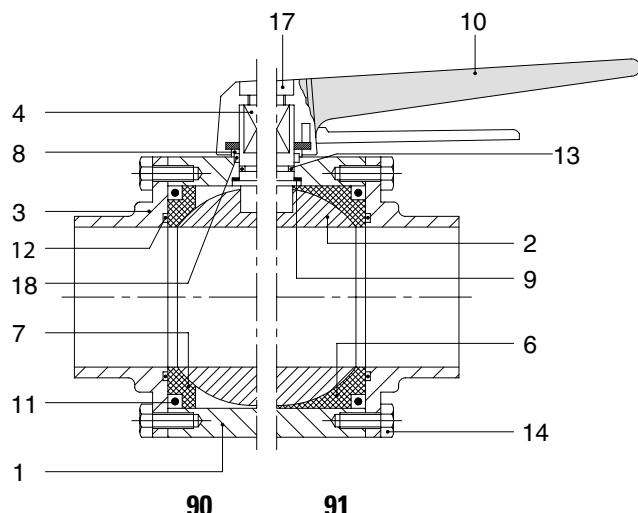
51

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

BALL VALVES

- Heavy duty construction.
- 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.
- Model 90 produced in strict conformity with criteria and tests required by 3-A standards.
- Sanitary gasket in model 90.
- Can be equipped with manual or pneumatic controls.
- Horizontal and vertical single-effect, double-effect, and modulating pneumatic controls. Can be equipped with proximity contact, microswitch, solenoid valve, connector.
- Maximum operating pressure: 10 bars.





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



VANNES À BOULE

- Fabrication solide et robuste.
- 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.
- Modèle 90 réalisé en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.
- Joint sanitaire pour le modèle 90.
- Peuvent être munis 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, électrovanne, connecteur.
- Pression d'exploitation maximum: 10 bars.

VÁLVULAS DE BOLA

- Fabricación sólida y robusta.
- 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.
- Modelo 90 realizado respetando rigurosamente los criterios y los tests establecidos por las normas 3-A.
- Junta sanitaria en el modelo 90.
- 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, microinterruptor, electroválvula, conector.
- Maxima presión de ejercicio: 10 bares.



VALVOLE A SFERA
BALL VALVES
VANNES À BOULE
VÁLVULAS DE BOLA

CLAMP



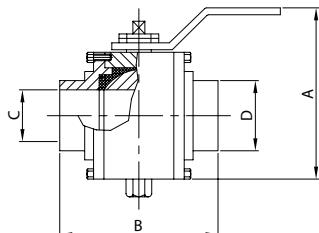
V. SFERA SAN. DREN. EL.
SAN. DRAIN. BALL V. PE.
V. BOULE SAN. DRAIN. BL.
V. BOLA SAN. DREN. EL.

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

V. SFERA DRENAGGIO EL.
DRAINAGE BALL V. PE.
V. BOULE DRAINAGE BL.
V. BOLA DRENAGE EL.

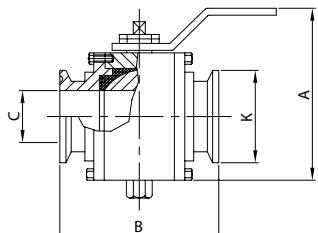
V. SFERA DRENAG. E. SM.
DRAINAGE BALL V. E. FR.
V. BOULE DRAINAGE B. FR.
V. BOLA DRENAJE E. SM.

W50



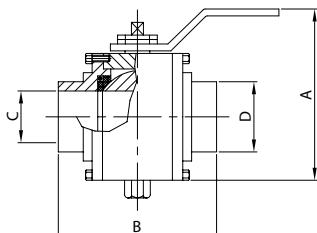
DN	A	B	C	D	gr
1"	25	90,0	95,0	22,1	25,4 1.100
1 1/2"	38	110,0	107,0	34,8	38,1 2.090
2"	51	126,0	118,0	47,5	50,8 3.140
2 1/2"	63	143,0	135,0	60,2	63,5 4.730
3"	76	163,0	158,0	72,0	76,2 6.940
4"	101	202,0	170,0	97,4	101,6 13.570

K50



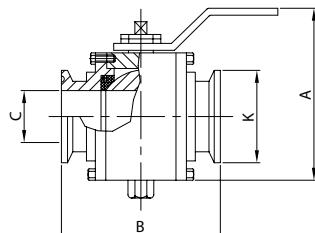
DN	A	B	C	K	gr
1"	25	90,0	95,0	22,1	50,5 1.120
1 1/2"	38	110,0	107,0	34,8	50,5 2.120
2"	51	126,0	118,0	47,5	50,8 3.120
2 1/2"	63	143,0	135,0	60,2	63,5 4.790
3"	76	163,0	158,0	72,0	91,0 7.010
4"	101	202,0	170,0	97,4	119,0 13.670

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	60,2	63,5 4.710
3"	76	163,0	158,0	72,0	76,2 6.910
4"	101	202,0	170,0	97,4	101,6 13.530

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	60,2	77,5 4.770
3"	76	163,0	158,0	72,0	91,0 6.980
4"	101	202,0	170,0	97,4	119,0 13.630

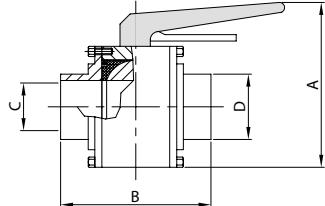
V. SFERA ESTR. SAN. EL.
SAN. EXTR. BALL V. PE.
V. BOULE EXTR. SAN. BL.
V. BOLA EXTR. SAN. EL.

V. SFERA ESTR. S. E. SM.
SAN. EXTR. BALL V. E. FR.
V. BOULE EXTR. S. B. FR.
V. BOLA EXTR. SAN. E. SM.

V. SFERA ESTRAI. EL.
EXTRACT. BALL V. PE.
V. BOULE EXTRACT. BL.
V. BOLA EXTR. EL.

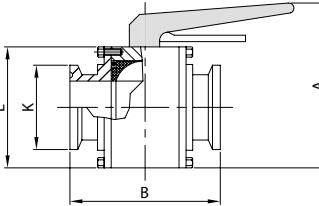
V. SFERA ESTRAI. E. SM.
EXTRACT. BALL. V. E. FR.
V. BOULE EXTRACT. B. FR.
V. BOLA EXTR. E. SM.

W90



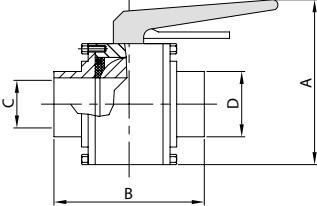
DN	A	B	C	D	gr
1/2"	12	100,0	74,5	9,4	12,7 760
3/4"	19	100,0	74,5	15,7	19,0 760
1"	25	110,0	96,0	22,1	25,4 1.130
1 1/2"	38	130,0	109,0	34,8	38,1 2.070
2"	51	145,0	124,0	47,5	50,8 2.800
2 1/2"	63	168,0	135,0	60,2	63,5 4.840
3"	76	182,0	158,0	72,0	76,2 7.480

K90



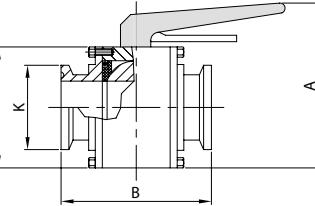
DN	A	B	L	K	gr
1/2"	12	100,0	80,5	55,0	25,0 780
3/4"	19	100,0	80,5	55,0	25,0 780
1"	25	110,0	96,0	60,0	50,5 1.150
1 1/2"	38	130,0	109,0	80,0	50,5 2.100
2"	51	145,0	124,0	95,0	64,0 2.850
2 1/2"	63	168,0	135,0	118,0	77,5 4.900
3"	76	182,0	158,0	132,0	91,0 7.550

W91



DN	A	B	C	D	gr
1/2"	12	100,0	74,5	9,4	12,7 750
3/4"	19	100,0	74,5	15,7	19,0 750
1"	25	110,0	96,0	22,1	25,4 1.120
1 1/2"	38	130,0	109,0	34,8	38,1 2.060
2"	51	145,0	124,0	47,5	50,8 2.780
2 1/2"	63	168,0	135,0	60,2	63,5 4.820
3"	76	182,0	158,0	72,0	76,2 7.450

K91



DN	A	B	L	K	gr
1/2"	12	100,0	80,5	55,0	25,0 770
3/4"	19	100,0	80,5	55,0	25,0 770
1"	25	110,0	96,0	60,0	50,5 1.140
1 1/2"	38	130,0	109,0	80,0	50,5 2.090
2"	51	145,0	124,0	95,0	64,0 2.830
2 1/2"	63	168,0	135,0	118,0	77,5 4.880
3"	76	182,0	158,0	132,0	91,0 7.520

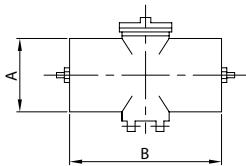


VALVOLE A SFERA
BALL VALVES
VANNES À BOULE
VÁLVULAS DE BOLA

CLAMP

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

7C1 L

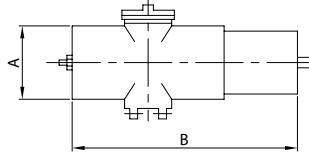


DN	A	B	gr
25/52	60,0	138,5	1.460
63/85	76,0	161,0	2.100
101/104	89,0	180,0	2.960

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

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

7C2 L

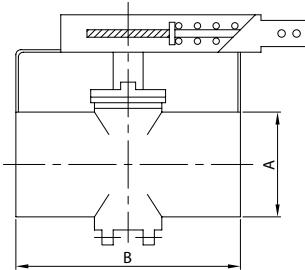


DN	A	B	gr
25/52	76,0	240,0	2.190
63/85	89,0	260,0	3.150

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

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

7C1 L M

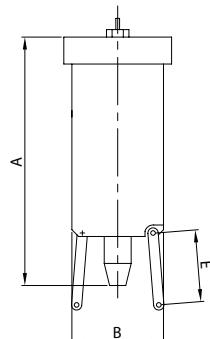


DN	A	B	gr
25/104	89,0	180,0	4.160
63/104	99,0	200,0	5.150

ELETTOVALVOLA NC.
SOLENOID VALVE NC.
ÉLECTROVANNE NF.
ELECTROVÁLVULA NC.

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

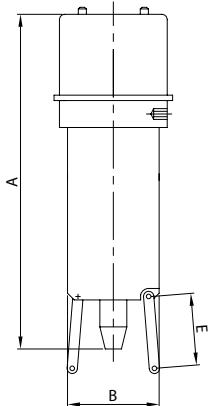
7C4 L



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

ELETTOVALVOLA NA.
SOLENOID VALVE NO.
ÉLECTROVANNE NO.
ELECTROVÁLVULA NA.

