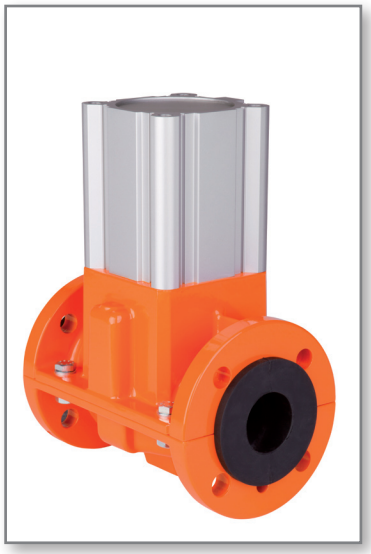
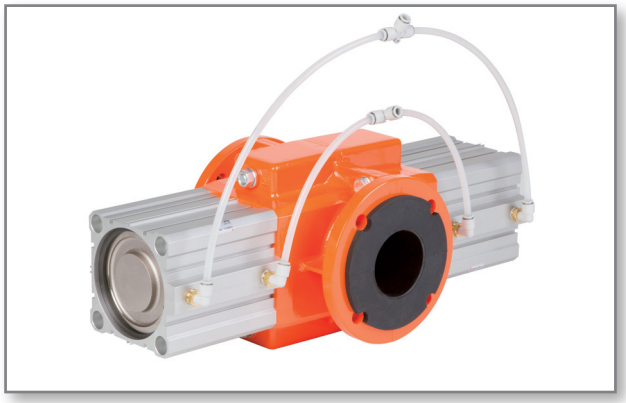
Valvole a pinza meccaniche Serie OV

Mechanical Pinch Valves of OV Series











Regolate in sicurezza. . .
Safety regulated . . .

Valvole a pinza meccaniche: La soluzione di raccordo per il bloccaggio e la regolazione

Inoltre le stesse particelle più grandi di materiale solido vengono rivestite dal pinza estremamente resistente all'usura e alla corrosione delle valvole a pinza meccaniche e quindi bloccate in modo impermeabile.

Esecuzione delle valvole:
Come varianti di comando sono a disposizione un azionamento manuale attraverso un volantino o la variante automatica con cilindri pneumatici doppi/semplici.

Mechanical Pinch Valves: Valve solution for isolation and regulation

Even larger solid particles are shut off by the sleeve, which is particularly resistant to abrasion and corrosion, hence shut off without leaks.

Actuator variants:
Actuator variants available include manual actuation by means of a hand wheel or the automatic variant with double or single-acting pneumatic cylinders.

Valvole a pinza meccaniche

Mechanical Pinch Valves

La soluzione ottimale per prodotti abrasivi, corrosivi e fibrosi come ad es. granulati, polveri e liquidi con materiali solidi.

Funzione:
La valvola a manicotto manuale si chiude con il volantino. La valvola a manicotto azionata pneumaticamente è chiusa dalla forza elastica e si apre con l'afflusso di aria. Inoltre è disponibile una valvola a manicotto con cilindro a doppia azione.

Vantaggi:
- Passaggio di prodotto libero,
- chiusura ermetica
- Tenuta ottimale
- Nessuna ostruzione
- Poca manutenzione

Funzione di sicurezza: in caso di mancanza di elettricità/aria la valvola di tipo PA/PA2 si chiude

Modelli:
Corpo e cilindro in alluminio, manicotti in vari materiali (es. gomma naturale antiabrasiva, neoprene, EPDM)

Manutenzione: Sostituzione dei manicotti e dei componenti semplice ed economica

Corpo: alluminio

Manicotti:
Gomma naturale e gomma sintetica
(es. NBR, CR, EPDM)
Manicotti per alimenti su richiesta.

Misure della flangia:
Conformi alla norma DIN EN 1092 PN10

Settori industriali:
- Sistemi di trasporto pneumatici
- Settore dei silos, del cemento
- Trattamento di pigmenti e granulati
- Industria della ceramica, del vetro e della plastica
- Trattamento delle acque reflue
- Industria del marmo, del granito etc.
- Conceria

The valve solution for abrasive, corrosive and fibrous products, granulates, powders and slurries.

Valve function:
The manual valve is closing with handwheel.
The pneumatic valve is normally spring closed, air to open.
Furthermore a pinch valve with double acting cylinders is available.

Advantages:
- free passage
- hermetic closing
- optimum tightness
- no plugging
- easy maintenance

safety function in the event of loss of energy/air of type PA/PA2

Construction:
Body and actuator aluminium, sleeves in various materials (e.g. natural rubber anti-abrasive, EPDM, neoprene)

Maintenance: The sleeves and other parts can be replaced easily

Body: Aluminium

Sleeves:
Natural rubber or synthetic elastomers
(i.e. NBR, CR, EPDM)
Sleeves in food grade on request.

Flange dimensions:
Acc. DIN EN 1092 PN10

Industrial areas:
- Pneumatic conveying systems
- Cement and fibrocement
- Pigment and granulates
- Ceramics-, glass-, plastic industry
- Sewage water and mud industry
- Marble- and granite industry etc
- Tannery

Salvo modifiche tecniche.

Technical details subject to change without notice.

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scheda dati / data sheet
DB_mV_0V_IT+EN_2015-03-04

Valvole a pinza meccaniche

Mechanical Pinch Valves

Serie OV - tipo M

Valvola a manicotto con volantino

Azionamento:
manuale con volantino

Meccanismo di apertura/chiusura:
DN 15-50: ad azione singola
DN 65-250: a doppia azione

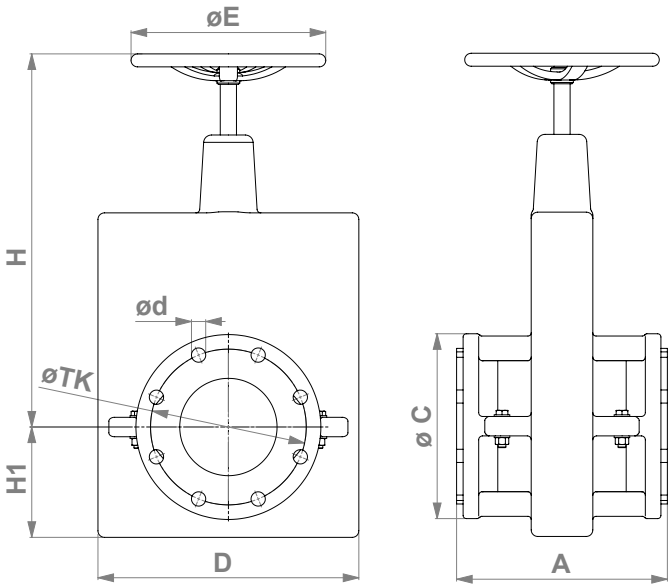
OV series - type M

Pinch Valve with handwheel

Operation:
Manual with handwheel

Opening / closing mechanism:
DN 15-50: single acting
DN 65-250: double acting





OV-M DN 15-250

DN	A	H	H1	øC	D	øE	Viti (screws)	øTK (mm)	Ød (mm)	PS max (bar)	Peso Weight (kg)
15	162	148	46	95	95	120	4	65	14	5	1,8
20	162	153	48	105	105	120	4	75	14	5	1,9
25	196	172	56	115	115	150	4	85	14	5	2,7
32	196	190	59	140	140	150	4	100	18	5	3,0
40	216	200	64	150	150	150	4	110	18	5	4,0
50	246	212	71	165	165	150	4	125	18	5	5,0
65	256	359	96	185	205	250	4	145	18	5	11,5
80	276	377	108	200	230	250	4	160	18	5	13,0
100	316	410	115	220	285	250	8	180	18	5	17,0
125	325	500	145	250	338	300	8	210	18	3	25,5
150	325	575	170	285	402	300	8	240	22	3	30,0
175	355	685	215	315	430	350	8	270	22	3	44,0
200	370	667	193	340	465	350	8	295	22	3	45,0
250	514	887	225	395	560	500	12	350	22	2	80,0

Salvo modifiche tecniche. Technical details subject to change without notice.

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scheda dati / data sheet
DB_mV_0V_IT+EN_2015-03-04

Valvole a pinza meccaniche

Mechanical Pinch Valves

Serie OV - tipo PA/PA2

Valvola a manicotto con azionamento pneumatico

La valvola è chiusa (forza elastica) e si apre con l'afflusso di aria (uno/due cilindri pneumatici, ad azione semplice)

Corpo+cilindro: alluminio

Accessori: valvole elettromagnetiche, interruttori a pressione, interruttori di fine corsa

OV series - type PA/PA2

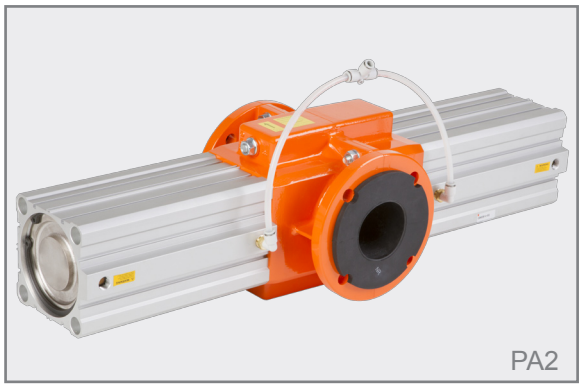
Pinch Valve with pneumatic actuator

The valve is spring closed, air to open.
(one/two single acting pneumatic cylinder)

Body+actuator: Aluminium

Accessories:
Solenoid valve, pressure regulators, limit switches

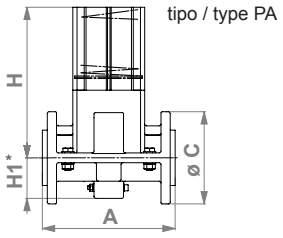


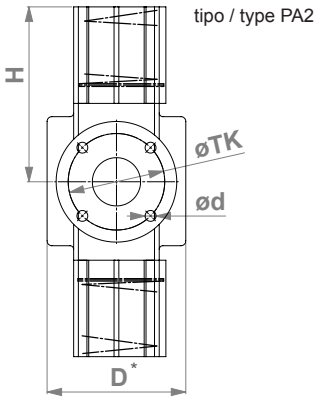


OV-PA/PA2 DN 15-200

DN	A	H	øC	Viti (screws)	øTK (mm)	Ød (mm)	PS max (bar)	Peso Weight (kg)	Tipo / type
15	162	238	95	4	65	14	5	3,8	PA
20	162	248	105	4	75	14	5	4,0	PA
25	196	291	115	4	85	14	5	5,0	PA
32	196	316	140	4	100	18	5	5,5	PA
40	216	345	150	4	110	18	3	11,0	PA
50	246	356	165	4	125	18	3	12,0	PA
65	256	372	185	4	145	18	3	20,0	PA2
80	276	415	200	4	160	18	3	40,0	PA2
100	316	436	220	8	180	18	3	42,0	PA2
125	325	540	250	8	210	18	3	58,0	PA2
150	325	510	285	8	240	22	3	62,0	PA2
200	370	615	340	8	295	22	2	95,0	PA2

* = vedere tipo M / see type M





Salvo modifiche tecniche. Technical details subject to change without notice.

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scheda dati / data sheet
DB_mV_0V_IT+EN_2015-03-04

Valvole a pinza meccaniche

Mechanical Pinch Valves

Serie OV - tipo P/P2

Valvola a manicotto con azionamento pneumatico

La valvola viene azionata pneumaticamente con uno/due cilindri pneumatici a doppia azione.

Corpo+cilindro: alluminio

Accessori: valvole elettromagnetiche, interruttori a pressione, interruttori di fine corsa

OV series - type P/P2

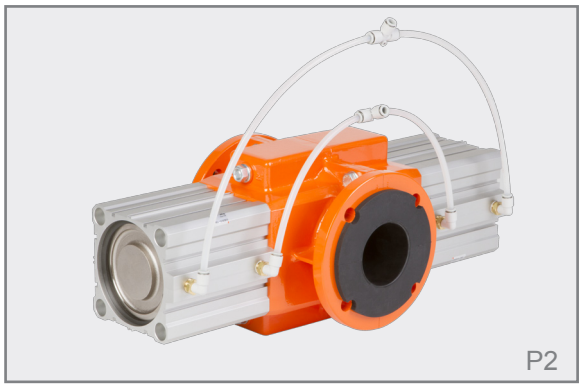
Pinch Valve with pneumatic actuator

The valve is pneumatically operated with one / two pneumatic cylinder (double acting).

