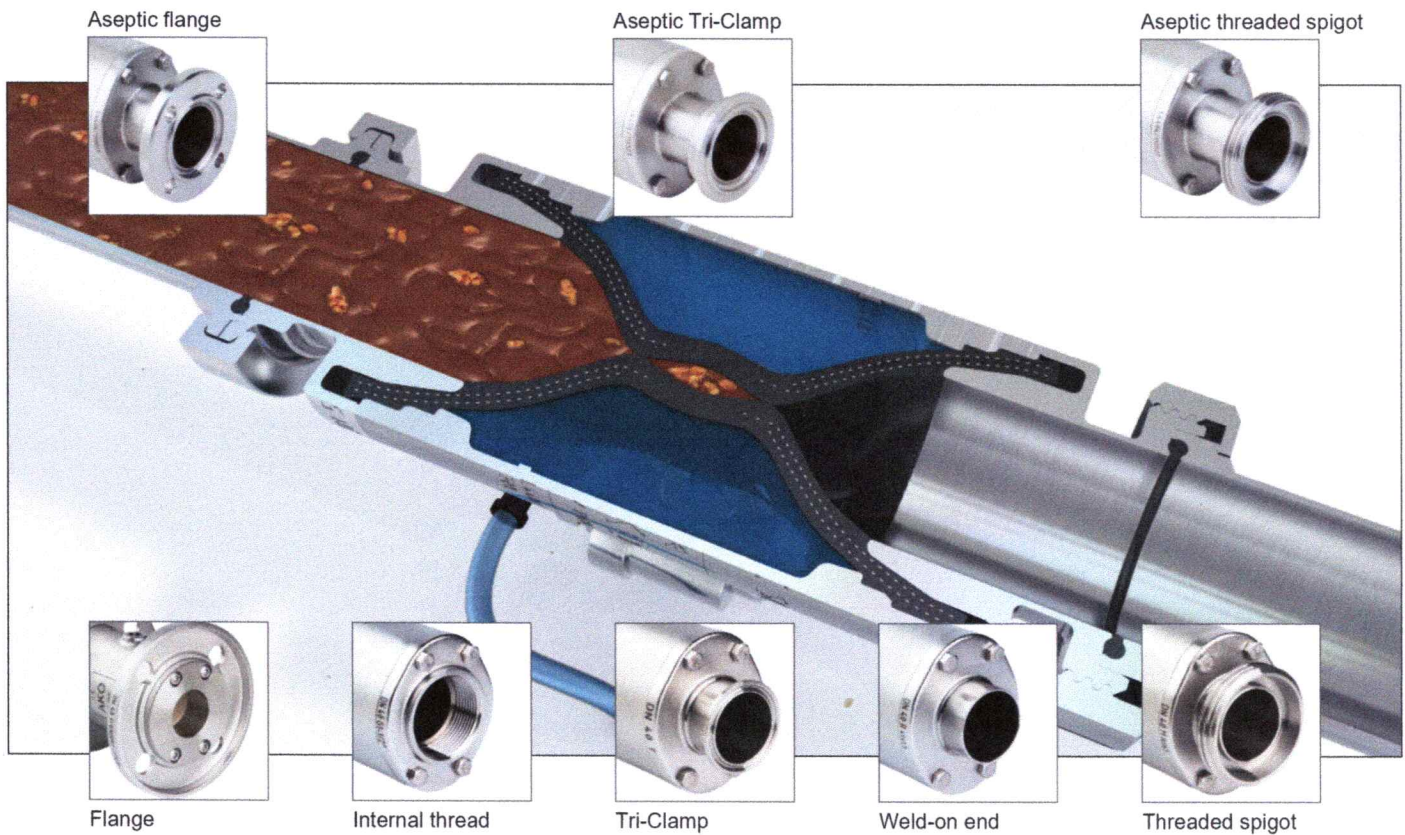




Air operated Pinch Valve - **VMC Series**



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

Air operated Pinch Valve - VMC Series

► Connection options:

- Flange
- Aseptic flange
- Internal thread
- Tri-Clamp
- Aseptic Tri-Clamp
- Weld-on ends
- Threaded spigot (RJT connection)
- Aseptic threaded spigot
- Threaded hose nozzle connection
(see separate data sheet)

► Materials:

Body: Stainless steel (1.4408)
Aluminum
Plastic (POM) (→ VMP series)

Socket Connection: Stainless steel (1.4404)
Plastic (POM)
Aluminum

► Sleeves:

- Natural rubber (NR) anti-abrasive
- NR food quality
- NR high temperature
- EPDM
- EPDM food black
- EPDM food pale
- NBR
- NBR food black
- NBR food pale
- FPM/FKM
- Silicone
- CR
- CSM
- IIR

...others on request.