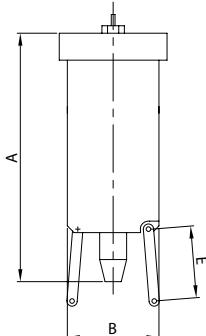
7C4 UC



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

MICROINTERRUTTORE
MICROSWITCH
MINIRUPTEUR
MICROINTERRUPTOR

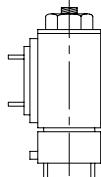
7C5 L



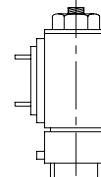
DN	A	B	E	gr
25/52	211,0	76,0	64,0	3.700
63/104	211,0	76,0	58,0	3.700

CONTATTO DI PROSSIMITÀ
PROXIMITY CONTACT
CONTACT DE PROXIMITÉ
MICROSENSOR

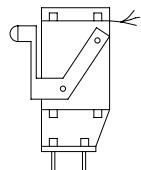
015 NC



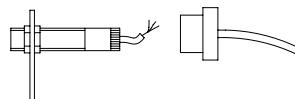
015 NA



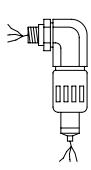
014 1



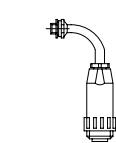
013 O



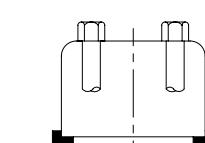
013 S



030 H



030 S



700 4 13



VALVOLE PNEUMATICHE NORME 3-A

- Realizzate seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.
- Completo autodrenaggio della valvola garantito dalla forma sferica interna e dalla lucidatura delle parti interne.
- Elementi di tenuta facilmente raggiungibili durante le fasi di lavaggio CIP.
- Facilità di manutenzione consentita dall'assemblaggio della valvola mediante un morsetto Clamp a 3 ganasce.
- Entrata aria nella testata superiore della valvola e distribuzione nella parte inferiore tramite il pistone interno.
- Assoluta sicurezza durante le operazioni di montaggio e smontaggio garantita da uno speciale dispositivo per il costante contenimento in compressione delle molle.
- Presenza di una speciale bussola a garanzia della perfetta coassialità del cilindro rispetto al corpo valvola, per la facilitazione dello scorrimento delle parti in movimento, la completa tenuta del prodotto e la totale igienicità durante le fasi di lavaggio CIP, consentite anche dalla presenza di un anello di tenuta OR nella parte finale.
- Facilmente sterilizzabili.
- Comandi pneumatici a doppio effetto o semplice effetto, corredabili di contatto di prossimità, microinterruttore, elettrovalvola, connettore.



3-A APPROVED PNEUMATIC VALVES

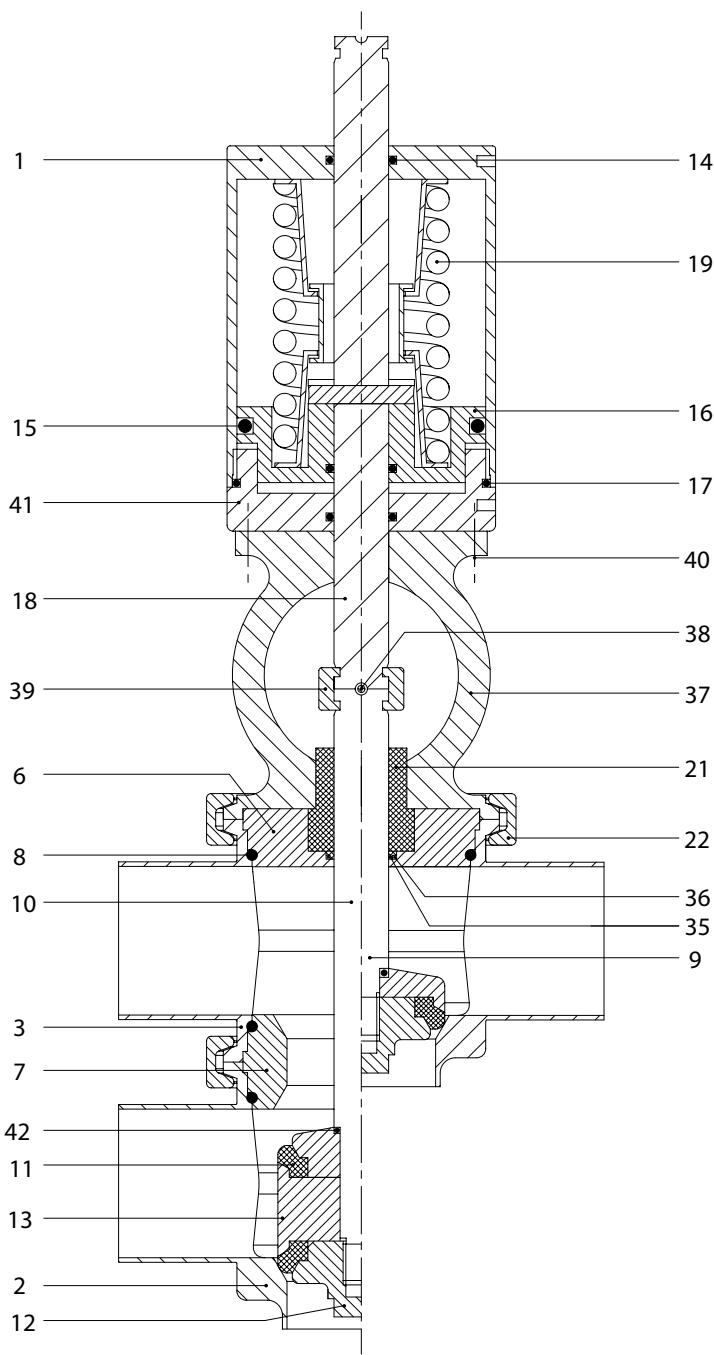
- Produced in strict conformity with criteria and tests required by 3-A standards.
- Full self-drainage of valve due to spherical internal shape and polishing of internal parts.
- Seal members easy to access during CIP process.
- Easy maintenance due to assembly of valve using 3-piece clamp.
- Air entry into the upper head of the valve and distribution in the lower part by an internal piston.
- Absolute safety during assembly and disassembly ensured by a special device to keep the springs under constant compression.
- Special bushing to ensure perfect coaxiality of cylinder and valve body, to facilitate moving parts, full product sealing and total hygiene during CIP process thanks also to the OR seal ring in terminal part.
- Easy to sterilize.
- Double-effect and single-effect pneumatic controls; can be equipped with proximity contact, microswitch, solenoid valve, connector.

VANNES PNEUMATIQUES NORMES 3-A

- Réalisées en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.
- Autodrainage complet de la vanne garanti par la forme interne sphérique et le polissage des parties internes.
- Éléments d'étanchéité faciles à atteindre durant les opérations de lavage CIP.
- Entretien facile grâce à l'assemblage de la vanne avec un collier Clamp 3 pièces.
- Admission de l'air par la partie supérieure de la vanne et refoulement dans la partie inférieure à l'aide du piston interne.
- Sécurité absolue au cours des opérations de montage et démontage grâce à un dispositif spécial assurant le maintien constant sous compression des ressorts.
- Présence d'une douille spéciale garantissent la parfaite coaxialité du cylindre par rapport au corps de la vanne, facilitant le glissement des pièces en mouvement, assurant l'étanchéité totale du produit et une hygiène complète lors des opération de lavage CIP. Ces propriétés sont rendues possibles aussi par la présence d'un joint torique dans la partie finale.
- Facilement stérilisables.
- Commandes pneumatiques à double effet ou simple effet; peuvent être munies de contact de proximité, minirupteur, électrovanne, connecteur.

VÁLVULAS NEUMÁTICAS NORMAS 3-A

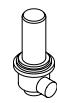
- Realizadas respetando rigurosamente los criterios y los tests establecidos por las normas 3-A.
- Completo autodrenaje de la válvula garantizado por la forma interior esférica y por el pulido de las partes interiores.
- Elementos de cierre a los que se puede llegar fácilmente durante el proceso de lavado CIP.
- Facilidad de mantenimiento gracias al ensamblado de la válvula mediante una abrazadera de 3 mordazas.
- Entrada de aire en la cabeza superior de la válvula y distribución en la parte inferior mediante el pistón interno.
- Absoluta seguridad durante las operaciones de montaje y desmontaje, garantizada por un dispositivo especial que permite mantener constantemente bajo compresión los muelles.
- Presencia de un casquillo especial para garantizar la perfecta coaxialidad del cilindro con respecto al cuerpo de la válvula, para facilitar el desplazamiento de las partes en movimiento, el cierre perfecto del producto y la más completa higiene durante las fases de lavado CIP, gracias también a la presencia de una junta OR en la parte final.
- Fácilmente esterilizables.
- Mandos neumáticos de doble efecto o de simple efecto que se pueden equipar con microsensor, microinterruptor, electroválvula, conector.



- | | |
|--|--|
| 1. Cilindro
Cylinder
Cylindre
Cilindro | 17. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR |
| 2. Corpo valvola
Valve body
Corps vanne
Cuerpo válvula | 18. Albero
Shaft
Arbre
Eje |
| 3. Corpo intermedio
Middle body
Corps intermédiaire
Cuerpo intermedio | 19. Molla
Spring
Ressort
Muelle |
| 6. Testata superiore
Top head
Tête supérieure
Cabezal superior | 21. Bussola PTFE
PTFE bush
Douille PTFE
Casquillo PTFE |
| 7. Testata inferiore
Bottom head
Tête inférieure
Cabezal inferior | 22. Morsetto Clamp
Clamp
Collier Clamp
Abrazadera Clamp |
| 8. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR | 35. Rondella PTFE
PTFE washer
Rondelle PTFE
Arandela PTFE |
| 9. Otturatore v. pn. 2 vie
Shutter 2-way pn. v.
Obturateur v. pn. 2 v.
Obturador v. neum. 2 v. | 36. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR |
| 10. Otturatore v. pn. 3 vie
Shutter 3-way pn. v.
Obturateur v. pn. 3 v.
Obturador v. neum. 3 v. | 37. Lanterna
Lantern
Lanterne
Linterna |
| 11. Guarnizione a labbro
Lip gasket
Joint à lèvre
Junta de reborde | 38. Vite
Screw
Vis
Tornillo |
| 12. Ghiera di bloccaggio
Locking collar
Bague de blocage
Tuerca de seguridad | 39. Anello di raccordo
Joining ring
Bague de raccord
Anillo de conexión |
| 13. Distanziale
Spacer
Entretoise
Distanciador | 40. Vite
Screw
Vis
Tornillo |
| 14. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR | 41. Tappo
Blank
Bouchon
Tapón |
| 15. Anello di tenuta OR
OR seal ring
Joint torique
Junta OR | 42. Anello di tenuta OR
Or seal ring
Joint torique
Junta OR |
| 16. Pistone
Piston
Piston
Pistón | |

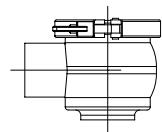


VALVOLE PNEUMATICHE NORME 3-A
3-A PNEUMATIC VALVES
VANNES PNEUMATIQUES NORMES 3-A
VÁLVULAS NEUMÁTICAS NORMAS 3-A

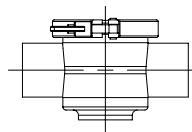


CLAMP

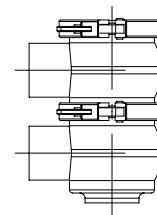
COMBINAZIONI
BODY COMBINATIONS
COMBINAISONS
COMBINACIONES



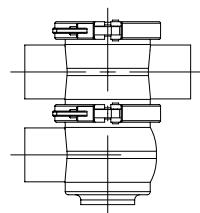
L



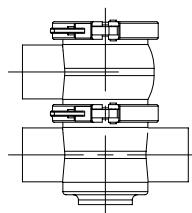
T



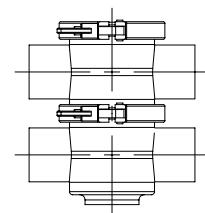
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TL