Body+actuator: Aluminium

Accessories:
Solenoid valve, pressure regulators, limit switches

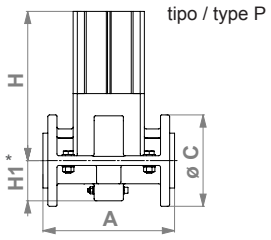


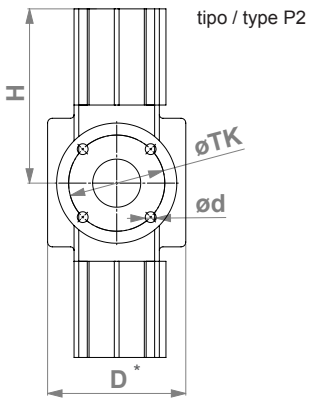


OV-P/P2 DN 15-250

DN	A	B	C	Viti (screws)	TK* (mm)	d* (mm)	PS max (bar)	Peso Weight (kg)	Tipo / type
15	162	147	95	4	65	14	5	2,5	P
20	162	149	105	4	75	14	5	2,7	P
25	196	151	115	4	85	14	5	3,5	P
32	196	163	140	4	100	18	5	3,6	P
40	216	245	150	4	110	18	5	7,0	P
50	246	256	165	4	125	18	5	7,5	P
65	256	220	185	4	145	18	5	15,0	P2
80	276	290	200	4	160	18	5	30,0	P2
100	316	300	220	8	180	18	5	33,0	P2
125	325	361	250	8	210	18	5	45,0	P2
150	325	396	285	8	240	22	5	50,0	P2
200	370	452	340	8	295	22	4	84,0	P2
250	524	695	395	12	350	22	2	160,0	P2

* = vedere tipo M / see type M





Salvo modifiche tecniche. Technical details subject to change without notice.

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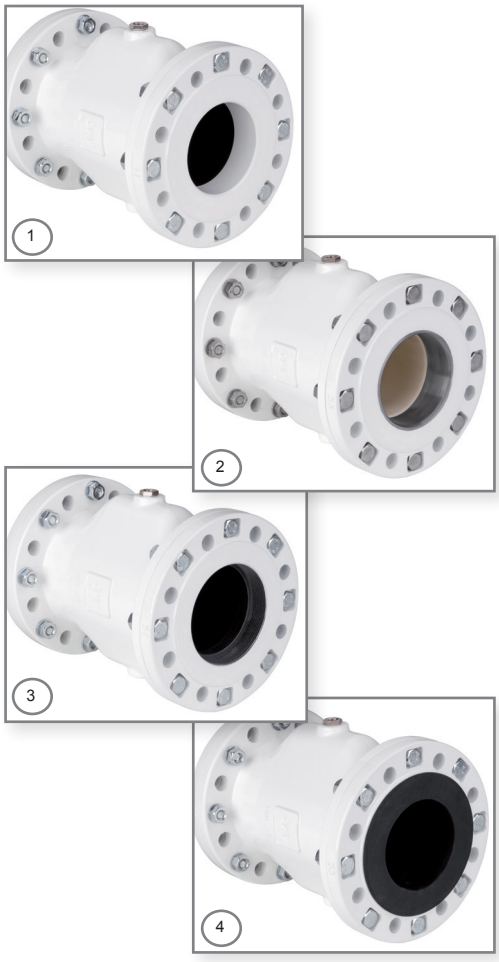
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(Traduzione / Translation)

Valvole a manicotto pneumatiche Serie VF

Air operated Pinch Valves of VF series





Valvole a manicotto come rubinetti di arresto

Con la sua struttura semplice, la valvola a manicotto pneumatica di AKO rappresenta una soluzione particolarmente conveniente/economica tra le valvole di chiusura perché non è necessario nessun comando particolare per l'azionamento della valvola a manicotto pneumatica, è necessaria soltanto una valvola elettromagnetica a 3/2 vie o una valvola a pilota per comandare la valvola a manicotto pneumatica.

Valvole a manicotto conformi alla Direttiva PED (2014/68/UE)

Materiali:

Corpo:	Alluminio
Flange:	Alluminio

Superficie valvola:
Rivestimento con poveri 60-80µm RAL9010

Pinch Valves as shut-off Valves

Due to its simple structure, AKO's air operated pinch valve represents a particularly low cost/economic shut-off valve solution, because a separate drive is not required for actuating them.

In fact, only a 3/2-way solenoid valve or pilot valve is needed to control them.

Pinch Valves comply with PED (2014/68/EU)

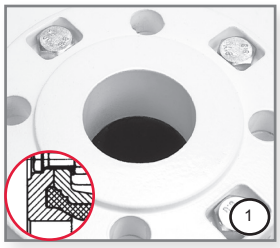
Materials:

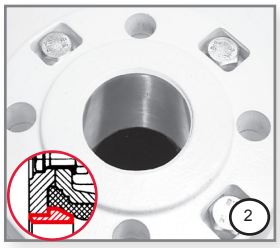
Body:	Aluminum
Flange:	Aluminum

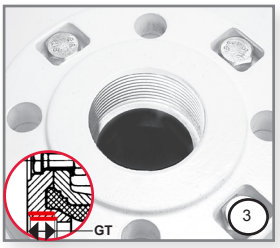
Valve finish:
Powder coated 60-80µm white RAL9010

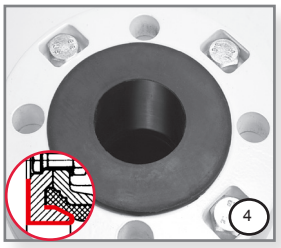
Valvole a manicotto pneumatiche - Raccordo a flangia

Air operated Pinch Valves - Flange Connection

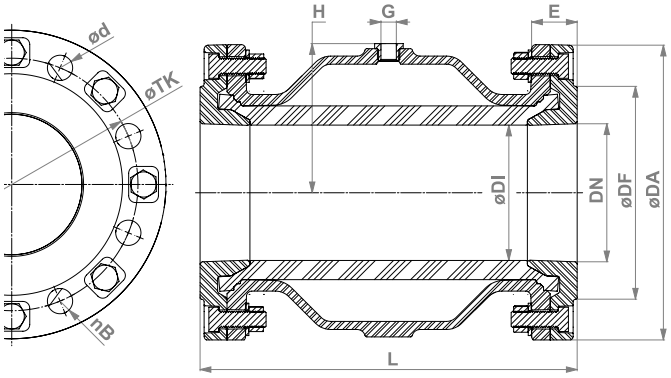








Vista esemplificativa: / Exempl. view:



Varianti delle flange / Flange variations:

1. standard alluminio
   standard aluminum
2. alluminio con bussola in acciaio/inox
   aluminum with steel/ stainless steel bushing
3. alluminio filettatura interna
   aluminum with internal thread
4. alluminio flange rivestite***
   aluminum with flange sleeve***

DN (mm)	øDI (mm)	øDA (mm)	øDF (mm)	nB***	Ød (mm)	øTK (mm)	L (mm)	G (inch)	H (mm)	E (mm)	Peso (kg) Weight (kg) allu/alu flange/flanges	Volumen (l)* Volume (l)* (ca. / approx)	PS max. (bar)	filettatura interna/Internal threat	GT profond/depth (mm)
40	40	150	88	4	18	110	155	G 1/4"	56	28	2,9	0,20	6	G 1½"	19
50	50	165	102	4	18	125	183	G 1/4"	65	30	3,8	0,30	6	G 2"	24
65	65	185	122	4	18	145	183	G 1/4"	81	28	4,3	0,45	6	G 2½"	22
80	80	200	138	8	18	160	228	G 1/4"	95	31	5,6	0,95	6	G 3"	22
100	100	220	158	8	18	180	280	G 1/4"	112	35	8,5	1,70	6	G 4"	20
125	118	250	184	8	18	210	348	G 1/4"	136	40	12,1	3,50	6	-	-
150	145	285	212	8	22	240	418	G 1/4"	160	43	17,0	7,00	6	-	-
200	190	340	268	8	22	295	558	G 3/8"	206	60	33,2	15,50	4	-	-
250	250	395	320	12	22	350	680	G 1/2"	266	67	56,0	30,00	3	-	-
300	300	445	370	12	22	400	820	G 1/2"	306	70	86,0	49,00	3	-	-

* Volume: Quantita d'aria per chiudere il manicotto / Volume = Control volume with closed sleeve
attacchi flangiati conforme norme DIN PN 10. ANSI su richiesta / Flange connection pursuant to DIN PN 10. ANSI on request.
** Per flange rivestite aumentare la dimensione L (DN 40 - 100) / Flange sleeve sealing increases the Dimension L (DN 40 - 100)
*** N. fori / Number of holes

Manicotti:
Gomma naturale (NR) antiabrasiva, NR alimentare, NR ad alta temperatura, EPDM, EPDM per alimenti nera, EPDM per alimenti chiara / nero, NBR per alimenti chiaro, FPM/FKM, CR, silicone, CSM, IIR.

Sleeves:
natural rubber (NR) anti-abrasive, NR food quality, NR high temp., EPDM, EPDM food black, EPDM food pale, NBR, NBR food black, NBR food pale, FPM/FKM, Silicone, CR, CSM, IIR

Accessori per le nostre valvole a manicotto trovate nella nostra scheda "Accessori per valvole".

Pinch Valve Accessories to be found on our data sheet "Pinch Valve Accessories".

Riserva di modifiche tecniche.

Technical details subject to change without notice.

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Valvole a manicotto pneumatiche di serie VM

Esecuzione dei manicotti DN10-50

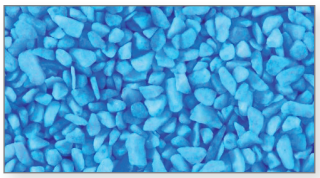
Air operated Pinch Valves of VM Series

Socket type DN10-50













La soluzione ottimale per prodotti abrasivi, corrosivi e fibrosi come ad es. granulati, polveri, sospensioni, fanghi, pulviscolo etc.

Settori industriali:
- industria del vino
- industria farmaceutica
- industria alimentare
- industria delle bevande
- industria chimica
- industria offshore

e molti altri

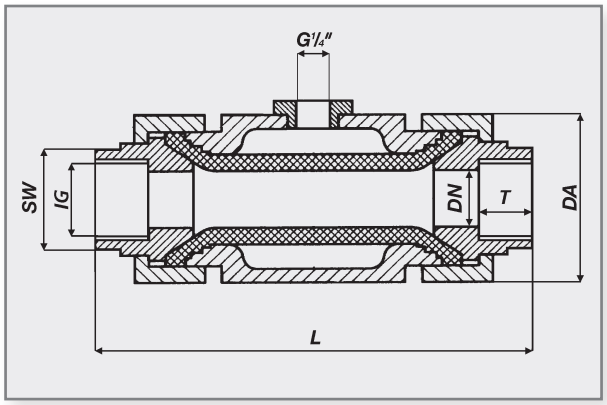
The ideal valve solution for abrasive, corrosive and fibrous products like granules, powders, suspensions, sludge/slurries, dust and so on.