► Pressures:

Operating / medium pressure max.: ~ 6 bar
Control / closing pressure max.: 8 bar
Differential pressure: 2 - 3,5 bar
varies depending on diameter & sleeve

► 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
- and more...



Also available:

Special, conductive models suitable for use in areas at risk of explosions (Ex) in zones 0, 1, 2, 20, 21 and 22. (VMCX series)

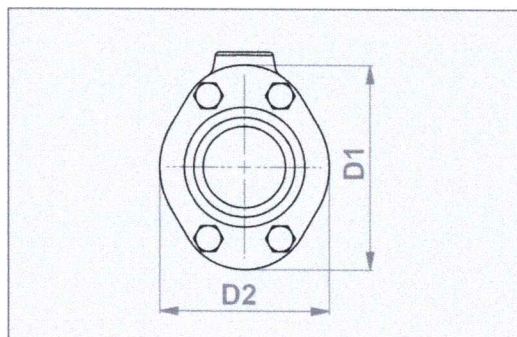


The air operated Pinch Valves of VMC series fulfill all requirements of the Pressure Equipment Directive 2014/68/EU.

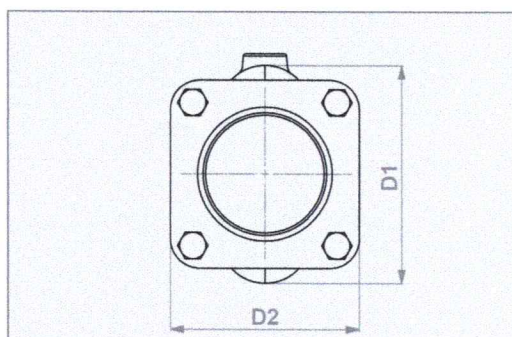
Technical details are subject to change without notice.

Air operated Pinch Valve - VMC Series

Internal Thread (G) DIN EN ISO 228 (G)



DN 10 – DN 50



DN 65 – DN 100



► Connection type

Internal thread according to DIN EN ISO 228 (G)

► Body

DN 10 – 100: Stainless steel (1.4408) (E)
DN 20 – 100: Aluminum (A)
DN 10 – 15: Plastic (POM) (P) natural white (→ VMP series)
DN 10 – 15: Plastic (POM) (P) conductive (→ VMP series)

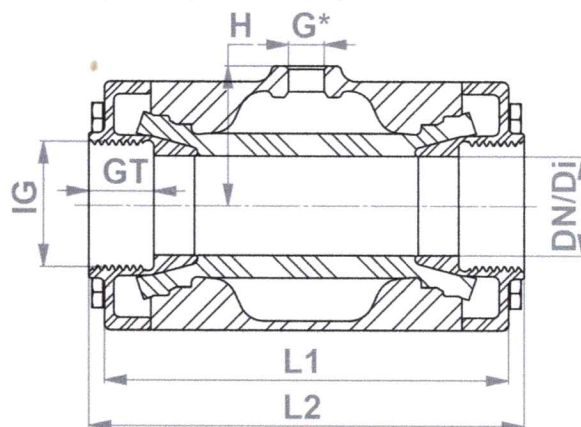
► Socket ends

DN 10 – 100: Stainless steel (1.4404) (E)
DN 20 – 50: Plastic (POM) (P) natural white
DN 20 – 50: Plastic (POM) (P) conductive
DN 20 – 50: Aluminum (A)

► Valve finish

Stainless steel: Electropolished, matt
Wetted parts:
Ra 0,8 Others on request
Aluminum: Body: Powder-coated, RAL9006
Sockets: neutral hard-anodized, anthracite

Example view (DN 10 – DN 50)



* DIN EN ISO 228 (G)

DN / Di (mm)	D1 (mm)	D2 (mm)	IG (inch)	GT (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	Vol. (l) (approx.)	(E) + (E)	(A) + (E)	(A) + (P)	(P) + (E)	(A) + (A)
										Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
10	46	35	G $\frac{3}{8}$ "	12	68	80	G 1/8"	23	0,03	0,5	-	-	0,2	-
15	56	47	G $\frac{1}{2}$ "	15	85	95	G 1/8"	28	0,05	0,8	-	-	0,4	-
20	62	49	G $\frac{3}{4}$ "	17	93	103	G 1/8"	32	0,07	0,9	0,5	0,4	-	0,45
25	72	57	G1"	20	110	120	G 1/8"	37	0,09	1,3	0,8	0,5	-	0,60
32	80	66	G1 $\frac{1}{4}$ "	21	130	140	G 1/4"	45	0,13	1,7	1,1	0,7	-	0,80
40	90	77	G1 $\frac{1}{2}$ "	21	150	160	G 1/4"	50	0,22	2,4	1,5	0,9	-	1,15
50	110	88	G2"	25	175	185	G 1/4"	60	0,36	3,6	2,2	1,6	-	1,80
65	139	115	G2 $\frac{1}{2}$ "	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	-	-	-