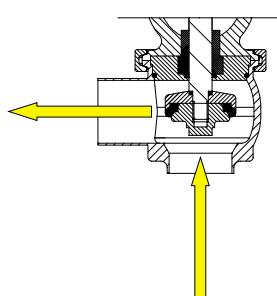


LT

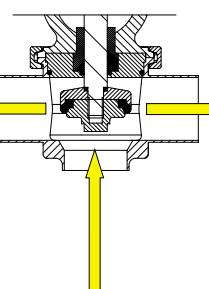
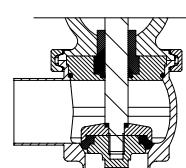


TT

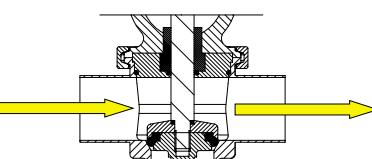
DIAGRAMMI DI FLUSSO
FLOWCHARTS
DIAGRAMMES DE FLUX
DIAGRAMAS DE FLUJO

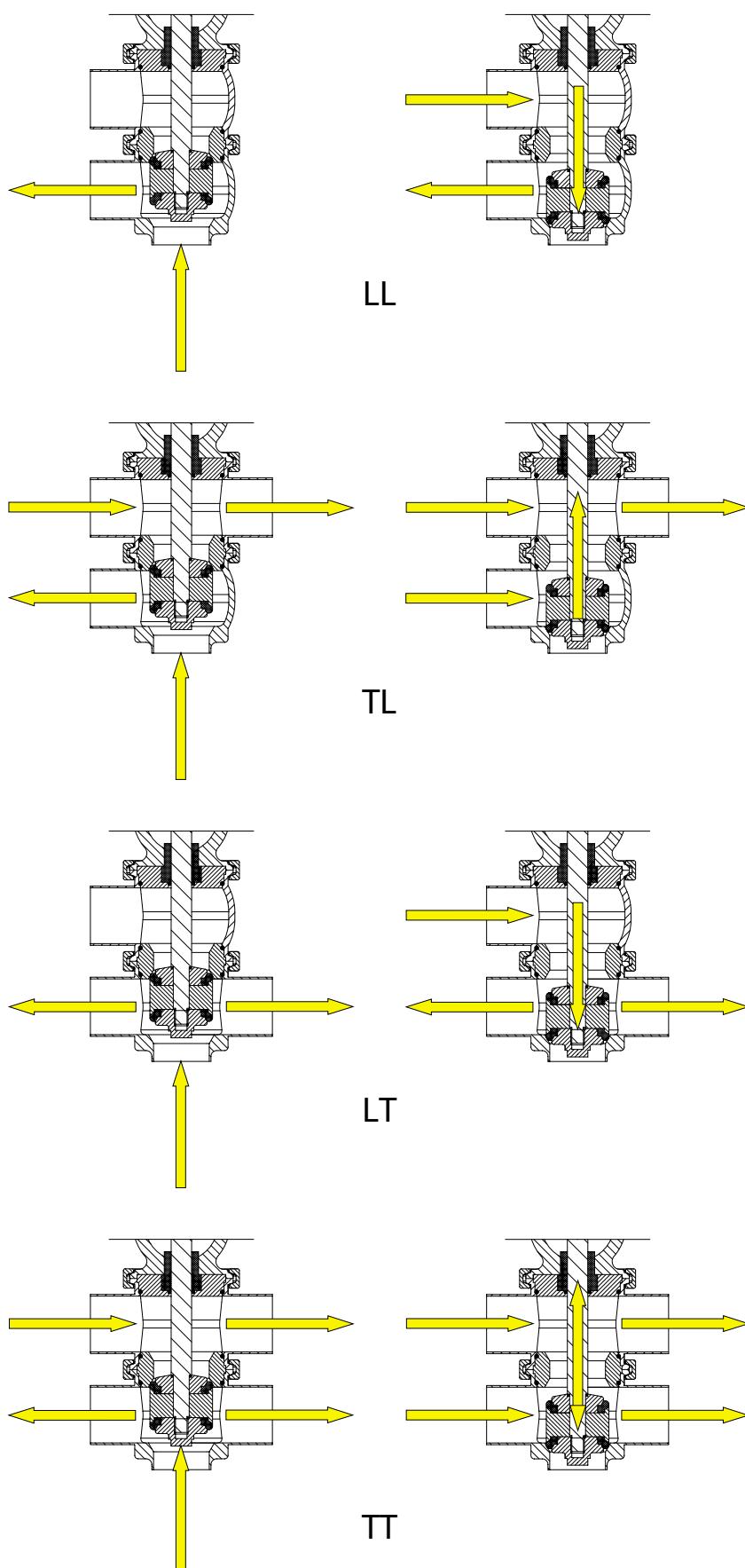


L



T



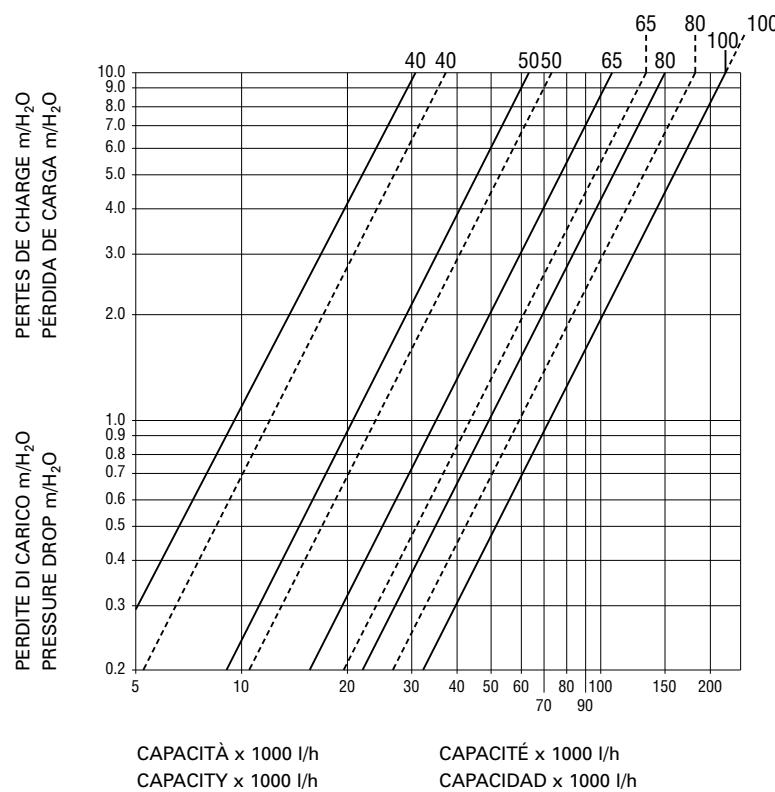




PERDITE DI CARICO
PRESSURE DROP
PERTES DE CHARGE
PÉRDIDA DE CARGA

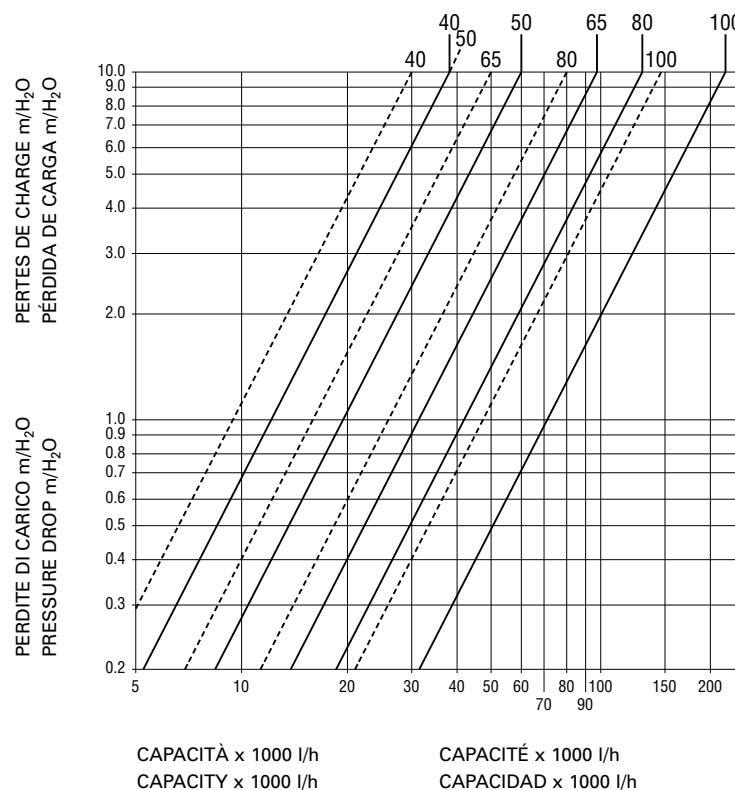
VALVOLA PNEUMATICA 2 VIE L
TWO-WAY PNEUMATIC VALVE L

VANNE PNEUMATIQUE 2 VOIES L
VÁLVULA NEUMÁTICA 2 VÍAS L



VALVOLA PNEUMATICA 3 VIE LL
THREE-WAY PNEUMATIC VALVE LL

VANNE PNEUMATIQUE 3 VOIES LL
VÁLVULA NEUMÁTICA 3 VÍAS LL





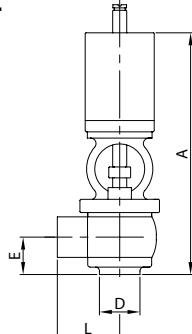
V. PNEUM. 3-A 2 V. L EL.
PNEUM. V. 3-A 2 W. L PE.
V. PNEUM. 3-A 2 V. L BL.
V. NEUM. 3-A 2 V. L EL.

V. PNEUM. 3-A 2 V. L E. SM.
PNEUM. V. 3-A 2 W. L E. FR.
V. PNEUM. 3-A 2 V. L B. FR.
V. NEUM. 3-A 2 V. L E. SM.

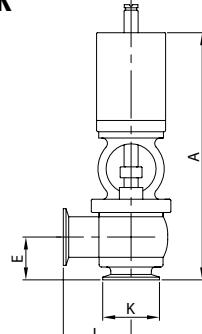
V. PNEUM. 3-A 3 V. T EL.
PNEUM. V. 3-A 3 W. T PE.
V. PNEUM. 3-A 3 V. T BL.
V. NEUM. 3-A 3 V. T EL.