Industrial areas:
- Wine Industry
- Pharmaceutical Industry
- Food Industry
- Beverage Industry
- Chemical Industry
- Offshore Industry

and many more

Valvole a manicotto pneumatiche di serie VM

Air operated Pinch Valves of VM Series



- Passaggio di prodotto libero
- Tenuta ottimale
- Resistenza di attrito minima
- Nessuna ostruzione
- Peso ridotto

- Free passage
- Optimum tightness
- Low resistance
- No plugging
- Low weight

DN (mm)	IG (inch)	T (mm)	SW (mm)	L (mm)	DA (mm)	PS max. (bar)
10	G⅜"	16	24	122	46	6
15	G½"	18	36	134	60	6
20	G¾"	19	36	140	60	6
25	G1"	20	46	145	75	6
32	G1¼"	25	52	170	85	6
40	G1½"	26	65	200	100	6
50	G2"	24	80	213	120	6

Materialii:
Corpo della valvola:
PVC
Alluminio, Acciaio inox su richiesta

Filettatura interna:
PVC
Acciaio inox, Plastica POM su richiesta

Manicotti:
gomma naturale (NR) resistente all'abrasione, NR per alimenti, NBR, NBR per alimenti, EPDM, EPDM per alimenti, silicone, FPM, CR, CSM

Min. pressione differenziale per la chiusura della valvola: 2-4 bar (Variabile a seconda del diametro nominale/elastomero)

Altri accessori e informazioni dettagliate trovate nella ns/ scheda "Accessori per armature".

Salvo modifiche tecniche.

Materials:
Valve body:
PVC
Aluminium, stainless steel upon request

Socket:
PVC
Stainless steel, POM upon request.

Sleeves:
Natural rubber (NR) anti-abrasive, NR food quality, NBR, NBR food, EPDM, EPDM food, silicone, FPM, CR, CSM

Min. differential pressure to close the valve:
2-4 bar (varies depending on diameter/sleeve)

Pinch Valve Accessories to be found on our data sheet "Pinch Valve Accessories".

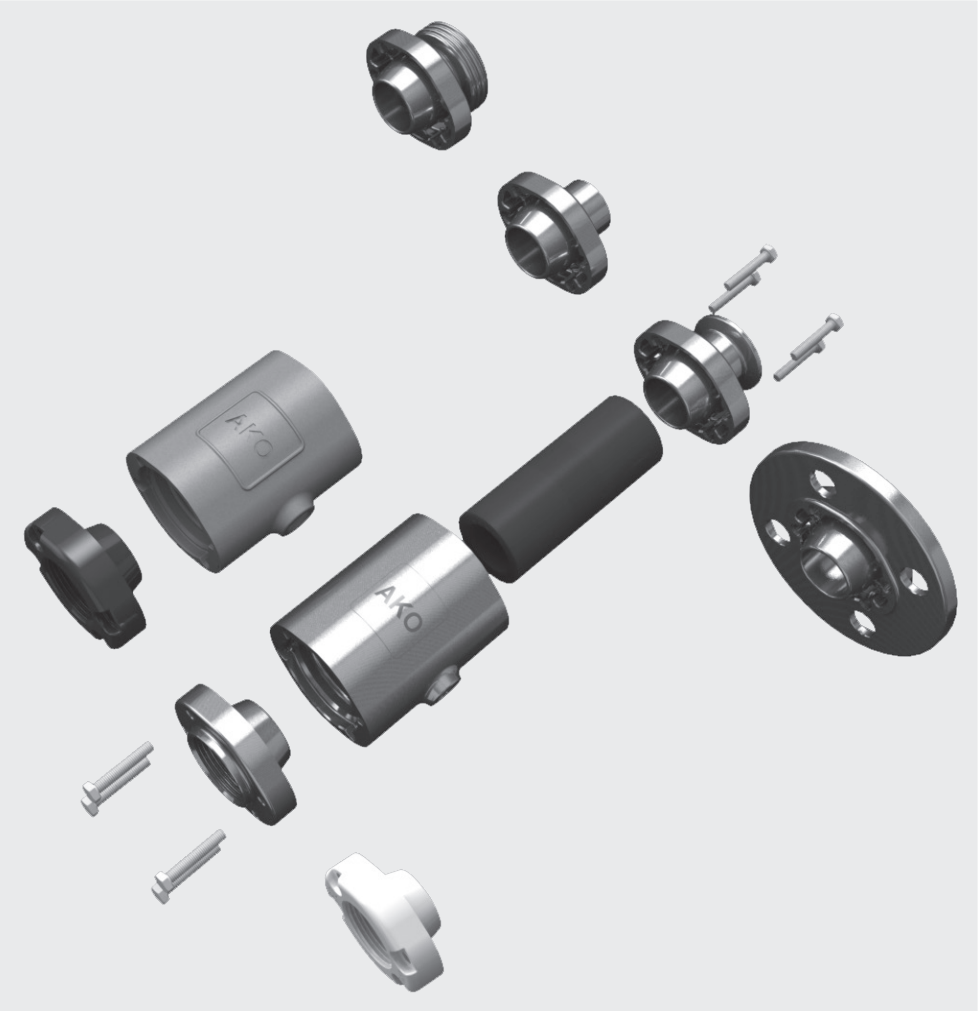
Technical details subject to change without notice.

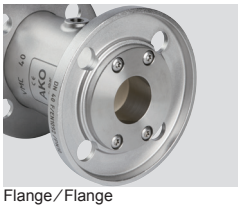
AKO Armaturen & Separationstechnik GmbH
D-65468 Trebur-Astheim ▪ Adam-Opel-Str. 5 ▪ Telefono/Phone: +49 (0) 61 47-9159-0 ▪ Fax: +49 (0) 61 47-9159-59
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(Traduzione / Translation)

Valvola a manicotto pneumatica Serie VMC

Air operated Pinch Valve of VMC Series





Flange/Flange



Filettatura interna/Internal Thread



Triclamp/Tri-Clamp



Raccordo a saldare/Weld-on ends



Raccordo filettato/Threaded spigot

Il sistema modulare flessibile per raccordi smontabili e asettici!

La soluzione ideale per l'intercettazione e la regolazione di qualsiasi sostanza solida, sospensione, pasta, sostanza gassosa, fibrosa e viscosa.

Vantaggi:

- Sistema modulare flessibile
- Diverse possibilità di collegamento
- Estremamente compatta
- Leggera
- Passagigio pieno
- Senza volume non utilizzabile
- Sostituzione semplice del manicotto
- Nessuna infiltrazione
- Convenienti

The flexible modular system for detachable and aseptic piping connections!

The ideal solution for isolation and regulation of solids of all kinds, suspensions, pastes, gaseous, fibrous and viscous media.

Advantages:

- Flexible modular system
- Various connection options
- Extremely compact
- Light weight
- Complete free passage
- No dead spots
- Easy maintenance and re-sleeving
- 100% tight shut off
- Competitive

Valvola a manicotto pneumatica Serie VMC

Air operated Pinch Valve of VMC Series

Industriebereiche:
- Industria alimentare / farmaceutica
- Industria chimica
- Trasporto pneumatico
- Trasformazione pigmenti / granulati
- Industrie ceramiche / vetro / plasica
- Impianti di aspirazione
- Dosaggio
- Impianti di riempimento e pesatura
- Sistemi di ventilazione e di scarico dell'aria

Industrial areas:
- Food/ pharmaceutical/ beverage industry
- Chemical industry
- Pneumatic conveying systems
- Pigments and granules
- Ceramics/ glass/ plastic industry
- Extraction systems
- Dosing systems
- Filling and weighing systems
- Air venting systems

Possibilità di collegamento:
Raccordo a flangia
Raccordo a filettatura interna G / NPT
Triclamp (Morsetto presa)
Raccordo a saldare
Raccordo filettato (filettatura latte)
Raccordo a tubo
Raccordo asettico/igienico

Connection options:
Flange Connection
Internal Thread Connection G / NPT
Tri-Clamp
Weld-on ends
Threaded spigot (RJT Connection)
Threaded hose nozzle Connection
Aseptic /Hygienic Connection

Ex Sono inoltre disponibili speciali modelli conduttori con apposita messa a terra, che sono adatti per l'impiego in aree Ex delle zone 0, 1, 2, 20, 21 e 22.

Ex Special, conductive models with a separate grounding system, suitable for use in areas at risk of explosions (Ex) in zones 0, 1, 2, 20, 21 and 22, are also available.

Le valvole a manicotto pneumatiche della serie VMC rispondono a tutti i requisiti posti dalla norma sugli apparecchi a pressione PED 2014/68/EU.

The air operated Pinch Valves of VMC series fulfill all requirements of the Pressure Equipment Directive 2014/68/EU.

Materiali:

Corpo:	Acciaio inox 1.4408
	Alluminio AlSi10Mg
	Plastica POM
Copriraccordo:	Acciaio inox 1.4404
	Plastica POM

Materials:

Body:	Stainless steel 1.4408
	Aluminum AlSi10Mg
	Plastic POM
Socket Connection:	Stainless steel 1.4404
	Plastic POM

Manicotti:
NR antiabrasiva, NR alimentare, EPDM, EPDM alimentare, NBR, NBR alimentare, CSM, IIR, CR, silicone, FPM, altri tipi su richiesta.

Sleeves:
NR abrasion resistant, NR food quality, EPDM, EPDM food quality, NBR, NBR food quality, CSM, IIR, CR, Silicone, FPM / FKM, other materials on request.

Pressione d'esercizio/ del liquido max:	~ 6 bar
Pressione di comando/ chiusura max:	8 bar
Pressione differenziale:	2-3,5 bar

Variabile a seconda del diametro nominale / elastomero

Riserva di modifiche tecniche.

Operating / medium pressure max.:	~ 6 bar
Control / closing pressure max.:	8 bar
Differential pressure:	2-3.5 bar

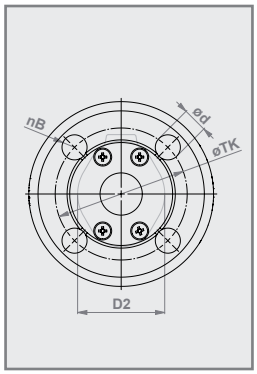
varies depending on diameter / sleeve

Technical details subject to change without notice.

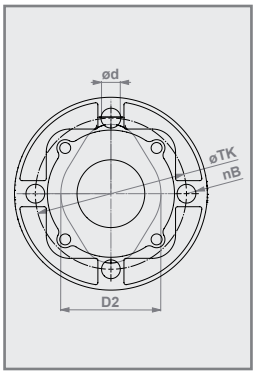
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Valvola a manicotto pneumatica - Raccordo a flangia (F)

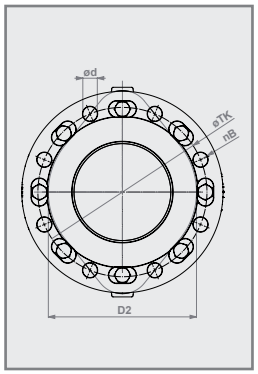
Air operated Pinch Valve - Flange conneciton (F)



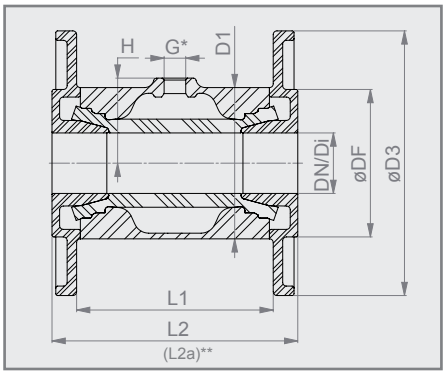
DN25 - DN50



DN65 - DN100



DN125 - DN150



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a flangia secondo
DIN EN 1092-1 PN 10/16
** (L2a) **DIN 11853-2 (BF)** / **11864-2 forma A (BF)** su richiesta

Connection type:
Flange connection according to
DIN EN 1092-1 PN 10/16
** (L2a) **DIN 11853-2 (BF)** / **11864-2 form A (BF)** on request

Corpo:
DN 25-150: Acciaio inox 1.4408 (E)
DN 25-100: Alluminio AlSi10Mg (A)

Body:
DN 25-150: Stainless steel 1.4408 (E)
DN 25-100: Aluminum AlSi10Mg (A)

Flange:
DN 25-150: Acciaio inox 1.4404 (E)

Flange:
DN 25-150: Stainless steel 1.4404 (E)

Lunghezza d'ingombro valvola:
DN 25/32/65: Secondo DIN EN 558 serie 27

Valve face to face length:
DN 25/32/65: Acc. to DIN EN 558 row 27

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-125 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 /
DN65-125 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN / Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	ø DF (mm)	* nB	ø d (mm)	ø TK (mm)	L1 (mm)	L2 (mm)	** L2a (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)
25	72	57	115	68	4	14	85	96	125	213	G 1/8"	37	0,09	2,4	1,7
32	80	66	140	78	4	18	100	104	130	226	G 1/4"	45	0,13	2,9	2,2
40	90	77	150	88	4	18	110	119	155	280	G 1/4"	50	0,22	4,0	2,8
50	110	88	165	106	4	18	125	149	185	306	G 1/4"	60	0,36	5,8	4,4
65	139	102	185	122	4	18	145	133	170	264	G 1/4"	74	0,44	5,5	4,9
80	173	126	200	138	4	18	160	173	213	306	G 1/4"	90	0,88	7,6	6,2
100	203	146	220	158	8	18	180	224	264	357	G 1/4"	107	1,80	12,2	-
125	252	184	250	187	8	18	210	286	336	-	G 1/4"	130	2,70	26,2	-
150	301	257	285	212	8	18	240	356	406	-	G 1/4"	155	6,95	37,1	-

* N. fori / Number of holes
** (L2a) DIN 11853-2 (BF) / 11864-2 forma A (BF) su richiesta / (L2a) DIN 11853-2 (BF) / 11864-2 form A (BF) on request
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

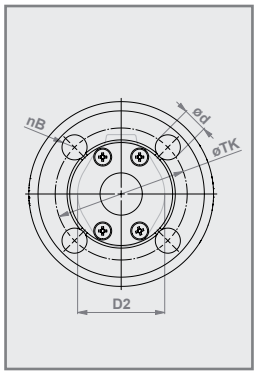
Riserva di modifiche tecniche. Technical details subject to change without notice.

