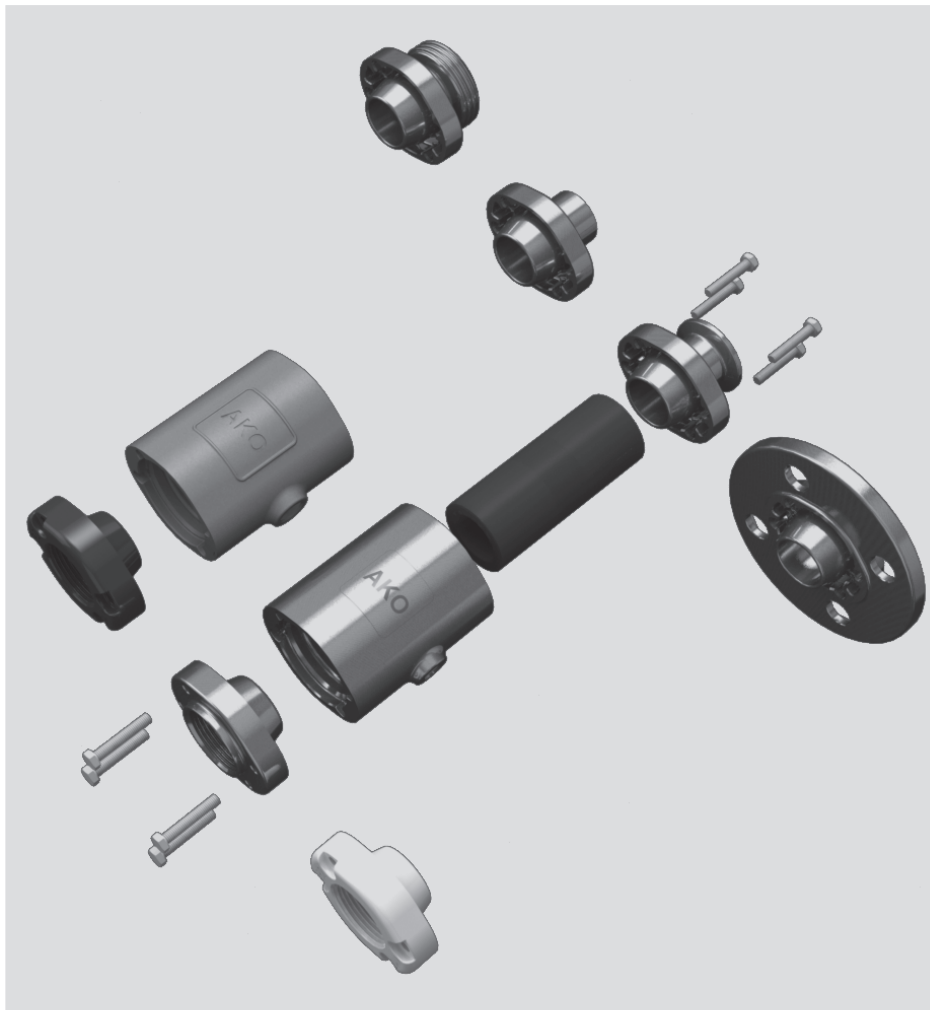


New!

Air operated Pinch Valve type VMC



Flansch / Flange



Internal Thread



Tri-Clamp



Weld-on ends



Threaded spigot

 **The flexible modular system for solvable 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



AKO UK Ltd.

13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

Air operated Pinch Valve type VMC

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
- etc.

Connections with various aseptic connections available!

Connection options:

- Flange Connection
- Internal Thread Connection G / NPT
- Tri-Clamp
- Weld-on ends
- Threaded spigot (RJT Connection)



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

The air operated Pinch Valves of VMC series fulfil all requirements of the Pressure Equipment Directive 97/23/EC.

Body:

Stainless steel 1.4408
 Aluminium AlSi10Mg
 Plastic POM

Socket Connection:

Stainless steel 1.4404
 Plastic POM

Sleeves:

Natural rubber antiabrasive, EPDM, Nitrile, Hypalon, Neoprene, Silicone, Viton
 Other materials on request.