V. PNEUM. 3-A 3 V. T E. SM.
PNEUM. V. 3-A 3 W. T E. FR.
V. PNEUM. 3-A 3 V. T B. FR.
V. NEUM. 3-A 3 V. T E. SM.

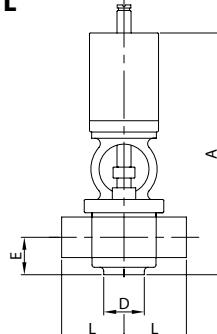
900 L



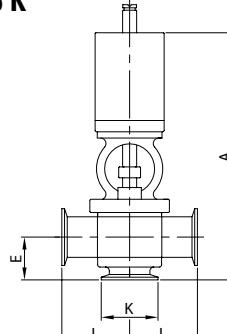
901 K



905 L



906 K



DN	A	D	E	L	gr
1" 25	241,0	25,4	38,0	50,0	4.320
1 1/2" 38	253,0	38,1	44,0	56,0	4.620
2" 51	310,0	50,8	48,0	65,0	9.500
2 1/2" 63	326,0	63,5	54,0	78,0	13.080
3" 76	364,0	76,2	64,0	84,0	15.000
4" 101	454,0	101,6	90,0	135,0	27.000

DN	A	E	K	L	gr
1" 25	253,7	50,7	50,5	62,7	4.340
1 1/2" 38	265,7	56,7	50,5	68,7	4.650
2" 51	322,7	60,7	64,0	77,7	9.550
2 1/2" 63	338,7	66,7	77,0	90,7	13.140
3" 76	376,7	76,7	91,0	96,7	15.070
4" 101	469,8	105,8	119,0	150,8	27.130

DN	A	D	E	L	gr
1" 25	241,0	25,4	38,0	50,0	4.330
1 1/2" 38	253,0	38,1	44,0	56,0	4.640
2" 51	310,0	50,8	48,0	65,0	9.530
2 1/2" 63	326,0	63,5	54,0	78,0	13.120
3" 76	364,0	76,2	64,0	84,0	15.050
4" 101	454,0	101,6	90,0	135,0	27.090

DN	A	E	K	L	gr
1" 25	253,7	50,7	50,5	62,7	4.360
1 1/2" 38	265,7	56,7	50,5	68,7	4.700
2" 51	322,7	60,7	64,0	77,7	9.600
2 1/2" 63	338,7	66,7	77,0	90,7	13.210
3" 76	376,7	76,7	91,0	96,7	15.160
4" 101	469,8	105,8	119,0	150,8	27.290

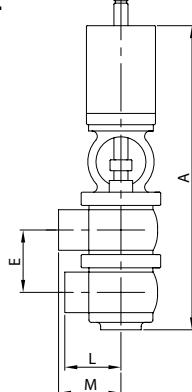
V. PNEUM. 3-A 3 V. LL EL.
PNEUM. V. 3-A 3 W. LL PE.
V. PNEUM. 3-A 3 V. LL BL.
V. NEUM. 3-A 3 V. LL EL.

V. PNEUM. 3-A 3 V. LL E. SM.
PNEUM. V. 3-A 3 W. LL E. FR.
V. PNEUM. 3-A 3 V. LL B. FR.
V. NEUM. 3-A 3 V. LL E. SM.

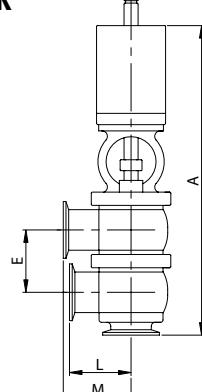
V. PNEUM. 3-A 4 V. TL EL.
PNEUM. V. 3-A 4 W. TL PE.
V. PNEUM. 3-A 4 V. TL BL.
V. NEUM. 3-A 4 V. TL EL.

V. PNEUM. 3-A 4 V. TL E. SM.
PNEUM. V. 3-A 4 W. TL E. FR.
V. PNEUM. 3-A 4 V. TL B. FR.
V. NEUM. 3-A 4 V. TL E. SM.

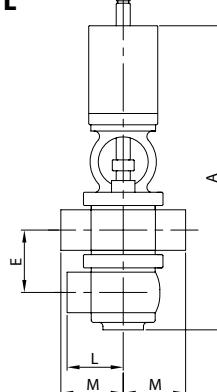
910 L



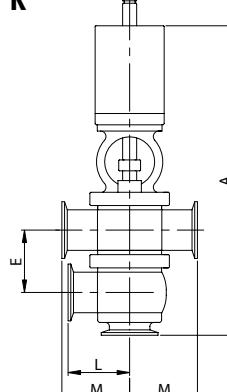
911 K



920 L



921 K



DN	A	E	L	M	gr
1" 25	295,0	54,0	50,0	60,0	5.460
1 1/2" 38	320,0	67,0	56,0	65,0	6.360
2" 51	390,0	80,0	65,0	80,0	10.280
2 1/2" 63	422,0	96,0	78,0	100,0	17.280
3" 76	467,0	103,0	84,0	106,0	18.600
4" 101	625,0	157,0	135,0	135,0	31.000

DN	A	E	L	M	gr
1" 25	307,7	54,0	62,7	72,7	5.490
1 1/2" 38	332,7	67,0	68,7	77,7	6.400
2" 51	402,7	80,0	77,7	92,7	10.350
2 1/2" 63	434,7	96,0	90,7	112,7	17.370
3" 76	479,7	103,0	96,7	118,7	18.700
4" 101	640,8	157,0	150,8	150,8	31.180

DN	A	E	L	M	gr
1" 25	295,0	54,0	50,0	60,0	5.470
1 1/2" 38	320,0	67,0	56,0	65,0	6.380
2" 51	390,0	80,0	65,0	80,0	10.310
2 1/2" 63	422,0	96,0	78,0	100,0	17.320
3" 76	467,0	103,0	84,0	106,0	18.650
4" 101	625,0	157,0	135,0	135,0	31.090

DN	A	E	L	M	gr
1" 25	307,7	54,0	62,7	72,7	5.510
1 1/2" 38	332,7	67,0	68,7	77,7	6.440
2" 51	402,7	80,0	77,7	92,7	10.410
2 1/2" 63	434,7	96,0	90,7	112,7	17.440
3" 76	479,7	103,0	96,7	118,7	18.790
4" 101	640,8	157,0	150,8	150,8	31.340



VALVOLE PNEUMATICHE NORME 3-A
3-A PNEUMATIC VALVES
VANNES PNEUMATIQUES NORMES 3-A
VÁLVULAS NEUMÁTICAS NORMAS 3-A

CLAMP

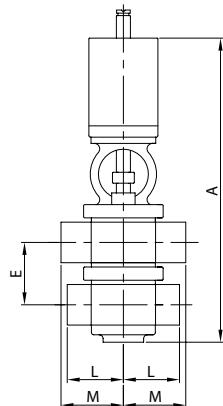
V. PNEUM. 3-A 5 V. TT EL.
PNEUM. V. 3-A 5 W. TT PE.
V. PNEUM. 3-A 5 V. TT BL.
V. NEUM. 3-A 5 V. TT EL.

V. PNEUM. 3-A 5 V. TT E. SM.
PNEUM. V. 3-A 5 W. TT E. FR.
V. PNEUM. 3-A 5 V. TT B. FR.
V. NEUM. 3-A 5 V. TT E. SM.

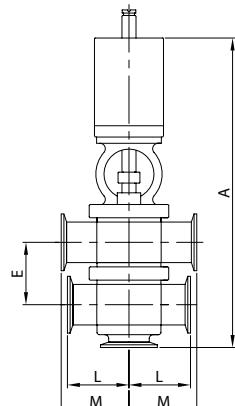
ELETROVALVOLA
SOLENOID VALVE
ÉLECTROVANNE
ELECTROVALVULA

MICROINTERRUTTORE
MICROSWITCH
MINIRUPTEUR
MICROINTERRUPTOR

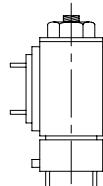
925 L



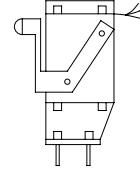
926 K



015 NC



015 NA



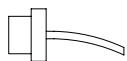
014 1

DN	A	E	L	M	gr
1"	25	295,0	54,0	50,0	60,0
1 1/2"	38	320,0	67,0	56,0	65,0
2"	51	390,0	80,0	65,0	80,0
2 1/2"	63	422,0	96,0	78,0	100,0
3"	76	467,0	103,0	84,0	106,0
4"	101	625,0	157,0	135,0	135,0
					31.180

DN	A	E	L	M	gr
1"	25	307,7	54,0	62,7	72,7
1 1/2"	38	332,7	67,0	68,7	77,7
2"	51	402,7	80,0	77,7	92,7
2 1/2"	63	434,7	96,0	90,7	112,7
3"	76	479,7	103,0	96,7	118,7
4"	101	640,8	157,0	150,8	150,8
					31.350

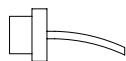
CONTATTO DI PROSSIMITÀ
PROXIMITY CONTACT
CONTACT DE PROXIMITÉ
MICROSENSOR

013 S



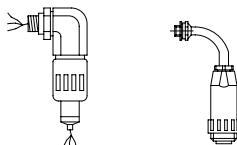
CONTATTO DI PROSSIMITÀ
PROXIMITY CONTACT
CONTACT DE PROXIMITÉ
MICROSENSOR

013 A
013 A/N
013 A/N/EX



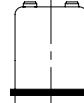
CONNETTORE
CONNECTOR
CONNECTEUR
CONECTOR

030 H 030 S



UNITÀ DI CONTROLLO
CONTROL UNIT
UNITÉ DE CONTRÔLE
UNIDAD DE CONTROL

900 UC 4





VALVOLE A MEMBRANA

- Realizzate seguendo rigorosamente i criteri e i test imposti dalle norme 3-A.
- Corpo 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.

DIAPHRAGM VALVES

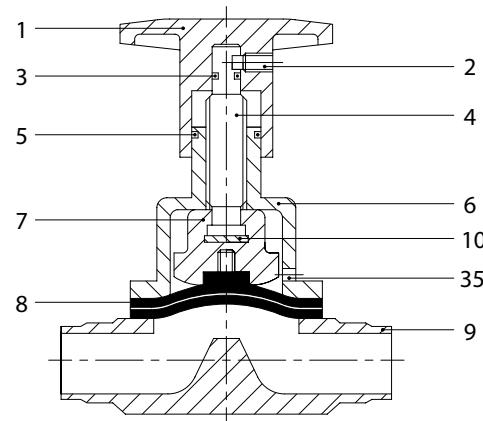
- Produced in strict conformity with criteria and tests required by 3-A standards.
- Press-forged, solution heat-treated, machined and polished body.
- AISI 316L manual and pneumatic controls for high temperature sterilization.
- EPDM or PTFE diaphragms. EPDM diaphragms and elastic support for the PTFE 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.





VANNES À MEMBRANE

- Réalisées en respectant scrupuleusement les critères et les tests imposés par les normes 3-A.
- Corps 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.
- Membrane en EPDM ou PTFE. Membranes en EPDM et supports élastiques pour les membranes en PTFE toileées pour conférer une meilleure résistance mécanique.
- Etanchéité 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.