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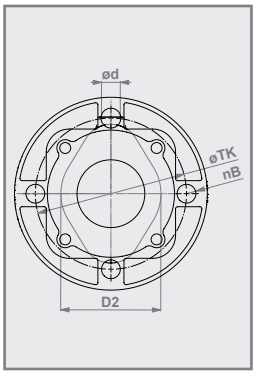
ANSI

Valvola a manicotto pneumatica - Raccordo a flangia (FA)

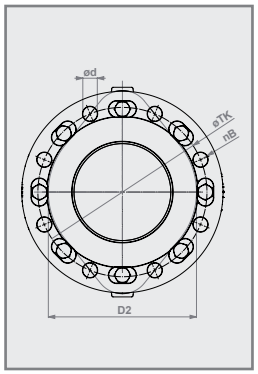
Air operated Pinch Valve - Flange conneciton (FA)



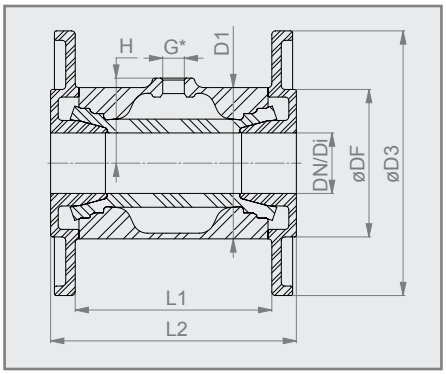
DN40 - DN50



DN65 - DN100



DN125 - DN150



Vista esemplificativa / Exempl. view (DN10 - DN50)

* ANSI/ASME B1.20.1 "NPT"

Tipo di raccordo:
Raccordo a flangia secondo
ANSI B 16.5 / 150lbs

Connection type:
Flange connection according to
ANSI B 16.5 / 150lbs

Corpo:
DN 40-150: Acciaio inox 1.4408 (E)
DN 40-100: Alluminio AlSi10Mg (A)

Body:
DN 40-150: Stainless steel 1.4408 (E)
DN 40-100: Aluminum AlSi10Mg (A)

Flange:
DN 40-150: Acciaio inox 1.4408 (E)
DN 40-100: Alluminio AlSi10Mg
con bussola in inox(A)

Flange:
DN 40-150: Stainless steel 1.4404 (E)
DN 40-100: Aluminum AlSi10Mg
with steel bushing (A)

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 /
DN65-125 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

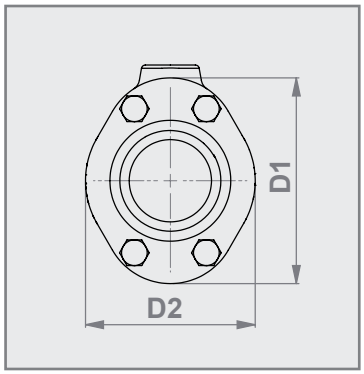
DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	D3 (mm)	DF (mm)	* nB	d (mm)	TK (mm)	L1 (mm)	L2 (mm) (EE/AE)	L2 (mm) (AA)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (AA)
[2]40	40,9	90	77	127,0	90	4	15,7	98,6	120	155	155	G 1/4"	50	0,22	3,4	2,5	2,0
[3]50	52,6	110	88	152,4	92	4	19,1	120,7	149	187	187	G 1/4"	60	0,36	5,3	3,9	3,2
65	62,7	139	102	177,8	105	4	19,1	139,7	133	178	174	G 1/4"	74	0,44	5,9	5,3	3,7
80	78,0	173	126	190,3	127	4	19,1	152,4	173	221	217	G 1/4"	90	0,88	8,1	7,1	4,8
100	102,4	203	146	228,6	157	8	19,1	190,5	224	272	268	G 1/4"	107	1,80	13,4	9,3	7,4
125	121,0	252	184	254,0	185	8	22,5	215,9	286	334	-	G 1/4"	130	2,7	25,0	-	-
150	154,1	301	257	279,4	215	8	22,5	241,3	356	406,8	-	G 1/4"	155	6,95	36,5	-	-

* N. fori / Number of holes
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve
[2+3] Le madrevite (M16) per il montaggio della conicht eilig sein / Screw nuts (M16) for assembling counter flange are non-rotatable at Pinch Valve body

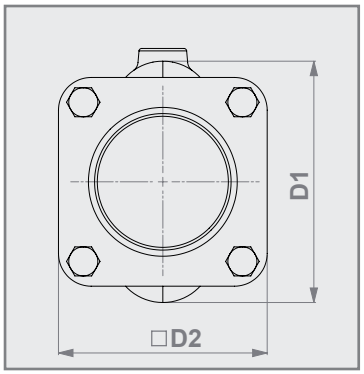
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Valvola a manicotto pneumatica - Filettatura interna (G/N)

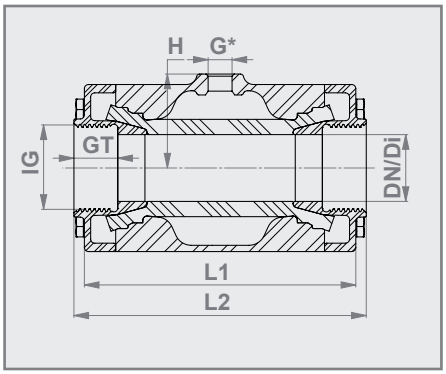
Air operated Pinch Valve - Internal Thread connection (G/N)



DN10 - DN50



DN65 - DN100



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a filettatura interna secondo
DIN EN ISO 228 "G" o
ANSI/ASME B1.20.1 "NPT"

Connection type:
Internal Thread Connection according to
DIN EN ISO 228 "G" or
ANSI/ASME B1.20.1 "NPT"

Corpo:
DN 10-100: Acciaio inox 1.4408 (E)
DN 20-100: Alluminio AlSi10Mg (A)
DN 10-15: Plastica POM (P) bianco
DN 10-15: Plastica POM (P) antistatico

Body:
DN 10-100: Stainless steel 1.4408 (E)
DN 20-100: Aluminum AlSi10Mg (A)
DN 10-15: Plastic POM (P) natural white
DN 10-15: Plastic POM (P) conductive

Tappo filettato:
DN 10-100: Acciaio inox 1.4404 (E)
DN 20-50: Plastica POM (P) bianco, per una applicazione alimentare
DN 20-50: Plastica POM (P) antistatico per aree a rischio di esplosione

(Internal Thread) Socket ends:
DN 10-100: Stainless steel 1.4404 (E)
DN 20-50: Plastic POM (P) natural white
DN 20-50: Plastic POM (P) conductive for harzadous areas

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 / DN65-100 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 / DN65-100 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN / Di (mm)	D1 (mm)	D2 (mm)	IG (inch)	GT (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (AP)	Peso weight (kg) (PE)
10	46	35	G⅜"	12	68	80	G 1/8"	23	0,03	0,5	-	-	0,2
15	56	47	G½"	15	85	95	G 1/8"	28	0,05	0,8	-	-	0,4
20	62	49	G¾"	17	93	103	G 1/8"	32	0,07	0,9	0,5	0,4	-
25	72	57	G1"	20	110	120	G 1/8"	37	0,09	1,3	0,8	0,5	-
32	80	66	G1¼"	21	130	140	G 1/4"	45	0,13	1,7	1,1	0,7	-
40	90	77	G1½"	21	150	160*	G 1/4"	50	0,22	2,4	1,5	0,9	-
50	110	88	G2"	25	175	185	G 1/4"	60	0,36	3,6	2,2	1,6	-
65	139	115	G2½"	30	173	200	G 1/4"	74	0,44	4,0	3,0	-	-
80	173	133	G3"	33	213	230	G 1/4"	90	0,88	5,6	4,4	-	-
100	203	156	G4"	20	264	280	G 1/4"	107	1,80	11,0	6,6	-	-

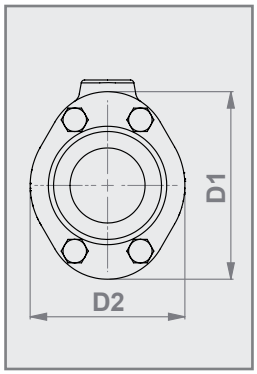
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve
* In alternativa è disponibile la nostra versione K → Lunghezza di ingombro = 150 mm / Alternatively available is our K-variant → length = 150mm

Riserva di modifiche tecniche. Technical details subject to change without notice.

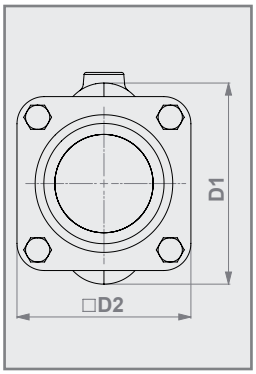
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Valvola a manicotto pneumatica - Triclamp (T)

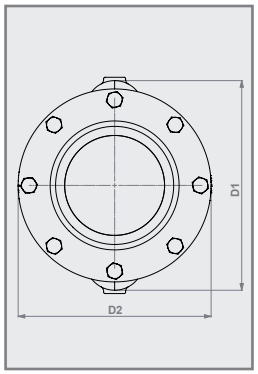
Air operated Pinch Valve - Tri-Clamp connection (T)



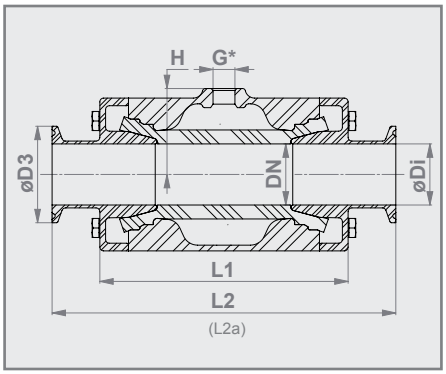
DN10 - DN50



DN65 - DN100



DN125-DN150



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Triclamp secondo DIN 32676
DIN 11853-3 (BKS) (L2a) su richiesta

Connection type:
Tri-Clamp according to DIN 32676 row A
DIN 11853-3 (BKS) (L2a) on request

Corpo:
DN 10-150: Acciaio inox 1.4408 (E)
DN 20-100: Alluminio AlSi10Mg (A)
DN 10-15: Plastica POM (P) bianco
DN 10-15: Plastica POM (P) antistatico