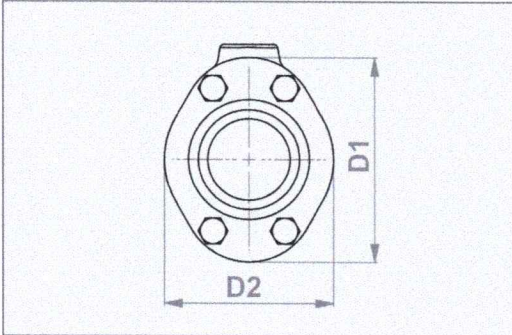
* Volume = Control volume with closed sleeve

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

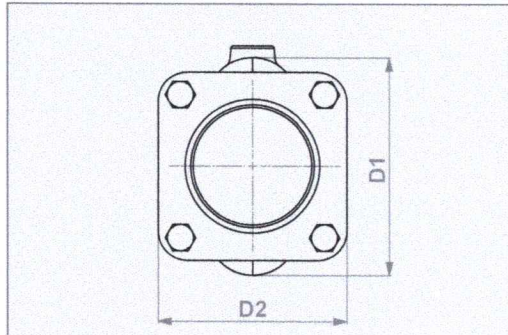
Technical details are subject to change without notice.

Air operated Pinch Valve - VMC Series

Internal Thread (N) ANSI / ASME B1.20.1 (NPT)



DN 10 – DN 50



DN 65 – DN 100



► Connection type

Internal thread according to ANSI / ASME B1.20.1 (NPT)

► Body

DN 10 – 100: Stainless steel (1.4408) (E)
DN 20 – 100: Aluminum (A)
DN 10 – 15: Plastic (POM) (P) natural white (→ VMP series)
DN 10 – 15: Plastic (POM) (P) conductive (→ VMP series)

► 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
DN 20 – 50: Aluminum (A)

► Valve finish

Stainless steel: Electropolished, matt

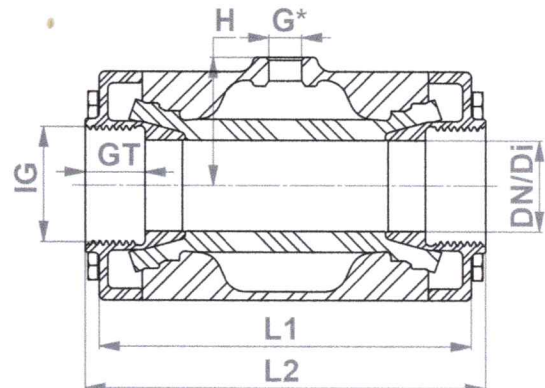
Wetted parts:

Ra 0,8 Others on request

Aluminum: Body: Powder-coated, RAL9006

Sockets: neutral hard-anodized, anthracite

Example view (DN 10 – DN 50)



* DIN EN ISO 228 (G)

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

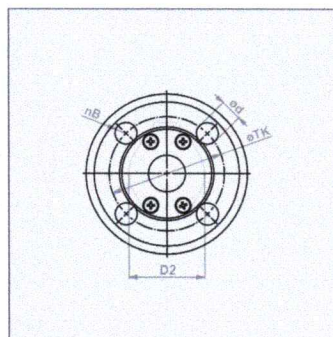
* Volume = Control volume with closed sleeve

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

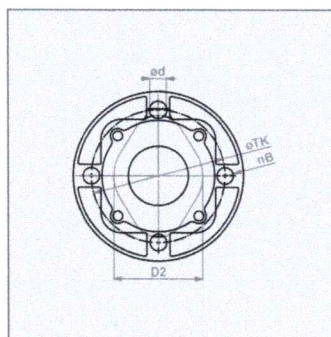
Technical details are subject to change without notice.