1. Volantino Handwheel Volant Manivela	6. Comando Control Commande Mando
2. Grano Dowel Cheville Pasador	7. Compressore Compressor Compresseur Compressor
3. Anello di tenuta OR OR seal ring Joint torique Junta OR	8. Membrana Diaphragm Membrane Membrana
4. Stelo Spindle Tige Varilla	9. Corpo valvola Valve casing Corps vanne Cuerpo
5. Anello di tenuta OR OR seal ring Joint torique Junta OR	10. Reggispinta Thrust bearing Butée Cojinete de empuje
	35. Foro rilevaz. perdite Leakage detection hole Trous relèvement pertes Orificio desc. pérdida

VÁLVULAS DE MEMBRANA

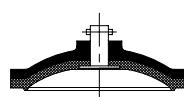
- Realizadas respetando rigurosamente los criterios y los tests establecidos por las normas 3-A.
- Cuerpo realizado mediante estampado en caliente, solubilizado, trabajado mecánicamente y pulido.
- Mandos manuales y neumáticos de acero inoxidable AISI 316L para esterilizaciones a elevadas temperaturas.
- Membranas de EPDM o PTFE. Membranas de EPDM y soportes elásticos para las membranas de PTFE entrelados 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.

MEMBRANE
DIAPHRAGMS
MEMBRANES
MEMBRANAS



■ EPDM

-40°C +150°C
-40°F +300°F



■ PTFE

-10°C +150°C
-15°F +300°F



CONNESSIONI
ENDS
BOUTS
EXTREMOS

DN	BS				SCHEDE				ISO		DIN						
	D.E.	+16	18	D.E.	5S	10S	40S	D.E.	Sp.	D.E.	Sp.	Serie 1		Serie 2		Serie 3	
		swg	swg									Sp.	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

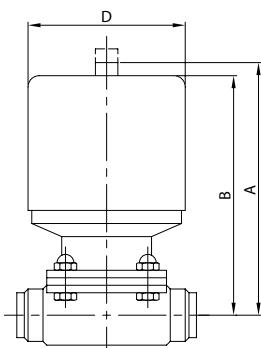
CV AND KV VALUES

VALEURS CV ET KV

VALORES CV Y KV

%	DN 15 1/2"		DN 20 3/4"		DN 25 1"		DN 40 1 1/2"		DN 50 2"	
APERTURA OPENING OUVERTURE APERTURA	CV (US gal/min)	KV (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	10,7	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	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



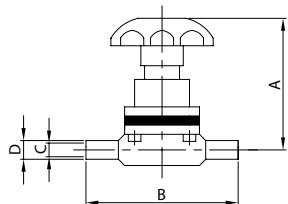
Diam. valvola Valve diam. Diam. vanne Diam. válvula	A	B	D	Vol. Aria chiude Air closes Air ferme Aire cierra	Vol. Aria apre Air opens Air ouvre Aire abre	Tempi Time Temps Tiempos
mm	mm	mm	mm	cm³	cm³	s
15	125	120	70	50	20	1
20	140	135	89	230	65	1
25	145	140	89	230	65	1
40	208	203	129	1000	250	2
50	220	215	129	1000	350	2

Diam. valvola Valve diam. Diam. vanne Diam. válvula	A	B	D	Vol. Aria chiude Air closes Air ferme Aire cierra	Vol. Aria apre Air opens Air ouvre Aire abre	Tempi Time Temps Tiempos
in	in	in	in	in³	in³	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.

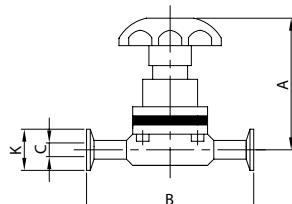
S57W



DN	A	B	C	D	gr
1/4" 6	66,5	67,0	3,9	6,3	190
3/8" 9	66,5	67,0	7,1	9,5	190
1/2" 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.

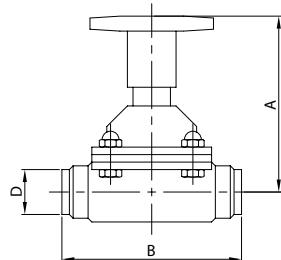
S57K



DN	A	B	C	K	gr
1/2" 12	66,5	67,0	9,4	25,0	200

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

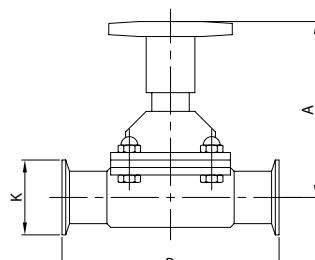
57W



DN	A	B	C	D	gr
1/2" 12	78,0	89,0	12,7	840	
3/4" 19	79,0	102,0	19,0	1.200	
1" 25	92,0	114,0	25,4	1.680	
1 1/2" 38	112,0	140,0	38,1	3.140	
2" 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.

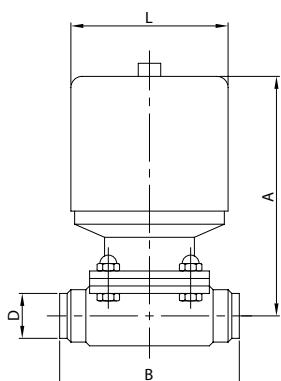
57K



DN	A	B	K	gr
1/2" 12	78,0	89,0	25,0	840
3/4" 19	79,0	102,0	25,0	1.200
1" 25	92,0	114,0	50,5	1.680
1 1/2" 38	112,0	140,0	50,5	3.140
2" 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.

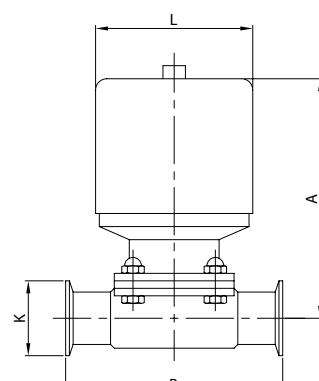
58W



DN	A	B	D	L	gr
1/2" 12	110,0	89,0	12,7	60,0	1.360
3/4" 19	123,0	102,0	19,0	90,0	2.460
1" 25	129,0	114,0	25,4	90,0	2.780
1 1/2" 38	187,0	140,0	38,1	127,0	6.880
2" 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.

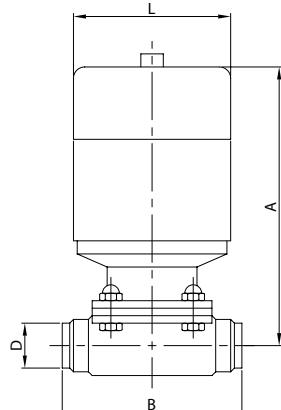
58K



DN	A	B	K	L	gr
1/2" 12	111,0	89,0	25,0	60,0	1.360
3/4" 19	123,0	102,0	25,0	90,0	2.460
1" 25	129,0	114,0	50,5	90,0	2.780
1 1/2" 38	187,0	140,0	50,5	127,0	6.880
2" 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.

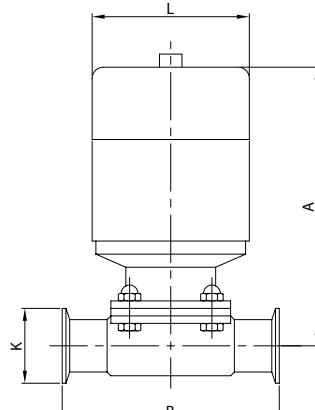
60W



DN	A	B	D	L	gr
1/2" 12	153,0	89,0	12,7	60,0	1.660
3/4" 19	154,0	102,0	19,0	90,0	3.010
1" 25	167,0	114,0	25,4	90,0	3.330
1 1/2" 38	187,0	140,0	38,1	127,0	7.880
2" 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
1/2" 12	153,0	89,0	25,0	60,0	1.660
3/4" 19	154,0	102,0	25,0	90,0	3.010
1" 25	167,0	114,0	50,5	90,0	3.330
1 1/2" 38	187,0	140,0	50,5	127,0	7.880
2" 51	210,0	159,0	64,0	127,0	9.160



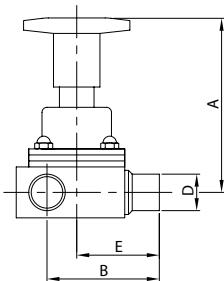
V. MEMBRANA 3 V. T EL.
DIAPHRAGM V. 3 W. T PE.
V. MEMBRANE 3 V. T BL.
V. MEMBRANA 3 V. T EL.

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.

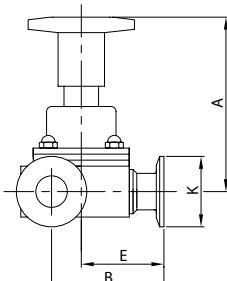
V. M. PNEUM. 3 V. T EL.
PNEUM. D. V. 3 W. T PE.
V. M. PNEUM. 3 V. T BL.
V. M. NEUM. 3 V. T EL.

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.

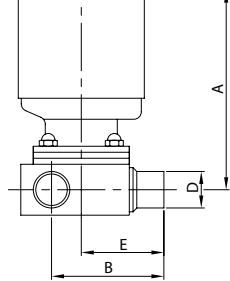
ZDT 57W



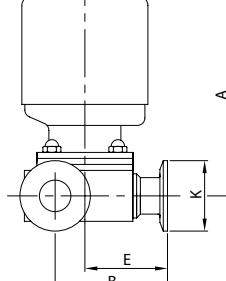
ZDT 57K



ZDT 58W



ZDT 58K



DN	A	B	D	E	gr
1/2" 12	97,5	56,5	12,7	44,5	840
3/4" 19	99,0	66,5	19,0	51,0	1.200
1" 25	120,0	80,0	25,4	57,0	1.680
1 1/2" 38	156,0	101,5	38,1	70,0	3.140
2" 51	182,0	118,5	50,8	79,5	5.040

DN	A	B	E	K	gr
1/2" 12	97,5	56,5	44,5	25,0	840
3/4" 19	99,0	66,5	51,0	25,0	1.200
1" 25	120,0	80,0	57,0	50,5	1.680
1 1/2" 38	156,0	101,5	70,0	50,5	3.140
2" 51	182,0	118,5	79,5	64,0	5.040

DN	A	B	D	E	gr
1/2" 12	110,0	56,5	12,7	44,5	1.360
3/4" 19	123,0	66,5	19,0	51,0	2.460
1" 25	129,0	80,0	25,4	57,0	2.780
1 1/2" 38	188,0	101,5	38,1	70,0	6.880
2" 51	201,0	118,5	50,8	79,5	8.160

DN	A	B	E	K	gr
1/2" 12	110,0	56,5	44,5	25,0	1.360
3/4" 19	123,0	66,5	51,0	25,0	2.460
1" 25	129,0	80,0	57,0	50,5	2.780
1 1/2" 38	188,0	101,5	70,0	50,5	6.880
2" 51	201,0	118,5	79,5	64,0	8.160

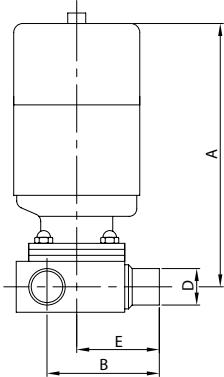
V. M. UN. C. 3 V. T EL.
D. V. C. UNIT 3 W. T PE.
V. M. UN. CONTR. 3 V. T BL.
V. M. UN. CONTR. 3 V. T EL.