Sleeves (FDA approved)

Natural rubber food quality, EPDM food quality, Nitrile food quality

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

Control / closing pressure max.: 8 bar
 varies depending on diameter / sleeve

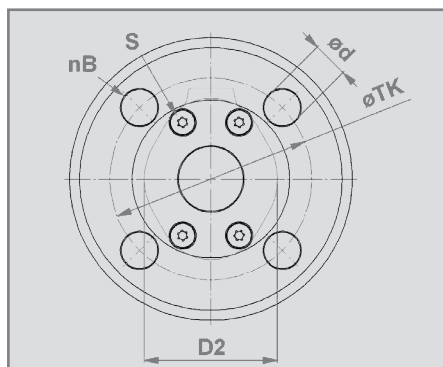
Technical details subject to change without notice.

AKO UK Ltd.

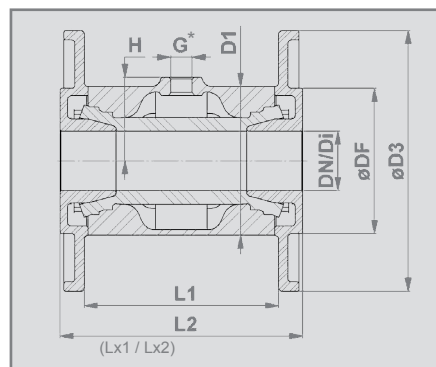
13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

Air operated Pinch Valve - Flange connection



DN25 - DN50



* DIN EN ISO 228 "G"

Connection type:

Flange connection according to DIN EN 1092-1 PN10/16, **DIN 11853-2 (Lx1) / 11864-2 form A (Lx2)** on request.

Body:

- Stainless steel 1.4408 (E)
- Aluminium AISi10Mg (A)

Flange:

- Stainless steel 1.4404 (E)



Valve finish:

Stainless steel: Electropolished matt

Wetted parts = Ra 0.5

Satin polished (brushed) Ra 0.3 on request.

Aluminium: Powder coated 60-80µm RAL 9006

DN / Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	ø DF (mm)	nB	ø d (mm)	ø TK (mm)	L1 (mm)	L2 (mm)	Lx1 (mm)	Lx2 (mm)	G (inch)	H (mm)	¹ S	² vol. (l) (approx.)	weight (kg) (EE)	weight (kg) (AE)
25	72	57	115	68	4	14	85	96	125	213	218	1/8"	36,5	4x(M6x35)	0,09	2,4	1,9
32	80	66	140	78	4	18	100	104	130	226	241	1/4"	45	8x(M6x35)	0,13	2,9	2,3
40	90	77	150	88	4	18	110	119	155	238	253	1/4"	50	8x(M6x35)	0,22	4,0	3,1
50	110	88	165	106	4	18	125	149	185	264	279	1/4"	60	8x(M6x35)	0,36	5,8	4,4

¹ Number of holes

¹ Mounting screws (stainless steel 1.4401 / AISI 316) according to DIN 7985

² Volume = Control volume with closed sleeve

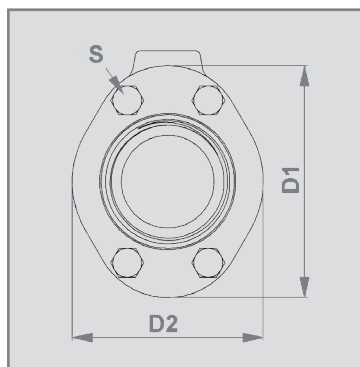
Technical details subject to change without notice.

AKO UK Ltd.

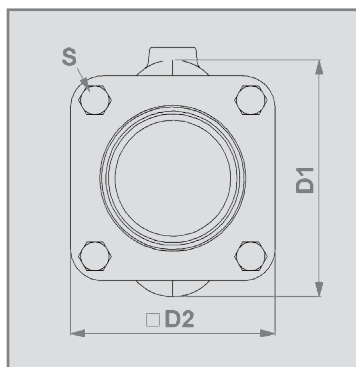
13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

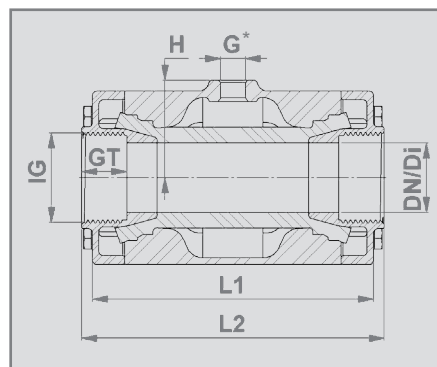
Air operated Pinch Valve - Internal Thread connection



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Connection type:

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

Body:

- DN10-50: Stainless steel 1.4408 (E)
- DN20-50: Aluminium AISi10Mg (A)
- DN10-15: Plastic POM natural white (P)
- DN10-15: Plastic POM conductive (P) 



(Internal Thread) Socket ends:

- DN10-50: Stainless steel 1.4404 (E)
- DN20-50: Plastic POM natural white (P), FDA approved
- DN20-50: Plastic POM conductive (P), for hazardous areas 

Valve finish:

Stainless steel: Electropolished matt

Aluminium: Powder coated 60-80µm RAL 9006

DN / Di (mm)	D1 (mm)	D2 (mm)	IG (inch)	GT (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ S	² vol. (l) (approx.)	weight (kg) (EE)	weight (kg) (AE)	weight (kg) (AP)	weight (kg) (PE)
10	46	35	G ³ / ₈ "	12	68	80	1/8"	23	4x(M6x16)	0,03	0,5	-	-	0,3
15	56	47	G ¹ / ₂ "	15	85	95	1/8"	28	4x(M6x20)	0,05	0,8	-	-	0,4
20	62	49	G ³ / ₄ "	17	93	103	1/8"	31,5	4x(M6x25)	0,07	0,9	0,6	0,4	-
25	72	57	G1"	20	110	120	1/8"	36,5	4x(M6x30)	0,09	1,4	0,8	0,5	-
32	80	66	G1 ¹ / ₄ "	21	130	140	1/4"	45	8x(M6x35)	0,13	1,8	1,2	0,9	-
40	90	77	G1 ¹ / ₂ "	21	150	160*	1/4"	50	8x(M6x35)	0,22	2,4	1,5	1,1	-
50	110	88	G2"	25	175	185	1/4"	60	8x(M6x35)	0,36	3,6	2,2	1,6	-

¹ Mounting screws (stainless steel 1.4401 / AISI 316) according to DIN 933 (EN24107)

² Volume = Control volume with closed sleeve

* Alternatively available is our K-variant → length = 150mm

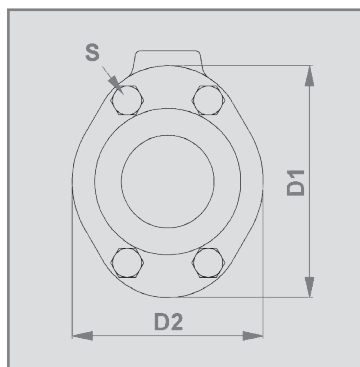
Technical details subject to change without notice.

AKO UK Ltd.

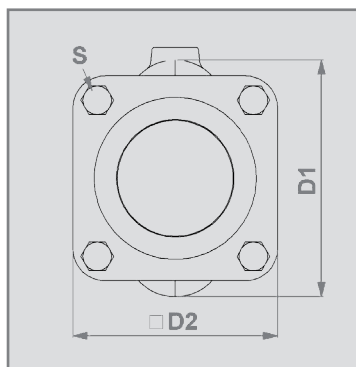
13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

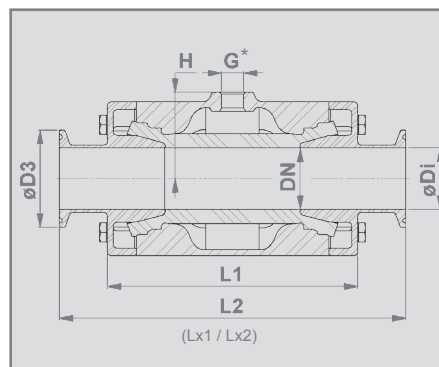
Air operated Pinch Valve - Tri-Clamp connection



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Connection type:

Tri-Clamp according to DIN 32676, **DIN 11853-3** (Lx1) / **11864-3 form A** (Lx2) on request.

Body:

- DN10-50: Stainless steel 1.4408 (E)
- DN20-50: Aluminium AISi10Mg (A)
- DN10-15: Plastic POM natural white (P)
- DN10-15: Plastic POM conductive (P) 

Tri-Clamp Connection:

- DN10-50: Stainless steel 1.4404 (E)



Valve face to face length:

DN10: Acc. to DIN EN 558 row 27

DN15-50: Acc. to DIN EN 558 row 1

Valve finish:

Stainless steel: Electropolished matt

Aluminium: Powder coated 60-80µm RAL 9006

Wetted parts = Ra 0.5

Satin polished (brushed) Ra 0.3 on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	Lx1 (mm)	Lx2 (mm)	G (inch)	H (mm)	¹ S	² vol. (l) (approx.)	weight (kg) (EE)	weight (kg) (AE)	weight (kg) (PE)
10	10	46	35	34	80	115	162	190	1/8"	23	4x(M6x16)	0,03	0,5	-	0,3
15	16	56	47	34	95	130	187	215	1/8"	28	4x(M6x20)	0,05	0,9	-	0,5
20	20	62	49	34	103	150	199	227	1/8"	31	4x(M6x25)	0,07	1,0	0,6	-
25	26	72	57	50,50	120	160	212	241	1/8"	36	4x(M6x30)	0,09	1,5	1,0	-
32	32	80	66	50,50	140	180	229	267	1/4"	45	8x(M6x35)	0,13	1,9	1,3	-
40	38	90	77	50,50	160	200	241	279	1/4"	50	8x(M6x35)	0,22	2,6	1,7	-
50	50	110	88	64	185	230	268	304	1/4"	60	8x(M6x35)	0,36	3,9	2,5	-

¹ Mounting screws (stainless steel 1.4401 / AISI 316) according to DIN 933 (EN24107)

² Volume = Control volume with closed sleeve

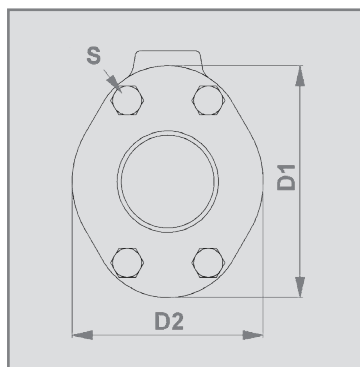
Technical details subject to change without notice.

AKO UK Ltd.

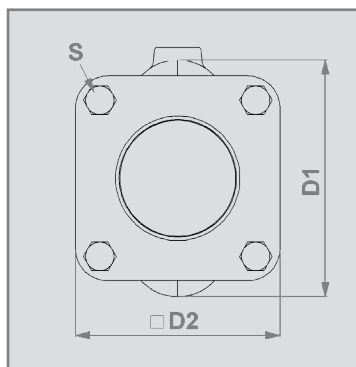
13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

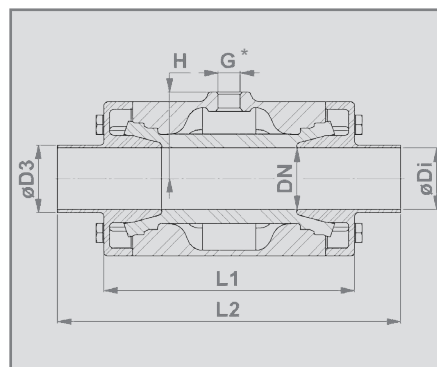
Air operated Pinch Valve - Weld-on ends



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Connection type:

Weld-on ends according to DIN 11850 row 2

Body:

- DN10-50: Stainless steel 1.4408 (E)
- DN20-50: Aluminium AISi10Mg (A)
- DN10-15: Plastic POM natural white (P)
- DN10-15: Plastic POM conductive (P) 

Weld-on ends:

- DN10-50: Stainless steel 1.4404 (E)



Valve face to face length:

DN10: Acc. to DIN EN 558 row 27

DN15-50: Acc. to DIN EN 12982 row 61

Valve finish:

Stainless steel: Electropolished matt

Aluminium: Powder coated 60-80µm RAL 9006

Wetted parts = Ra 0.5

Satin polished (brushed) Ra 0.3 on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ S	² vol. (l) (approx.)	weight (kg) (EE)	weight (kg) (AE)	weight (kg) (PE)
10	10	46	35	13x1,5	68	115	1/8"	23	4x(M6x16)	0,03	0,5	-	0,3
15	16	56	47	19x1,5	85	140	1/8"	28	4x(M6x20)	0,05	0,8	-	0,5
20	20	62	49	23x1,5	93	152	1/8"	31	4x(M6x25)	0,07	1,0	0,6	-
25	26	72	57	29x1,5	110	165	1/8"	36	4x(M6x30)	0,09	1,4	0,9	-
32	32	80	66	35x1,5	130	178	1/4"	45	8x(M6x35)	0,13	1,9	1,3	-
40	38	90	77	41x1,5	150	190	1/4"	50	8x(M6x35)	0,22	2,5	1,6	-
50	50	110	88	53x1,5	175	216	1/4"	60	8x(M6x35)	0,36	3,8	2,5	-