Body:
DN 10-150: Stainless steel 1.4408 (E)
DN 20-100: Aluminum AlSi10Mg (A)
DN 10-15: Plastic POM (P) natural white
DN 10-15: Plastic POM (P) conductive

Raccordo a morsetto presa / Triclamp:
DN 10-150: Acciaio inox 1.4404 (E)

Tri-Clamp Connection:
DN 10-150: Stainless steel 1.4404 (E)

Lunghezza d'ingombro valvola:
DN 10: Secondo DIN EN 558 serie 27
DN 15-50: Secondo DIN EN 558 serie 1
DN 65-100: Secondo DIN EN 558 serie 7

Valve face to face length:
DN 10: Acc. to DIN EN 558 row 27
DN 15-50: Acc. to DIN EN 558 row 1
DN 65-100: Acc. to DIN EN 558 row 7

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 / DN65-125 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 / DN65-125 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2a (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (PE)
10	10	46	35	34	68	115	159	G 1/8"	23	0,03	0,5	-	0,3
15	16	56	47	34	85	130	184	G 1/8"	28	0,05	0,9	-	0,5
20	20	62	49	34	93	150	196	G 1/8"	32	0,07	1,0	0,6	-
25	26	72	57	50,50	110	160	209	G 1/8"	37	0,09	1,5	1,0	-
32	32	80	66	50,50	130	180	226	G 1/4"	45	0,13	1,9	1,3	-
40	38	90	77	50,50	150	200	238	G 1/4"	50	0,22	2,6	1,7	-
50	50	110	88	64	175	230	265	G 1/4"	60	0,36	3,9	2,5	-
65	66	139	115	91	173	216	269	G 1/4"	74	0,44	4,3	3,3	-
80	81	173	133	106	213	254	311	G 1/4"	90	0,88	6,2	4,8	-
100	100	203	156	119	264	305	365	G 1/4"	107	1,80	11,4	7,3	-
125	120	252	184	155	330	390	-	G 1/4"	130	2,7	25,7	-	-
150	150	301	257	183	406	466	-	G 1/4"	155	6,95	36,7	-	-

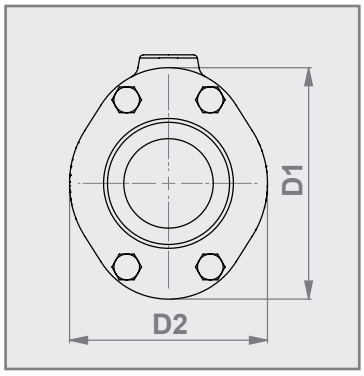
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

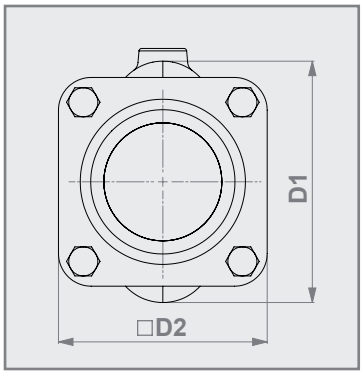
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Valvola a manicotto pneumatica - Triclamp (TA)

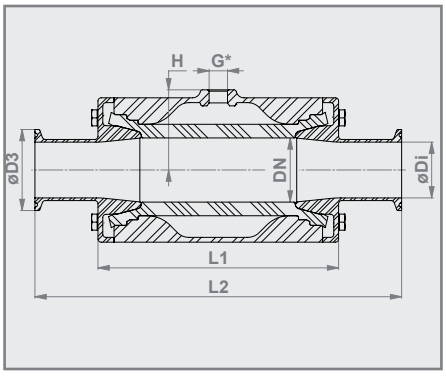
Air operated Pinch Valve - Tri-Clamp connection (TA)



DN10 - DN50



DN65 - DN100



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Triclamp secondo DIN 32676 Serie C

Connection type:
Tri-Clamp according to DIN 32676 row C

Corpo:
DN 10-100: Acciaio inox 1.4408 (E)
DN 20-100: Alluminio AlSi10Mg (A)
DN 10-15: Plastica POM (P) bianco
DN 10-15: Plastica POM (P) antistatico

Body:
DN 10-100: Stainless steel 1.4408 (E)
DN 20-100: Aluminum AlSi10Mg (A)
DN 10-15: Plastic POM (P) natural white
DN 10-15: Plastic POM (P) conductive

Raccordo a morsetto presa / Triclamp:
DN 10-100: Acciaio inox 1.4404 (E)

Tri-Clamp Connection:
DN 10-100: Stainless steel 1.4404 (E)

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 / DN65-100 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 / DN65-100 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2 (inch)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (PE)
10	7,75	46	35	25	68	114,3	4,5	G 1/8"	23	0,03	0,5	-	0,3
15	9,4	56	47	25	85	139,7	5,5	G 1/8"	28	0,05	0,8	-	0,4
20	15,75	62	49	25	93	152,4	6	G 1/8"	32	0,07	1,0	0,6	-
25	22,10	72	57	50,50	110	152,4	6	G 1/8"	37	0,09	1,5	1,0	-
40	34,8	90	77	50,50	150	228,6	9	G 1/4"	50	0,22	2,7	1,9	-
50	47,50	110	88	64	175	228,6	9	G 1/4"	60	0,36	4,0	2,6	-
65	60,20	139	115	77,50	173	228,6	9	G 1/4"	74	0,44	4,6	3,9	-
80	72,90	173	133	91	213	304,8	12	G 1/4"	90	0,88	6,4	5,3	-
100	97,38	203	156	119	264	355,6	14	G 1/4"	107	1,80	11,7	7,7	-

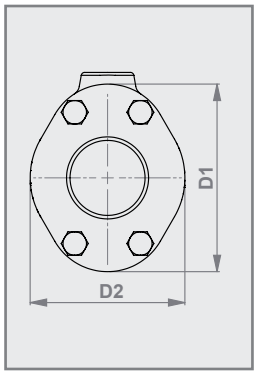
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

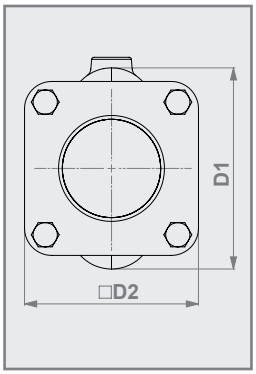
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Valvola a manicotto pneumatica - Raccordo a saldare (R)

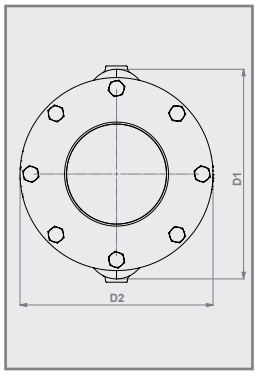
Air operated Pinch Valve - Weld-on ends (R)



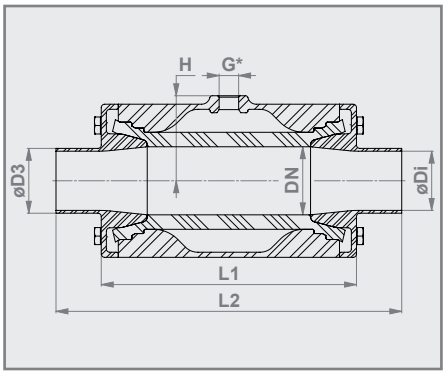
DN10 - DN50



DN65 - DN100



DN125-DN150



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a saldare secondo DIN EN 10357 Serie A
(DIN 11850 fila 2)

Connection type:
Weld-on ends according to DIN EN 10357 Series A
(formerly DIN 11850 row 2)

Corpo:

DN 10-150:	Acciaio inox 1.4408 (E)
DN 20-100:	Alluminio AlSi10Mg (A)
DN 10-15:	Plastica POM (P) bianco
DN 10-15:	Plastica POM (P) antistatico Ex

Body:

DN 10-150:	Stainless steel 1.4408 (E)
DN 20-100:	Aluminum AlSi10Mg (A)
DN 10-15:	Plastic POM (P) natural white
DN 10-15:	Plastic POM (P) conductive Ex

Raccordo a saldare:
DN 10-150: Acciaio inox 1.4404 (E)

Weld-on ends:
DN 10-150: Stainless steel 1.4404 (E)

Lunghezza d'ingombro valvola:

DN 10:	Secondo DIN EN 558 serie 27
DN 15-50:	Secondo DIN EN 12982 serie 61
DN 65-125:	Secondo DIN EN 558 serie 7

Valve face to face length:

DN 10:	Acc. to DIN EN 558 row 27
DN 15-50:	Acc. to DIN EN 12982 row 61
DN 65-125:	Acc. to DIN EN 558 row 7

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-125 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 /
DN65-125 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (PE)
10	10	46	35	13x1,5	68	115	G 1/8"	23	0,03	0,5	-	0,3
15	16	56	47	19x1,5	85	140	G 1/8"	28	0,05	0,8	-	0,5
20	20	62	49	23x1,5	93	152	G 1/8"	32	0,07	1,0	0,6	-
25	26	72	57	29x1,5	110	165	G 1/8"	37	0,09	1,4	0,9	-
32	32	80	66	35x1,5	130	178	G 1/4"	45	0,13	1,9	1,2	-
40	38	90	77	41x1,5	150	190	G 1/4"	50	0,22	2,5	1,6	-
50	50	110	88	53x1,5	175	216	G 1/4"	60	0,36	3,8	2,5	-
65	66	139	115	70x2	173	216	G 1/4"	74	0,44	4,2	3,2	-
80	81	173	133	85x2	213	254	G 1/4"	90	0,88	6,0	4,6	-
100	100	203	156	104x2	264	305	G 1/4"	107	1,80	11,3	7,2	-
125	125	252	184	129x2	330	356	G 1/4"	130	2,70	24,6	-	-
150	150	301	257	154x2	406	436	G 1/4"	155	6,95	35,5	-	-

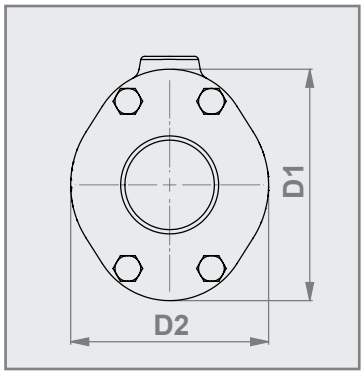
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

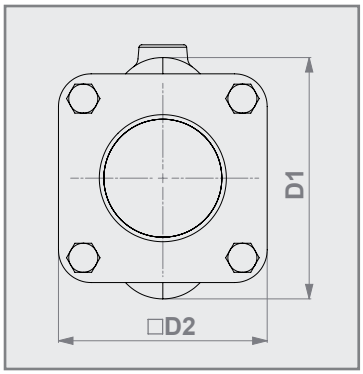
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Valvola a manicotto pneumatica - Raccordo a saldare (RA)

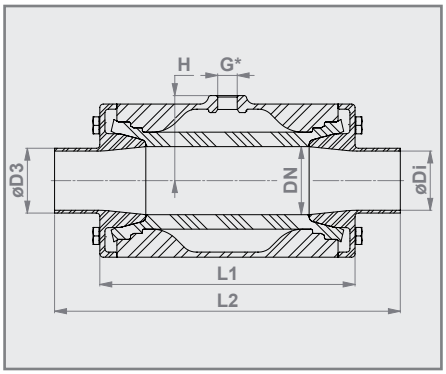
Air operated Pinch Valve - Weld-on ends (RA)



DN10 - DN50



DN65 - DN100



Vista esemplificativa / Exempl. view (DN10 - DN50)

* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a saldare secondo ASTM A554

Connection type:
Weld-on ends according to ASTM A554

Corpo:
DN 10-100: Acciaio inox 1.4408 (E)
DN 20-100: Alluminio AlSi10Mg (A)
DN 10-15: Plastica POM (P) bianco
DN 10-15: Plastica POM (P) antistatico

Body:
DN 10-100: Stainless steel 1.4408 (E)
DN 20-100: Aluminum AlSi10Mg (A)
DN 10-15: Plastic POM (P) natural white
DN 10-15: Plastic POM (P) conductive