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.

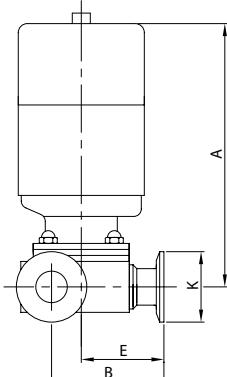
V. M. PRELIEVO EL.
SAMPLING D. V. PE.
V. M. PRISE ECHANT. EL.
V. M. TOMAMUESTRAS EL.

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

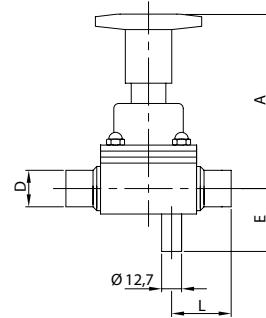
ZDT 60W



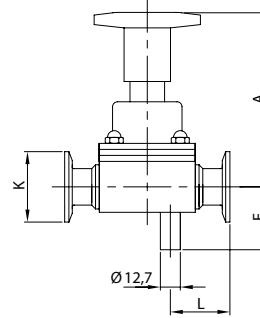
ZDT 60K



ZDL 57W



ZDL 57K



DN	A	B	D	E	gr
1/2" 12	186,0	56,5	12,7	44,5	1.660
3/4" 19	198,0	66,5	19,0	51,0	3.010
1" 25	204,0	80,0	25,4	57,0	3.330
1 1/2" 38	263,0	101,5	38,1	70,0	7.880
2" 51	276,0	118,5	50,8	79,5	9.160

DN	A	B	D	E	gr
1/2" 12	186,0	56,5	44,5	25,0	1.660
3/4" 19	198,0	66,5	51,0	25,0	3.010
1" 25	204,0	80,0	57,0	50,5	3.330
1 1/2" 38	263,0	101,5	70,0	50,5	7.880
2" 51	276,0	118,5	79,5	64,0	9.160

DN	A	D	E	L	gr
1/2" 12	94,5	12,7	34,5	27,0	840
3/4" 19	96,0	19,0	39,0	32,0	1.200
1" 25	116,0	25,4	42,0	37,0	1.680
1 1/2" 38	155,0	38,1	59,0	42,0	3.140
2" 51	182,0	50,8	66,0	46,0	5.040

DN	A	E	K	L	gr
1/2" 12	94,5	34,5	25,0	27,0	840
3/4" 19	96,0	39,0	25,0	32,0	1.200
1" 25	116,0	42,0	50,5	37,0	1.680
1 1/2" 38	155,0	59,0	50,5	42,0	3.140
2" 51	182,0	66,0	64,0	46,0	5.040



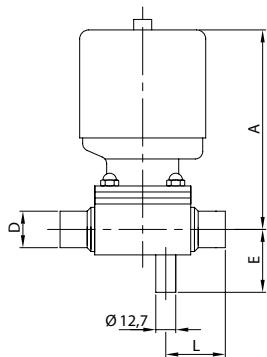
V. M. PNEUM. PRELIEVO EL.
SAMPLING PN. D. V. PE.
V. M. PN. PRISE ECH. EL.
V. M. NEUM. TOMAM. EL.

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.

V. M. U. C. PRELIEVO EL.
SAMPLING D. V. C. UN. PE.
V. M. U. C. PRISE ECH. BL.
V. M. U. C. TOMAM. EL.

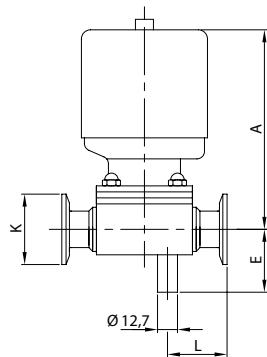
V. M. U. C. PREL. E. SM.
SAMPL. D. V. C. UN. E. FR.
V. M. U. C. PRISE ECH. B. FR.
V. M. U. C. TOMAM. E. SM.

ZDL 58W



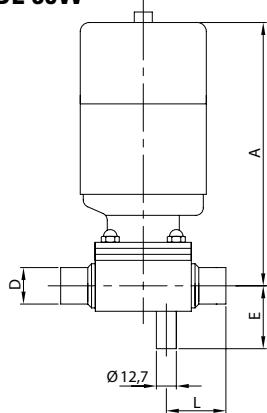
DN	A	D	E	L	gr
1/2" 12	107,0	12,7	34,5	27,0	1.360
3/4" 19	120,0	19,0	39,0	32,0	2.460
1" 25	125,0	25,4	42,0	37,0	2.780
1 1/2" 38	187,0	38,1	59,0	42,0	6.880
2" 51	201,0	50,8	66,0	46,0	8.160

ZDL 58K



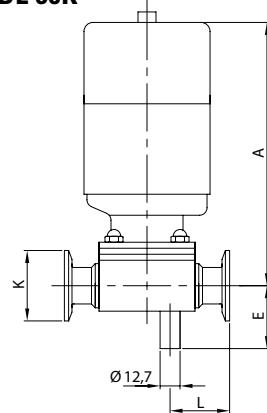
DN	A	E	K	L	gr
1/2" 12	107,0	34,5	25,0	27,0	1.360
3/4" 19	120,0	39,0	25,0	32,0	2.460
1" 25	125,0	42,0	50,5	37,0	2.780
1 1/2" 38	187,0	59,0	50,5	42,0	6.880
2" 51	201,0	66,0	64,0	46,0	8.160

ZDL 60W



DN	A	D	E	L	gr
1/2" 12	183,0	12,7	34,5	27,0	1.660
3/4" 19	195,0	19,0	39,0	32,0	3.010
1" 25	200,0	25,4	42,0	37,0	3.330
1 1/2" 38	262,0	38,1	59,0	42,0	7.880
2" 51	276,0	50,8	66,0	46,0	9.160

ZDL 60K



DN	A	E	K	L	gr
1/2" 12	183,0	34,5	25,0	27,0	1.660
3/4" 19	195,0	39,0	25,0	32,0	3.010
1" 25	200,0	42,0	50,5	37,0	3.330
1 1/2" 38	262,0	59,0	50,5	42,0	7.880
2" 51	276,0	66,0	64,0	46,0	9.160

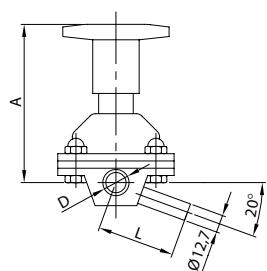
V. M. PRELIEVO 20° EL.
20° SAMPLING D. V. PE.
V. M. PRISE ECH. 20° EL.
V. M. TOMAM. 20° EL.

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.

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.

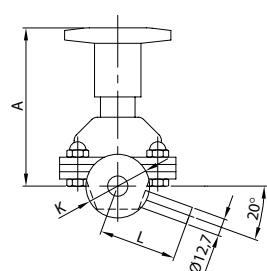
V. M. PN. PREL. 20° E. SM.
20° SAMPL. PN. D. V. E. FR.
V. M. PN. PR. ECH. 20° B. FR.
V. M. N. TOMAM. 20° E. SM.

D2L 57W



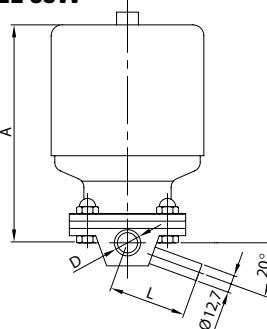
DN	A	D	L	gr
1/2" 12	94,5	12,7	46,0	840
3/4" 19	96,0	19,0	50,0	1.200
1" 25	116,0	25,4	55,0	1.680
1 1/2" 38	155,0	38,1	71,0	3.140
2" 51	182,0	50,8	84,0	5.040

D2L 57K



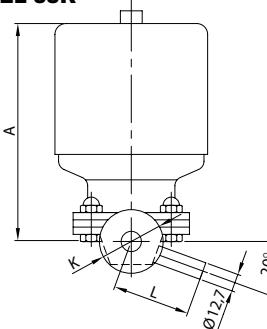
DN	A	K	L	gr
1/2" 12	94,5	25,0	46,0	840
3/4" 19	96,0	25,0	50,0	1.200
1" 25	116,0	50,5	55,0	1.680
1 1/2" 38	155,0	50,5	71,0	3.140
2" 51	182,0	64,0	84,0	5.040

D2L 58W



DN	A	D	L	gr
1/2" 12	107,0	12,7	46,0	1.360
3/4" 19	120,0	19,0	50,0	2.460
1" 25	125,0	25,4	55,0	2.780
1 1/2" 38	187,0	38,1	71,0	6.880
2" 51	201,0	50,8	84,0	8.160

D2L 58K



DN	A	K	L	gr
1/2" 12	107,0	25,0	46,0	1.360
3/4" 19	120,0	25,0	50,0	2.460
1" 25	125,0	50,5	55,0	2.780
1 1/2" 38	187,0	50,5	71,0	6.880
2" 51	201,0	64,0	84,0	8.160



VALVOLE A MEMBRANA
DIAPHRAGM VALVES
VANNES À MEMBRANE
VÁLVULAS DE MEMBRANA



CLAMP

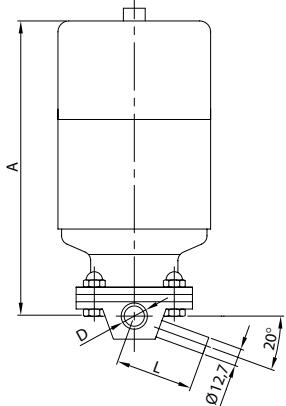
V. M. U. C. PREL. 20° EL.
20° SAMPL. D. V. C. UN. PE.
V. M. U. C. PR. ECH. 20° EL.
V. M. U. C. TOMAM. 20° EL.

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.

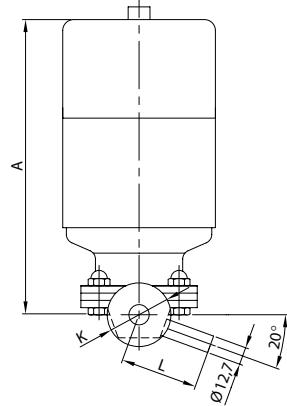
V. M. FONDO SERB. E. SM.
TANK BOTTOM D. V. E. FR.
V. M. FOND CUVE B. FR.
V. M. FONDO TANQUE E. SM.