¹ Mounting screws (stainless steel 1.4401 / AISI 316) according to DIN 933 (EN24107)

² Volume = Control volume with closed sleeve

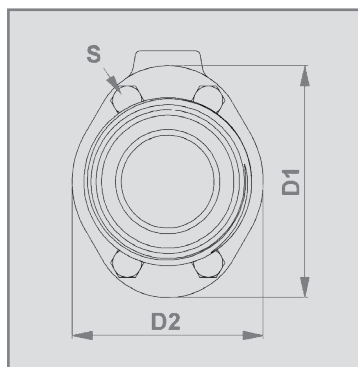
Technical details subject to change without notice.

AKO UK Ltd.

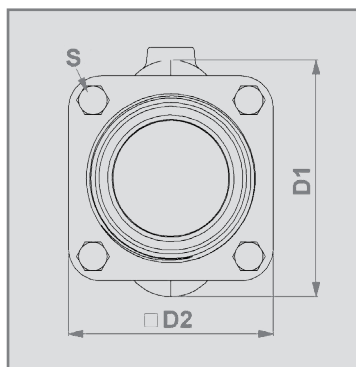
13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com

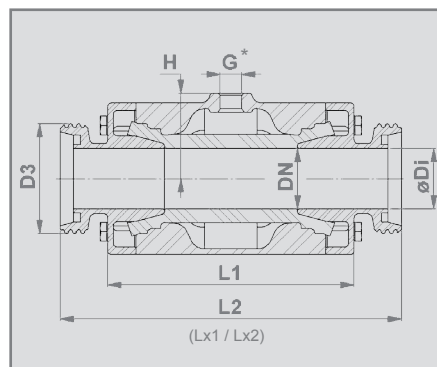
Air operated Pinch Valve - Threaded spigot



DN10 - DN50



DN65 - DN100



* DIN EN ISO 228 "G"

Connection type:

Threaded spigot according to DIN 11851, **DIN 11853-1** (Lx1) / **11864-1 form A** (Lx2) on request.

Body:

- DN10-50: Stainless steel 1.4408 (E)
- DN20-50: Aluminium AISi10Mg (A)
- DN10-15: Plastic POM natural white (P)
- DN10-15: Plastic POM conductive (P) 

Threaded spigot:

- DN10-50: Stainless steel 1.4404 (E)



Valve face to face length:

DN10: Acc. to DIN EN 558 row 27

DN15-50: Acc. to DIN EN 558 row 1

Valve finish:

Stainless steel: Electropolished matt

Aluminium: Powder coated 60-80µm RAL 9006

Wetted parts = Ra 0.5

Satin polished (brushed) Ra 0.3 on request.

DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	Lx1 (mm)	Lx2 (mm)	¹ S	² vol. (l) (approx.)	weight (kg) (EE)	weight (kg) (AE)	weight (kg) (PE)
10	10	46	35	Rd28x1/8"	1/8"	23	68	115	153	197	4x(M6x16)	0,03	0,5	-	0,3
15	16	56	47	Rd34x1/8"	1/8"	28	85	130	178	222	4x(M6x20)	0,05	0,9	-	0,5
20	20	62	49	Rd44x1/6"	1/8"	31	93	150	194	238	4x(M6x25)	0,07	1,1	0,8	-
25	26	72	57	Rd52x1/6"	1/8"	36	110	160	217	251	4x(M6x30)	0,09	1,6	1,1	-
32	32	80	66	Rd58x1/6"	1/4"	45	130	180	238	274	8x(M6x35)	0,13	2,1	1,5	-
40	38	90	77	Rd65x1/6"	1/4"	50	150	200	252	286	8x(M6x35)	0,22	2,8	1,9	-
50	50	110	88	Rd78x1/6"	1/4"	60	175	230	278	312	8x(M6x35)	0,36	4,2	2,9	-

¹ Mounting screws (stainless steel 1.4401 / AISI 316) according to DIN 933 (EN24107)

² Volume = Control volume with closed sleeve

Technical details subject to change without notice.

AKO UK Ltd.

13 Alvis Way, Royal Oak Trading Estate, Daventry, Northamptonshire NN11 8PG

Tel: 0 13 27 31 27 47 • Fax: 0 13 27 31 25 65 • E-mail: sales@ako-valves.com • Web: www.pinch-valve.com