Raccordo a saldare:
DN 10-100: Acciaio inox 1.4404 (E)

Weld-on ends:
DN 10-100: Stainless steel 1.4404 (E)

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 / DN65-100 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 / DN65-100 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2 (inch)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (PE)
10	7,75	46	35	9,53	68	101,6	4	G 1/8"	23	0,03	0,5	-	0,2
15	9,40	56	47	12,70	85	127,0	5	G 1/8"	28	0,05	0,8	-	0,4
20	15,75	62	49	19,05	93	152,4	6	G 1/8"	32	0,07	1,0	0,6	-
25	22,10	72	57	25,40	110	152,4	6	G 1/8"	37	0,09	1,5	0,9	-
40	34,80	90	77	38,10	150	203,2	8	G 1/4"	50	0,22	2,6	1,7	-
50	47,50	110	88	50,80	175	228,6	9	G 1/4"	60	0,36	3,9	2,5	-
65	60,20	139	115	63,50	173	228,6	9	G 1/4"	74	0,44	4,3	3,5	-
80	72,90	173	133	76,20	213	279,4	11	G 1/4"	90	0,88	6,2	5,1	-
100	97,38	203	156	101,60	264	330,2	13	G 1/4"	107	1,80	11,6	7,5	-

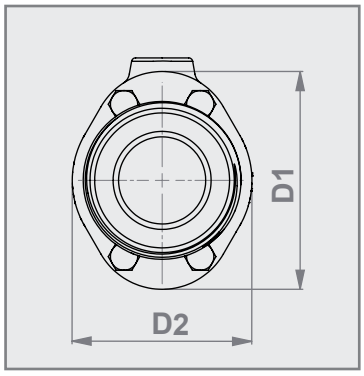
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

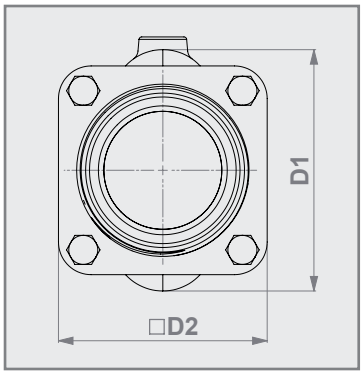
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Valvola a manicotto pneumatica - Raccordo filettato (M)

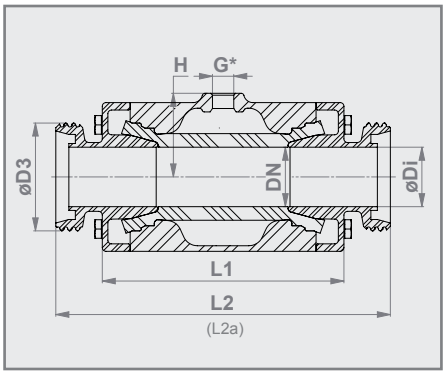
Air operated Pinch Valve - Threaded spigot (M)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Vista esemplificativa / Exempl. view (DN10 - DN50)

Tipo di raccordo:
Raccordo filettato secondo DIN 11851
DIN 11853-1 (GS) (L2a) su richiesta

Connection type:
Threaded spigot according to DIN 11851
DIN 11853-1 (GS) (L2a) on request

Corpo:
DN 10-100: Acciaio inox 1.4408 (E)
DN 20-100: Alluminio AlSi10Mg (A)
DN 10-15: Plastica POM (P) bianco
DN 10-15: Plastica POM (P) antistatico

Body:
DN 10-100: Stainless steel 1.4408 (E)
DN 20-100: Aluminum AlSi10Mg (A)
DN 10-15: Plastic POM (P) natural white
DN 10-15: Plastic POM (P) conductive

Raccordo filettato:
DN 10-100: Acciaio inox 1.4404 (E)

Threaded spigot:
DN 10-100: Stainless steel 1.4404 (E)

Lunghezza d'ingombro valvola:
DN 10: Secondo DIN EN 558 serie 27
DN 15-50: Secondo DIN EN 558 serie 1

Valve face to face length:
DN 10: Acc. to DIN EN 558 row 27
DN 15-50: Acc. to DIN EN 558 row 1

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 / DN65-100 = Ra 0,8. Altri su richiesta.
Alluminio: Rivestimento con poveri 60-80µm RAL9006

Valve finish:
Stainless steel: Electropolished
Wetted parts DN10-50 = Ra 0.5 / DN65-100 = Ra 0.8. Others on request.
Aluminum: Powder coated 60-80µm RAL9006

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	L2a (mm)	[1] Vol. (l) [1] vol. (l) (ca./approx.)	Peso weight (kg) (EE)	Peso weight (kg) (AE)	Peso weight (kg) (PE)
10	10	46	35	Rd28x1/8"	G 1/8"	23	68	115	153	0,03	0,5	-	0,3
15	16	56	47	Rd34x1/8"	G 1/8"	28	85	130	178	0,05	0,9	-	0,5
20	20	62	49	Rd44x1/6"	G 1/8"	32	93	150	194	0,07	1,1	0,7	-
25	26	72	57	Rd52x1/6"	G 1/8"	37	110	160	217	0,09	1,6	1,1	-
32	32	80	66	Rd58x1/6"	G 1/4"	45	130	180	238	0,13	2,1	1,5	-
40	38	90	77	Rd65x1/6"	G 1/4"	50	150	200	252	0,22	2,8	1,9	-
50	50	110	88	Rd78x1/6"	G 1/4"	60	175	230	278	0,36	4,2	2,9	-
65	66	139	115	Rd95x1/6"	G 1/4"	74	173	296	288	0,44	4,8	4,1	-
80	81	173	133	Rd110x1/4"	G 1/4"	90	213	344	338	0,88	6,8	5,7	-
100	100	203	156	Rd130x1/4"	G 1/4"	107	264	413	405	1,80	12,6	8,5	-

[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

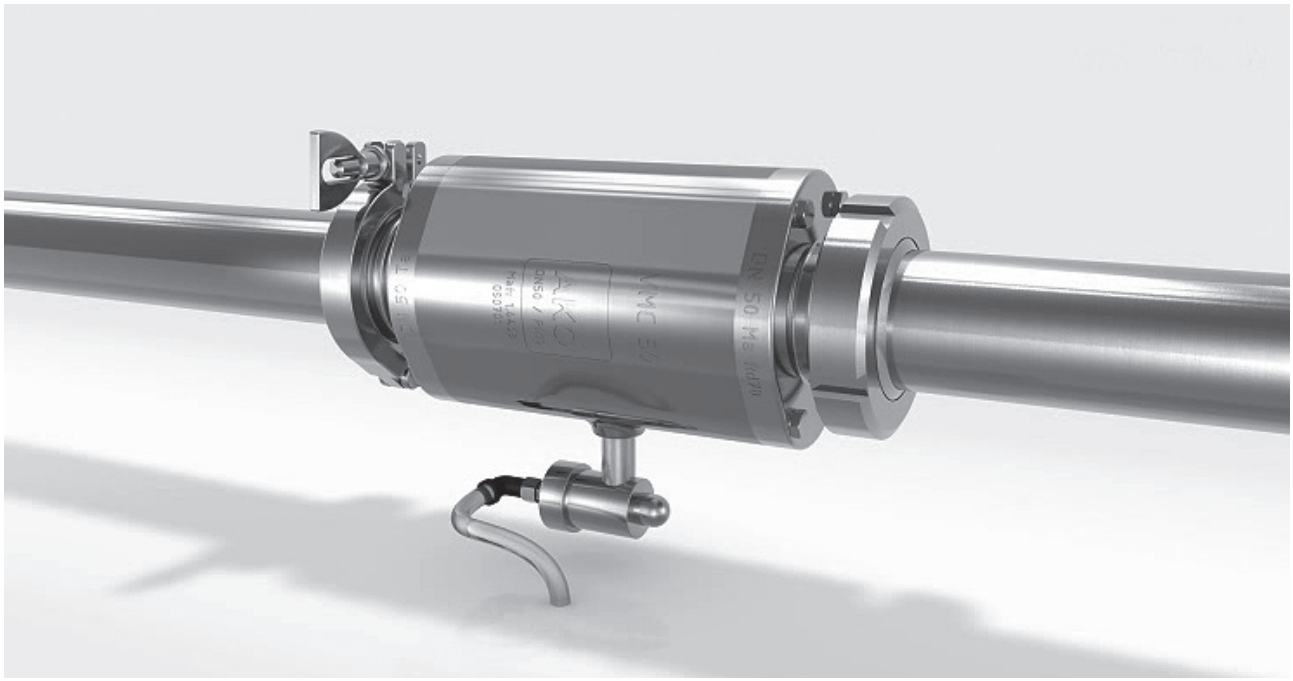
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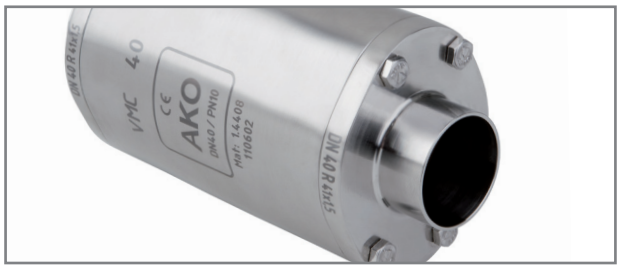
(Traduzione / Translation)

certificazione EHEDG

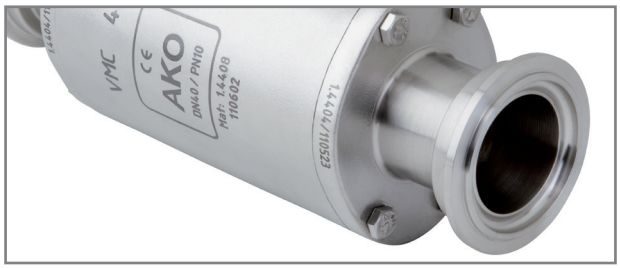
Valvole a manicotto asettiche e igieniche Serie VMCE

Aseptic and hygienic Pinch Valves of VMCE series





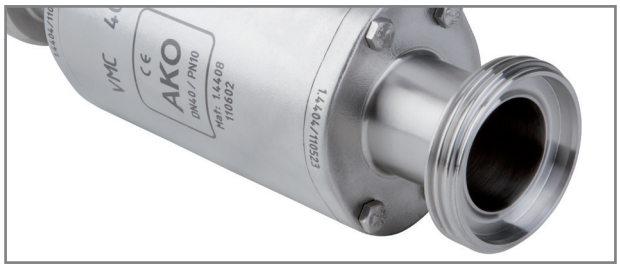
Raccordo a saldare/Weld-on end



Tri-Clamp



Flange



Raccordo filettato /Threaded spigot

Il sistema modulare flessibil

Esecuzione asettica per processi igienici sicuri

Copriraccordo:

- Raccordo a saldare
- Flange
- Triclamp
- Raccordo filettato

The flexible modular system

Aseptic design for hygienic safe processes

Connections:

- Weld-on ends
- Flange
- Tri-Clamp
- Threaded Spigot (RJT)

Valvola a manicotto pneumatica Serie VMCE

Air operated Pinch Valve VMCE series

Le nuove valvole a manicotto asettiche e igieniche della serie VMCE di AKO seducono per il loro design igienico.

L'eccezionale pulibilità, un sistema modulare flessibile, così come la lunga durata dei manicotti sono solo alcuni dei numerosi vantaggi che forniscono queste valvole a manicotto.

Montate all'interno della tubazione, esse possono essere utilizzate per svolgere una funzione di intercettazione "aperto-chiuso" a perfetta tenuta stagna oppure, in combinazione con una valvola proporzionale elettropneumatica, per la regolazione o il dosaggio grossolani di un flusso di prodotto.

Le valvole a manicotto pneumatiche della serie VMCE sono disponibili nei diametri nominali DN10-100.

Ex Sono inoltre disponibili speciali modelli conduttori con apposita messa a terra, che sono adatti per l'impiego in aree Ex delle zone 0, 1, 2, 20, 21 e 22.