D2L 60W



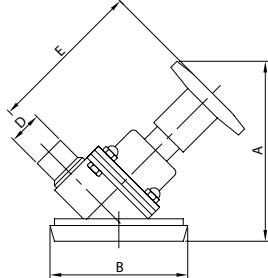
DN	A	D	L	gr
1/2" 12	183,0	12,7	46,0	1.660
3/4" 19	195,0	19,0	50,0	3.010
1" 25	200,0	25,4	55,0	3.330
1 1/2" 38	262,0	38,1	71,0	7.880
2" 51	276,0	50,8	84,0	9.160

D2L 60K



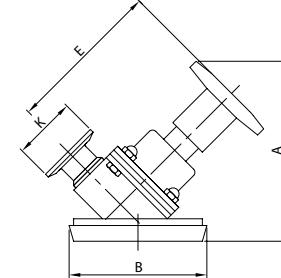
DN	A	K	L	gr
1/2" 12	183,0	25,0	46,0	1.660
3/4" 19	195,0	25,0	50,0	3.010
1" 25	200,0	50,5	55,0	3.330
1 1/2" 38	262,0	50,5	71,0	7.880
2" 51	276,0	64,0	84,0	9.160

KTB 57W



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

KTB 57K



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

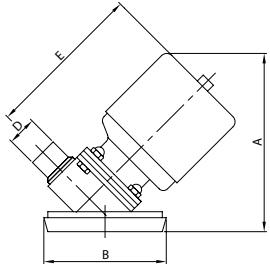
V. M. PNEUM. F. SERB. EL.
TANK B. PNEUM. D. V. PE.
V. M. PN. FOND CUVE BL.
V. M. NEUM. F. TANQUE EL.

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.

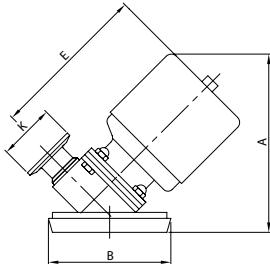
V. M. U. C. F. SERB. E. SM.
TANK B. D. V. C. UN. E. FR.
V. M. U. C. F. CUVE B. FR.
V. M. U. C. F. TANQUE E. SM.

KTB 58W



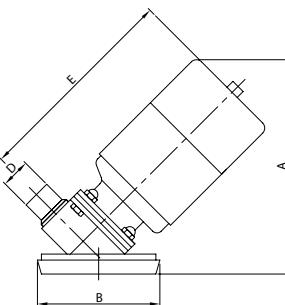
DN	A	B	D	E	gr
1/2" 12	125,0	68,0	12,7	107,0	1.560
3/4" 19	147,0	86,0	19,0	120,0	2.810
1" 25	152,0	100,0	25,4	125,0	3.130
1 1/2" 38	210,0	121,0	38,1	187,0	7.830
2" 51	227,0	150,0	50,8	201,0	10.210

KTB 58K



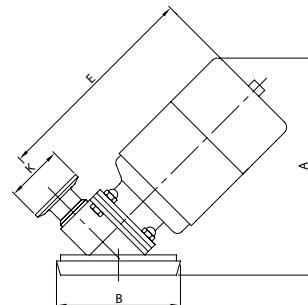
DN	A	B	E	K	gr
1/2" 12	125,0	68,0	107,0	25,0	1.560
3/4" 19	147,0	86,0	120,0	25,0	2.810
1" 25	152,0	100,0	125,0	50,5	3.130
1 1/2" 38	210,0	121,0	187,0	50,5	7.830
2" 51	227,0	150,0	201,0	64,0	10.210

KTB 60W



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

KTB 60K



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



VALVOLE A MEMBRANA
DIAPHRAGM VALVES
VANNES À MEMBRANE
VÁLVULAS DE MEMBRANA



CLAMP

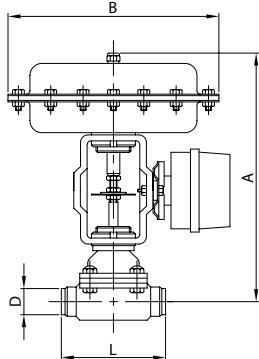
V. M. MODULANTE EL.
MODULATING D. V. PE.
V. M. MODULANTE BL.
V. M. MODULANTE EL.

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

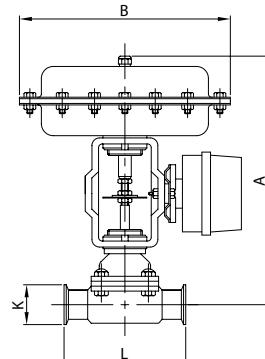
MEMBRANA EPDM
EPDM DIAPHRAGM
MEMBRANE EPDM
MEMBRANA EPDM

MEMBRANA PTFE
PTFE DIAPHRAGM
MEMBRANE PTFE
MEMBRANA PTFE

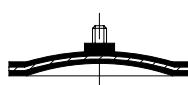
59W



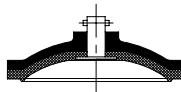
59K



57 E 08



57 T 08

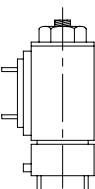


DN	A	B	D	L	gr
1/2" 12	305,5	290,0	12,7	89,0	11.840
3/4" 19	307,0	290,0	19,0	102,0	12.200
1" 25	311,0	290,0	25,4	114,0	12.680
1 1/2" 38	330,5	290,0	38,1	140,0	14.140
2" 51	345,5	290,0	50,8	159,0	16.040

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

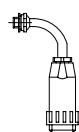
ELETTOVALVOLA NC.
SOLENOID VALVE NC.
ÉLECTROVANNE NF.
ELECTROVÁLVULA NC.

015 NC



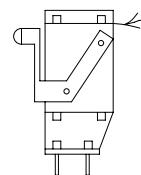
CONNETTORE
CONNECTOR
CONNECTEUR
CONECTOR

030 S



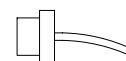
MICROINTERRUTTORE
MICROSWITCH
MINIRUPTEUR
MICROINTERRUPTOR

014 1 014 2



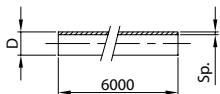
CONTATTO DI PROSSIMITÀ
PROXIMITY CONTACT
CONTACT DE PROXIMITÉ
MICROSENSOR

013 A 013 A/N 013 A/N/EX



TUBO
PIPE
TUBE
TUBO

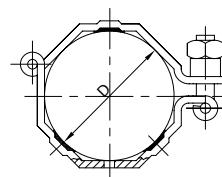
TL



DN	D	Sp.	gr
10	12,0	1	275
15	18,0	1	426
20	22,0	1	526
25	28,0	1,5	995
32	34,0	1,5	1.221
40	40,0	1,5	1.446
50	52,0	1,5	1.897
65	70,0	2	3.405
80	85,0	2	4.157
100	101,6	2,11	5.256
104	104,0	2	5.108
125	129,0	2	6.360
150	154,0	2	7.612
200	204,0	2	10.116

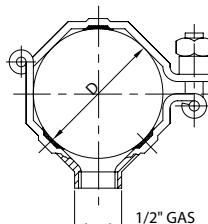
REGGIT. OTTAG. EL.
OCTAG. P. HANGER PE.
COLLIER OCTOG. BL.
ABRAZAD. OCTAG. EL.

094 L



REGGIT. OTTAG. EF.
OCTAG. P. HANGER ME.
COLLIER OCTOG. BF.
ABRAZAD. OCTAG. ER.

094 F

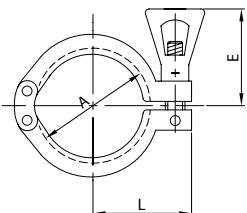


DN	D	gr
28	28,0	110
34	34,0	120
40	40,0	130
52	52,0	160
70	70,0	210
85	85,0	220
101	101,6	270
104	104,0	270

DN	D	gr
28	28,0	110
34	34,0	120
40	40,0	130
52	52,0	160
70	70,0	210
85	85,0	220
101	101,6	270
104	104,0	270

MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA

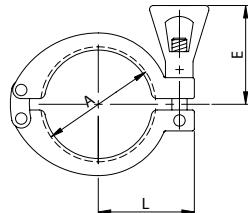
K12 D



DN	A	E	L	gr
10	38,0	35,0	34,5	120
15	38,0	35,0	34,5	120
20	38,0	53,0	34,5	220
25	53,4	53,0	43,0	220
32	53,4	53,0	43,0	220
40	53,4	53,0	43,0	220
50	67,0	53,0	50,0	260
65	94,0	53,0	65,0	330
80	109,0	53,0	75,0	400
100	122,0	53,0	85,0	500

MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA

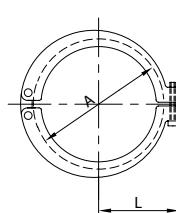
K15 D



DN	A	E	L	gr
25	54,5	53,0	43,7	220
32	54,5	53,0	43,7	220
40	54,5	53,0	43,7	220
50	68,0	53,0	50,5	260
65	95,0	53,0	64,0	330
80	110,0	53,0	71,5	400
100	123,0	53,0	78,0	400

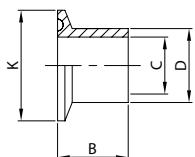
MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA

K12 HPD



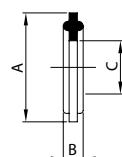
DN	A	L	gr
125	148,0	95,0	750
150	170,0	111,0	1.450
200	222,0	137,0	1.750

SEMIRACCORDO SR.
WG. FERRULE
FERRULE SR.
ENLACE SR.

K14 WD


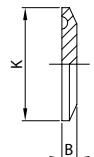
DN	B	C	D	K	gr
10	9,5	9,5	12,0	34,0	19
15	15,5	15,5	18,0	34,0	20
20	19,5	19,5	22,0	34,0	30
25	28,6	25,0	28,0	50,5	70
32	28,6	31,0	34,0	50,5	65
40	28,6	37,0	40,0	50,5	60
50	28,6	49,0	52,0	64,0	95
65	28,6	66,0	70,0	91,0	150
80	28,6	81,0	85,0	106,0	195
100	28,6	100,0	104,0	119,0	235
125	28,6	124,0	129,0	144,4	805
150	28,6	149,0	154,0	166,8	1.010
200	28,6	199,0	204,0	218,0	1.410

GUARNIZIONE
GASKET
JOINT
JUNTA

K40 D


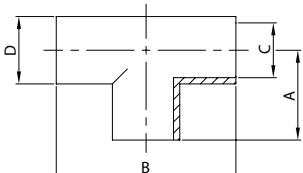
DN	A	B	C
10	34,0	5,5	9,5
15	34,0	5,5	15,5
20	34,0	5,5	19,5
25	50,5	5,5	25,0
32	50,5	5,5	31,0
40	50,5	5,5	37,0
50	64,0	5,5	49,0
65	91,0	5,5	66,0
80	106,0	5,5	81,0
100	119,0	5,5	100,0
104	119,0	5,5	97,6
125	144,4	5,5	124,0
150	166,8	5,5	149,0
200	218,0	5,5	199,0

TAPPO
SOLID END CAP
BOUCHON
TAPÓN

K16 D


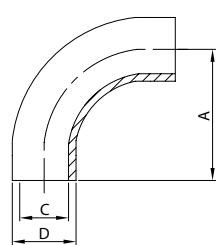
DN	B	K	gr
10	6,4	34,0	15
15	6,4	34,0	15
20	6,4	34,0	70
25	6,4	50,5	70
32	6,4	50,5	70
40	6,4	50,5	70
50	6,4	64,0	140
65	6,4	91,0	410
80	6,4	106,0	480
100	6,4	119,0	570
125	13,0	144,4	1.925
150	13,0	166,8	2.600
200	13,0	218,0	3.900

TEE EL.
TEE PE.
TE BL.
TE EL.