The new AKO aseptic Pinch Valves of Series VMCE captivate by their sanitary design.

Excellent cleanability, a flexible modular system, as well as the longevity of the pinch valve sleeve are only three of the advantages of this Pinch Valve Series.

Installed in pipes, they take either an absolutely tight open-close shut-off function or can be used with the help of an electro-pneumatic proportional valve for coarse control or dosage of a product stream.

The air operated Pinch Valves Series VMCE are available in nominal sizes DN10-100.

Ex Special, conductive models with a separate grounding system, suitable for use in areas at risk of explosions (Ex) in zones 0, 1, 2, 20, 21 and 22, are also available.

Certificazione EHEDG

Le nuove valvole a manicotto si contraddistinguono perun

- design facile da pulire (compatibile **CIP**),
- sterilizzabile (compatibile **SIP**) e a
- prova di batteri

secondo la certificazione **EHEDG, tipo EL classe I** e **tipo EL asettico classe I**.

Le valvole a manicotto VMCE sono inoltre raschiabili (compatibili **RIP**).

Pressione d'esercizio/ del liquido max: ~ 6 bar
Pressione di comando/ chiusura max: 8 bar
Pressione differenziale: 2-2,5 bar
Variabile a seconda del diametro nominale

Le valvole a manicotto pneumatiche della serie VMCE rispondono a tutti i requisiti posti dalla norma sugli apparecchi a pressione PED 2014/68/EU.

EHEDG certified

The new pinch valves are characterized by an

- easy-to-clean (**CIP**),
- sterilizable (**SIP**-capable), and
- bacteria-tight design

in accordance with **EHEDG certification type EL Class I** and **Type EL ASEPTIC Class I.**

Furthermore, the VMCE pinch valves are piggable (**RIP**).

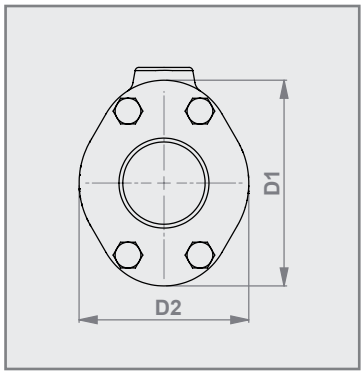
Operating / medium pressure max.: ~ 6 bar
Control / closing pressure max.: 8 bar
Differential pressure: 2-2.5 bar
varies depending on diameter

The air operated Pinch Valves of VMCE series fulfill all requirements of the Pressure Equipment Directive 2014/68/EU.

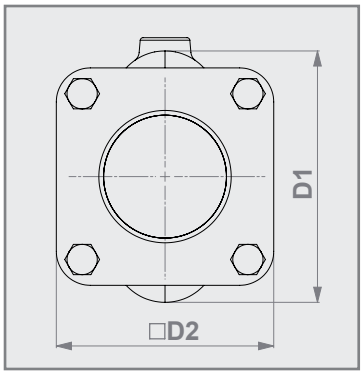
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Valvola a manicotto pneumatica - Raccordo a saldare (R)

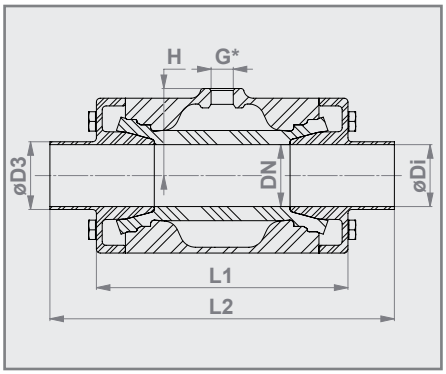
Air operated Pinch Valve - Weld-on ends (R)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a saldare secondo DIN EN 10357 Serie A
(DIN 11850 Serie 2)

Connection type:
Weld-on ends according to DIN EN 10357 Series A (formerly DIN 11850 row 2)

Corpo:
Acciaio inox 1.4408

Body:
Stainless steel 1.4408

Raccordo a saldare:
Acciaio inox 1.4404

Weld-on ends:
Stainless steel 1.4404

Manicotti:
EPDM

Sleeve:
EPDM



Lunghezza d'ingombro valvola:

DN10:	Secondo DIN EN 558 serie 27
DN15-50:	Secondo DIN EN 12982 serie 61
DN65-100:	Secondo DIN EN 558 serie 7

Valve face to face length:

DN 10:	Acc. to DIN EN 558 row 27
DN 15-50:	Acc. to DIN EN 12982 row 61
DN 65-100:	Acc. to DIN EN 558 row 7

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.

Valve finish:
Stainless steel: Electropolished matt
Wetted parts DN10-50 = Ra 0.5
DN65-100 = Ra 0.8. Others on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg)
10	10	46	35	13x1,5	68	115	G 1/8"	23	0,03	0,5
15	16	56	47	19x1,5	85	140	G 1/8"	28	0,05	0,8
20	20	62	49	23x1,5	93	152	G 1/8"	32	0,07	1,0
25	26	72	57	29x1,5	110	165	G 1/8"	37	0,09	1,4
32	32	80	66	35x1,5	130	178	G 1/4"	45	0,13	1,9
40	38	90	77	41x1,5	150	190	G 1/4"	50	0,22	2,5
50	50	110	88	53x1,5	175	216	G 1/4"	60	0,36	3,8
65	66	133	115	70x2	173	216	G 1/4"	74	0,44	4,2
80	81	166	133	85x2	213	254	G 1/4"	90	0,88	6,0
100	100	203	156	104x2	264	305	G 1/4"	107	1,80	11,3

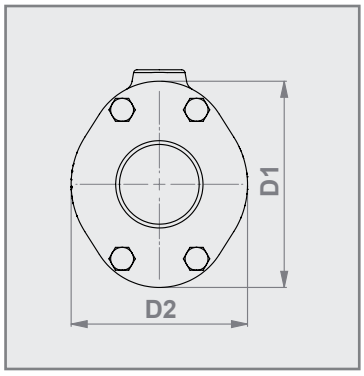
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

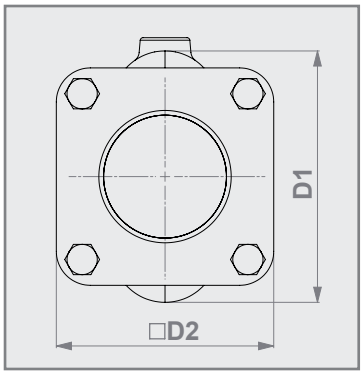
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Valvola a manicotto pneumatica - Raccordo a saldare (RA)

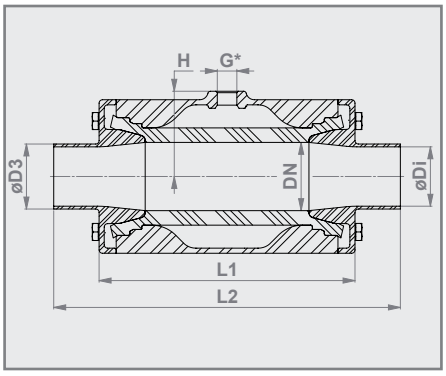
Air operated Pinch Valve - Weld-on ends (RA)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a saldare secondo ASTM A554

Connection type:
Weld-on ends according to ASTM A554

Corpo:
Acciaio inox 1.4408

Raccordo a saldare:
Acciaio inox 1.4404



Manicotti:
EPDM

Body:
Stainless steel 1.4408

Weld-on ends:
Stainless steel 1.4404

Sleeve:
EPDM

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.

Valve finish:
Stainless steel: Electropolished matt
Wetted parts DN10-50 = Ra 0.5
DN65-100 = Ra 0.8. Others on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2 (inch)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg)
10	7,75	46	35	9,53	68	101,6	4	G 1/8"	23	0,03	0,5
15	9,40	56	47	12,70	85	127,0	5	G 1/8"	28	0,05	0,8
20	15,75	62	49	19,05	93	152,4	6	G 1/8"	32	0,07	1,0
25	22,10	72	57	25,40	110	152,4	6	G 1/8"	37	0,09	1,5
40	34,80	90	77	38,10	150	203,2	8	G 1/4"	50	0,22	2,6
50	47,50	110	88	50,80	175	228,6	9	G 1/4"	60	0,36	3,9
65	60,20	133	115	63,50	173	228,6	9	G 1/4"	74	0,44	4,3
80	72,90	166	133	76,20	213	279,4	11	G 1/4"	90	0,88	6,2
100	97,38	203	156	101,60	264	330,2	13	G 1/4"	107	1,80	11,6

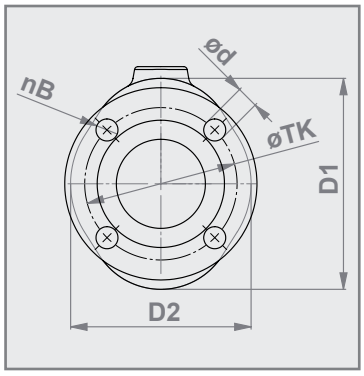
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

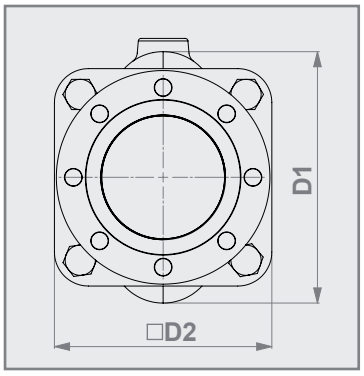
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Valvola a manicotto pneumatica - Flange (RF)

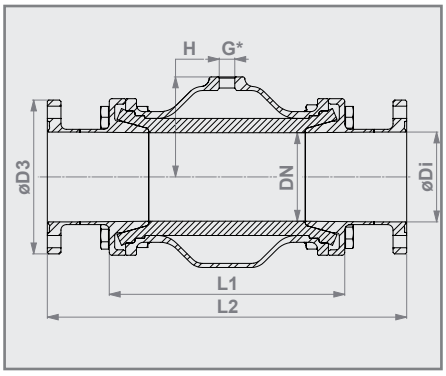
Air operated Pinch Valve - Flange (RF)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a flangia secondo
DIN 11853-2 (BF)
DIN 11864-2 Form A (BF) (DN40-50)

Connection type:
Flange connection according to
DIN 11853-2 (BF)
DIN 11864-2 form A (BF) (DN40-50)

Corpo:
Acciaio inox 1.4408

Body:
Stainless steel 1.4408

Flange:
Acciaio inox 1.4404

Flange:
Stainless steel 1.4404



Manicotti:
EPDM

Sleeve:
EPDM

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.

Valve finish:
Stainless steel: Electropolished matt
Wetted parts DN10-50 = Ra 0.5
DN65-100 = Ra 0.8. Others on request.

DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	* nB	ø d (mm)	ø TK (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg)
10	10	46	35	54	4	9	37	68	163	G 1/8"	23	0,03	0,9
15	16	56	47	59	4	9	42	85	188	G 1/8"	28	0,05	1,2
20	20	62	49	64	4	9	47	93	200	G 1/8"	32	0,07	1,5
25	26	72	57	70	4	9	53	110	213	G 1/8"	37	0,09	2,0
32	32	80	66	76	4	9	59	130	226	G 1/4"	45	0,13	2,5
40	38	90	77	82	4	9	65	150	280	G 1/4"	50	0,22	3,2
50	50	110	88	94	4	9	77	175	306	G 1/4"	60	0,36	4,7
65	66	133	115	113	8	9	95	173	264	G 1/4"	74	0,44	5,5
80	81	166	133	133	8	11	112	213	306	G 1/4"	90	0,88	7,9
100	100	203	156	159	8	11	137	264	357	G 1/4"	107	1,80	14,2

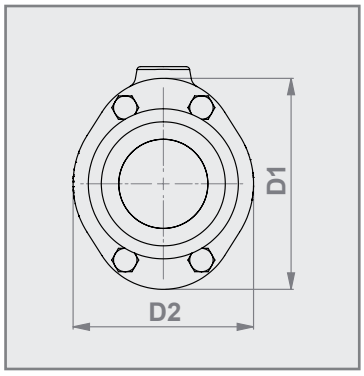
* N. fori / Number of holes
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

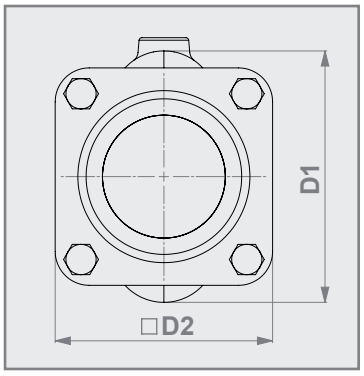
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Valvola a manicotto pneumatica - Triclamp (RT)

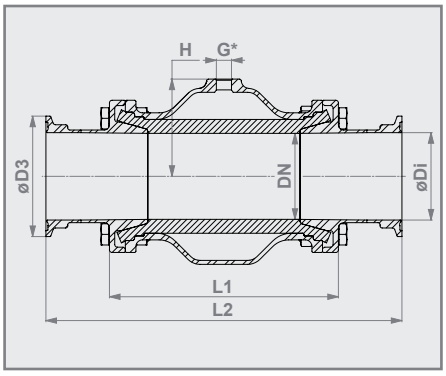
Air operated Pinch Valve - Tri-Clamp connection (RT)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Tipo di raccordo:
Triclamp secondo
DIN 11853-3 (BKS)

Connection type:
Tri-Clamp according
DIN 11853-3 (BKS)

Corpo:
Acciaio inox 1.4408

Body:
Stainless steel 1.4408

Triclamp:
Acciaio inox 1.4404

Tri-Clamp Connection:
Stainless steel 1.4404

Manicotti:
EPDM

Sleeve:
EPDM



Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.

Valve finish:
Stainless steel: Electropolished matt
Wetted parts DN10-50 = Ra 0.5
DN65-100 = Ra 0.8. Others on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	[1]Vol. (l) (ca./approx.)	Peso weight (kg)
10	10	46	35	34	68	159	G 1/8"	23	0,03	0,6
15	16	56	47	34	85	184	G 1/8"	28	0,05	0,9
20	20	62	49	50,5	93	196	G 1/8"	32	0,07	1,3
25	26	72	57	50,5	110	209	G 1/8"	37	0,09	1,7
32	32	80	66	50,5	130	226	G 1/4"	45	0,13	2,4
40	38	90	77	64	150	238	G 1/4"	50	0,22	3,0
50	50	110	88	77,5	175	265	G 1/4"	60	0,36	4,4
65	66	133	115	91	173	269	G 1/4"	74	0,44	5,0
80	81	166	133	106	213	311	G 1/4"	90	0,88	7,0
100	100	203	156	130	264	365	G 1/4"	107	1,80	13,0

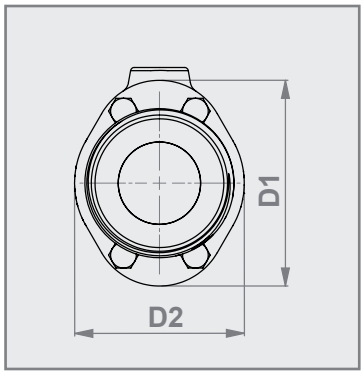
[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

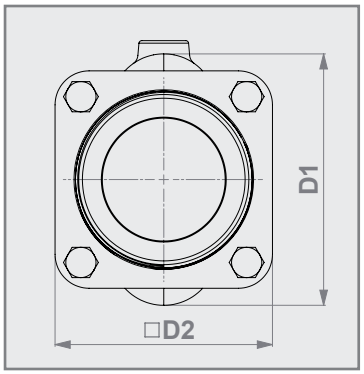
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Valvola a manicotto pneumatica - Raccordo a filettato (RM)

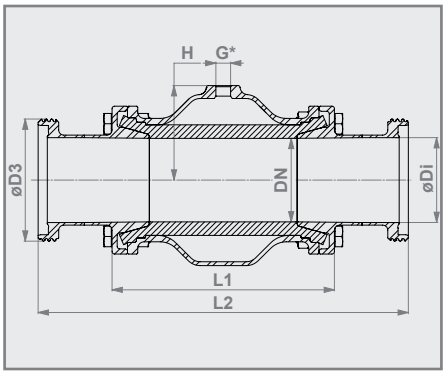
Air operated Pinch Valve - Threaded spigot (RM)



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Tipo di raccordo:
Raccordo a saldare
DIN 11853-1 (GS)

Connection type:
Threaded spigot according
DIN 11853-1 (GS)



Corpo:
Acciaio inox 1.4408

Body:
Stainless steel 1.4408

Raccordo filettato:
Acciaio inox 1.4404

Threaded spigot:
Stainless steel 1.4404

Manicotti:
EPDM

Sleeve:
EPDM

Superficie valvola:
Acciaio inox: Elettrolucidata opaca
Pezzi in contatto con il prodotto DN10-50 = Ra 0,5 /
DN65-100 = Ra 0,8. Altri su richiesta.

Valve finish:
Stainless steel: Electropolished matt
Wetted parts DN10-50 = Ra 0.5
DN65-100 = Ra 0.8. Others on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	[1] Vol. (l) (ca./approx.)	Peso weight (kg)
10	10	46	35	Rd28x1/8"	G 1/8"	23	68	153	0,03	0,6
15	16	56	47	Rd34x1/8"	G 1/8"	28	85	178	0,05	1,0
20	20	62	49	Rd44x1/6"	G 1/8"	32	93	194	0,07	1,2
25	26	72	57	Rd52x1/6"	G 1/8"	37	110	217	0,09	1,8
32	32	80	66	Rd58x1/6"	G 1/4"	45	130	238	0,13	2,3
40	38	90	77	Rd65x1/6"	G 1/4"	50	150	252	0,22	3,0
50	50	110	88	Rd78x1/6"	G 1/4"	60	175	278	0,36	4,4
65	66	133	115	Rd95x1/6"	G 1/4"	74	173	288	0,44	5,2
80	81	166	133	Rd110x1/4"	G 1/4"	90	213	338	0,88	7,4
100	100	203	156	Rd130x1/4"	G 1/4"	107	264	405	1,80	13,0

[1] Volume = quantita' d'aria in posizione die valvola chiusa / Volume = Control volume with closed sleeve

Riserva di modifiche tecniche. Technical details subject to change without notice.

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(Traduzione / Translation)

Valvole pneumatica a manicotto Serie VMP-Compact

Air operated Pinch Valves of VMP-Compact Series





DN10 - DN15



DN20 - DN25



DN32 - DN50

Affidabile e economica!

La soluzione valvola-compact per i prodotti abrasivi, liquidi, polveri, granulati, ecc.

Vantaggi:

- Estremamente compatta
- Peso ridotto del 25%
- Conformita' alimentare
- Modello con protezione antiesplosione
- Eccellente resistenza ai raggi UV
- Passagigio pieno
- Ottima tenuta
- Nessuna infiltrazione
- Sostituzione semplice del manicotto

Reliable and cost-effective!

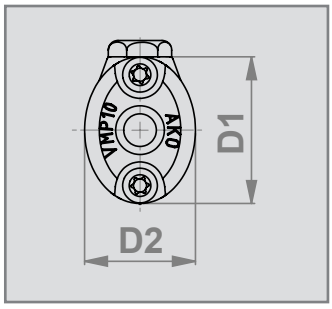
The compact valve solution for the shut off. For example dust, granule, powder, suspension, sewage, air venting etc.

Advantages:

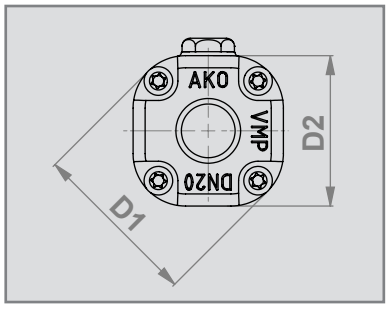
- Extremely compact
- Weight reduced by 25%
- Suitable for food applications
- Explosion protected design
- Excellent weather resistance
- Complete free passage
- No plugging
- 100% tight shut off
- Easy maintenance and re-sleeving

Valvole pneumatica a manicotto - Raccordo a filettatura interna

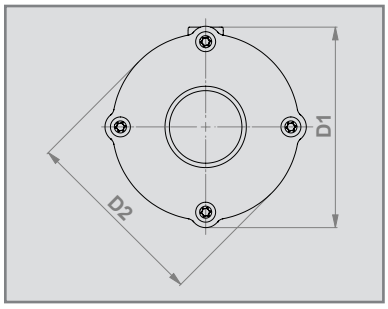
Air operated Pinch Valves - Internal Thread Connection



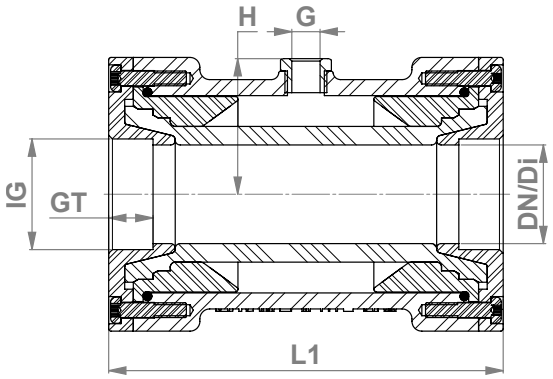
DN10 - DN15



DN20 - DN25



DN32 - DN50



Applicazioni:
Trasporto pneumatico / Pigmenti e granulati / Industria di ceramica/ vetro/ plastica / Industria farmaceutica e alimentare / Dosaggio e pesatura / Impianti di aspirazione

Industrial areas:
Pneumatic conveying systems / pigments and granules/ ceramics/glass/plastic industry / pharmaceutical/food industry / extraction systems / dosing systems / filling and weighing systems / air venting systems

DN/Di (mm)	IG (inch)	GT (mm)	L1 (mm)	D1 (mm)	D2 (mm)	G (inch)	H (mm)	PS max. (bar)	Vite screws	volume (ml)* (ca./approx.)	Peso** weight** (kg)
10	G ⅜"	12	80	45	34	G ⅛"	27,5	6,0	4	15	0,12
15	G ½"	14	95	55	46	G ⅛"	32,5	6,0	4	25	0,31
20	G ¾"	17	103	63	56	G ⅛"	34,5	6,0	8	40	0,31
25	G 1"	17	120	75	70	G ⅛"	40,0	6,0	8	80	0,50
32	G 1¼"	18	135	98	90	G ¼"	48,0	4,5	8	150	0,66
40	G 1½"	18	160	111	103	G ¼"	55,0	4,5	8	300	0,97
50	G 2"	24	170	130	120	G ¼"	64,0	4,0	12	450	1,50

* Volumen = Steuermediumsvolumen bei geschlossener Manschette / Volume = Control volume with closed sleeve
** peso per valvole VMP con coperchio di acciaio inox: DN10=0,3 / DN15=0,4kg / weight for VMP valves w/stainless steel socket: DN10=0,3 / DN15=0,4kg

Tipo di raccordo:
Filettatura interna (DIN ISO 228) o NPT, altri tipi su richiesta.

Connection type:
Internal Thread (DIN ISO 228) or NPT, others on request.

Materiali Corpo / raccordo filettato:

POM bianco	per una applicazione alimentare
POM nero	eccellente per applicazioni esterne
POM antistatico	per aree a rischio di esplosione

****Per il diametro DN 10 + 15 sono disponibili raccordi filettati in acciaio inox (1.4404).*

Body / socket ends***

POM natural white	FDA approved
POM black	excellent weather resistance
POM conductive	for areas at risk of explosions

****Stainless steel (1.4404) socket end covers available in nominal diameter 10+15.*

Manicotti:
Gomma naturale (NR) antiabrasiva, NR alimentare, EPDM, NBR, IIR, CR, altri tipi su richiesta.

Sleeves:
Natural rubber (NR) anti-abrasive, NR food quality, EPDM, NBR, CSM, IIR, CR (neoprene), others on request.

Riserva di modifiche tecniche.

Technical details subject to change without notice.

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