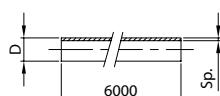
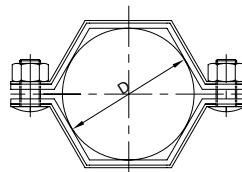
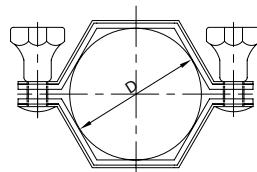
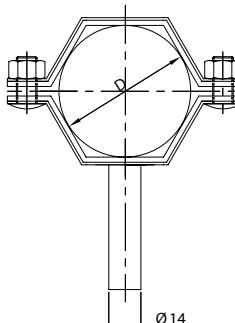
200 D


DN	A	B	C	D	gr
10	26,0	52,0	9,5	12,0	35
15	35,0	70,0	15,5	18,0	75
20	40,0	80,0	19,5	22,0	95
25	50,0	100,0	25,0	28,0	120
32	55,0	110,0	31,0	34,0	175
40	60,0	120,0	37,0	40,0	240
50	70,0	140,0	49,0	52,0	310
65	80,0	160,0	66,0	70,0	650
80	90,0	180,0	81,0	85,0	1.070
100	100,0	200,0	100,0	104,0	1.850
125	124,0	248,0	124,0	129,0	2.250
150	150,0	300,0	149,0	154,0	2.890
200	200,0	400,0	199,0	204,0	5.100

CURVA 90° ES.
BEND 90° WE.
COUDE 90° BS.
CURVA 90° ES.

310 D


DN	A	C	D	gr
10	26,0	9,5	12,0	15
15	35,0	15,5	18,0	20
20	40,0	19,5	22,0	50
25	50,0	25,0	28,0	65
32	55,0	31,0	34,0	100
40	60,0	37,0	40,0	150
50	70,0	49,0	52,0	190
65	80,0	66,0	70,0	410
80	90,0	81,0	85,0	530
100	100,0	100,0	104,0	810
125	188,0	124,0	129,0	1.230
150	230,0	149,0	154,0	1.760
200	306,0	199,0	204,0	3.130

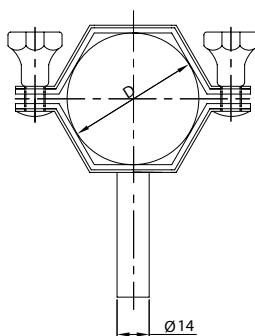
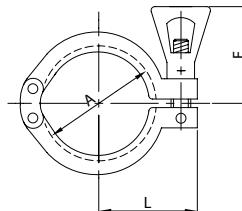
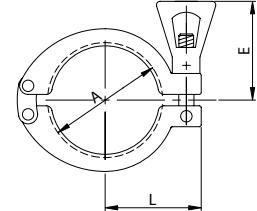
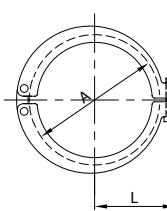
**TUBO
PIPE
TUBE
TUBO**
TL

**REGGITUBO EL.
PIPE HANGER PE.
COLLIER BL.
ABRAZADERA EL.**
092 LD

**REGGITUBO EL.
PIPE HANGER PE.
COLLIER BL.
ABRAZADERA EL.**
092 LG

**REGG. TRONCHETTO
STUB PIPE HANGER
COLLIER FOURREAU
ABR. ESPARRAGO**
092 TD


DN	D	Sp.	gr
1/4"	13,5	1,65	490
3/8"	17,2	1,65	640
1/2"	21,3	1,65	810
3/4"	26,9	1,65	1.040
1"	33,7	1,65	1.320
1 1/4"	42,4	1,65	1.680
1 1/2"	48,3	1,65	1.930
2"	60,3	2	2.920
2 1/2"	76,1	2	3.710
3"	88,9	2	4.350

DN	D	gr
1/4"	13,5	50
3/8"	17,2	70
1/2"	21,3	100
3/4"	26,9	120
1"	33,7	130
1 1/4"	42,4	140
1 1/2"	48,3	160
2"	60,3	180
2 1/2"	76,1	220
3"	88,9	240

DN	D	gr
1/4"	13,5	50
3/8"	17,2	70
1/2"	21,3	100
3/4"	26,9	120
1"	33,7	130
1 1/4"	42,4	140
1 1/2"	48,3	160
2"	60,3	180
2 1/2"	76,1	220
3"	88,9	240

DN	D	gr
1/4"	13,5	70
3/8"	17,2	90
1/2"	21,3	120
3/4"	26,9	140
1"	33,7	150
1 1/4"	42,4	160
1 1/2"	48,3	180
2"	60,3	200
2 1/2"	76,1	240
3"	88,9	260

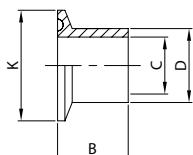
**REGG. TRONCHETTO
STUB PIPE HANGER
COLLIER FOURREAU
ABR. ESPARRAGO**
092 TG

**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**
K12 I

**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**
K15 I

**MORSETTO DOPPIO
HEAVY DUTY CLAMP
COLLIER CLAMP
ABRAZADERA**
K12 HPI


DN	D	gr
1/4"	13,5	70
3/8"	17,2	90
1/2"	21,3	120
3/4"	26,9	140
1"	33,7	150
1 1/4"	42,4	160
1 1/2"	48,3	180
2"	60,3	220
2 1/2"	76,1	240
3"	88,9	260

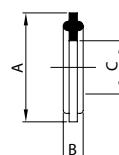
DN	A	E	L	gr
1/8"	38,0	53,0	34,5	120
1/4"	38,0	53,0	34,5	120
3/8"	38,0	53,0	34,5	120
1/2"	38,0	53,0	34,5	220
3/4"	53,4	53,0	43,0	220
1"	53,4	53,0	43,0	220
1 1/4"	53,4	53,0	43,0	220
1 1/2"	67,0	53,0	50,0	260
2"	80,4	53,0	57,2	330
2 1/2"	94,0	53,0	64,0	400
3"	110,0	53,0	71,5	500

DN	A	E	L	gr
3/4"	53,4	53,0	43,7	220
1"	53,4	53,0	43,7	220
1 1/4"	53,4	53,0	43,7	220
1 1/2"	67,0	53,0	50,5	260
2"	80,4	53,0	57,2	330
2 1/2"	94,0	53,0	64,0	400
3"	110,0	53,0	71,5	500

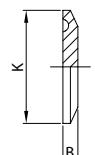
DN	A	L	gr
4"	133,0	88,0	770
5"	159,0	105,5	1.400
6"	187,0	119,5	1.700
8"	237,0	144,5	2.100

**SEMIRACCORDO SR.
WG. FERRULE
FERRULE SR.
ENLACE SR.**
K14 WI


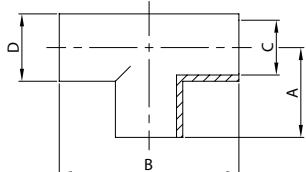
DN	B	C	D	K	gr
1/8"	21,0	6,9	10,2	34,0	20
1/4"	21,0	10,2	13,5	34,0	20
3/8"	21,0	13,9	17,2	34,0	20
1/2"	21,0	18,0	21,3	34,0	40
5/8"	28,6	23,6	26,9	50,5	80
1"	28,6	30,4	33,7	50,5	75
1 1/4"	28,6	39,1	42,4	50,5	60
1 1/2"	28,6	45,0	48,3	64,0	95
2"	28,6	56,3	60,3	77,5	145
2 1/2"	28,6	72,1	76,1	91,0	150
3"	28,6	84,9	88,9	106,0	210
4"	28,6	110,3	114,3	130,0	270
5"	28,6	135,7	139,7	155,0	470
6"	28,6	163,3	168,3	183,0	555
8"	28,6	214,1	219,1	233,5	700

**GUARNIZIONE
GASKET
JOINT
JUNTA**
K40 I


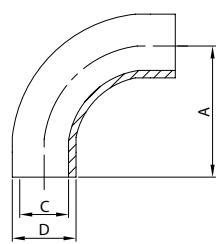
DN	A	B	C
1/8"	34,0	5,5	6,9
1/4"	34,0	5,5	10,2
3/8"	34,0	5,5	13,9
1/2"	34,0	5,5	18,0
5/8"	50,5	5,5	23,6
1"	50,5	5,5	30,4
1 1/4"	50,5	5,5	39,1
1 1/2"	64,0	5,5	45,0
2"	77,5	5,5	56,3
2 1/2"	91,0	5,5	72,1
3"	106,0	5,5	84,9
4"	130,0	5,5	110,3
5"	155,0	5,5	135,7
6"	183,0	5,5	163,3
8"	233,5	5,5	214,1

**TAPPO
SOLID END CAP
BOUCHON
TAPÓN**
K16 I


DN	B	K	gr
1/4"	6,4	34,0	15
3/8"	6,4	34,0	15
1/2"	6,4	34,0	70
3/4"	6,4	50,5	70
1"	6,4	50,5	70
1 1/4"	6,4	50,5	70
1 1/2"	6,4	64,0	140
2"	6,4	77,5	260
2 1/2"	6,4	91,0	350
3"	6,4	106,0	480
4"	6,4	130,0	750
5"	13,0	155,0	1.890
6"	13,0	183,0	2.600
8"	13,0	233,5	4.100

**TEE EL.
TEE PE.
TE BL.
TE EL.**
W7 I


DN	A	B	C	D	gr
1/4"	25,5	51,0	10,2	13,7	30
3/8"	25,5	51,0	13,9	17,2	40
1/2"	25,5	51,0	18,0	21,3	50
5/8"	28,5	57,0	23,6	26,9	100
1"	38,0	76,0	30,4	33,7	150
1 1/4"	47,5	95,0	39,1	42,4	235
1 1/2"	57,0	114,0	45,0	48,3	350
2"	63,5	127,0	56,3	60,3	470
2 1/2"	76,0	152,0	72,1	76,1	750
3"	85,5	171,0	84,9	88,9	930
4"	105,0	210,0	110,3	114,3	1.460
5"	124,0	248,0	135,7	139,7	2.070
6"	150,0	300,0	163,3	168,3	3.080

**CURVA 90° ES.
BEND 90° WE.
COUDE 90° BS.
CURVA 90° ES.**
W2C I


DN	A	C	D	gr
1/4"	20,2	10,2	13,7	20
3/8"	28,5	13,9	17,2	25
1/2"	31,8	18,0	21,3	30
5/8"	28,6	23,6	26,9	45
1"	38,1	30,4	33,7	100
1 1/4"	47,6	39,1	42,4	150
1 1/2"	57,2	45,0	48,3	200
2"	76,2	56,3	60,3	340
2 1/2"	95,2	72,1	76,1	530
3"	114,3	84,9	88,9	820
4"	152,4	110,3	114,3	1.340
5"	190,5	135,7	139,7	2.020
6"	228,6	163,3	168,3	2.890

Foto:
LUCA VENTURA
Milano

Composizione:
COMPOSTUDIO
Cernusco sul Naviglio (MI)

Fotolito:
COMPOSTUDIO
Cernusco sul Naviglio (MI)

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