Air operated Pinch Valve - VMC Series

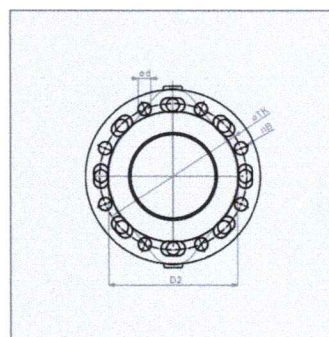
Flange (F) DIN EN 1092-1 PN 10/16



DN 25 – DN 50



DN 65 – DN 100



DN 125 – DN 150



► Connection type

Flange connection to DIN EN 1092-1 PN 10/16

► Body

DN 25 – 150: Stainless steel (1.4408) (E)

DN 25 – 80: Aluminum (A)

► Flange

DN 25 – 150: Stainless steel (1.4404) (E)

► Valve face to face length

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

► Valve finish

Stainless steel: Electropolished, matt

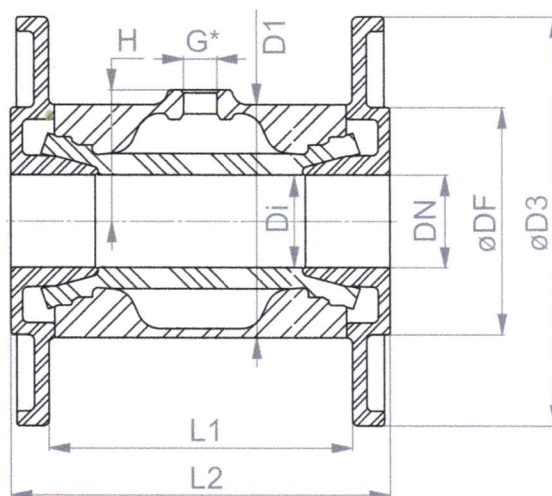
Wetted parts:

Ra 0,8 Others on request

Aluminum:

Powder-coated, RAL9006

Example view (DN 10 – DN 50)



* DIN EN ISO 228 (G)

DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	ø DF (mm)	* nB	ød (mm)	øTK (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ Vol. (l) (approx.)	(E) + (E)	(A) + (E)
														Weight (kg)	Weight (kg)
25	25	72	57	115	68	4	14	85	96	125	G 1/8"	37	0,09	2,4	1,7
32	32	80	66	140	78	4	18	100	104	130	G 1/4"	45	0,13	2,9	2,2
40	40	90	77	150	88	4	18	110	119	155	G 1/4"	50	0,22	4,0	2,8
50	50	110	88	165	106	4	18	125	149	185	G 1/4"	60	0,36	5,8	4,4
65	65	139	102	185	122	4	18	145	133	170	G 1/4"	74	0,44	5,5	4,9
80	80	173	126	200	138	4	18	160	173	213	G 1/4"	90	0,88	7,5	6,2
100	100	203	146	220	158	8	18	180	224	264	G 1/4"	107	1,80	12,2	-
125	120	252	184	250	187	8	18	210	286	336	G 1/4"	130	2,70	26,2	-
150	145	301	257	285	212	8	22	240	356	406	G 1/4"	155	6,95	37,1	-

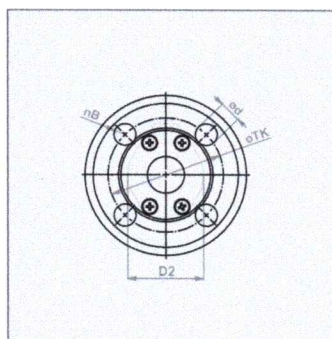
* Number of holes

¹ Volume = Control volume with closed sleeve

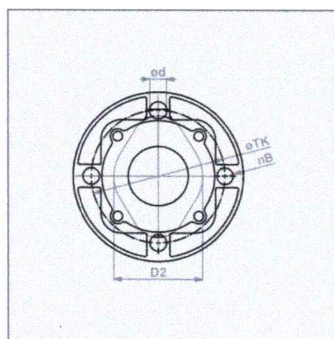
Technical details are subject to change without notice.

Air operated Pinch Valve - VMC Series

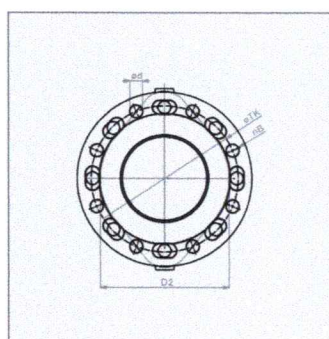
Flange (FA) ANSI B 16.5 / 150lbs



DN 25 – DN 50



DN 65 – DN 100



DN 125 – DN 150



► Connection type

Flange according to ANSI B 16.5 / 150lbs

► Body

DN 40 – 150: Stainless steel (1.4408) (E)
DN 40 – 100: Aluminum (A)

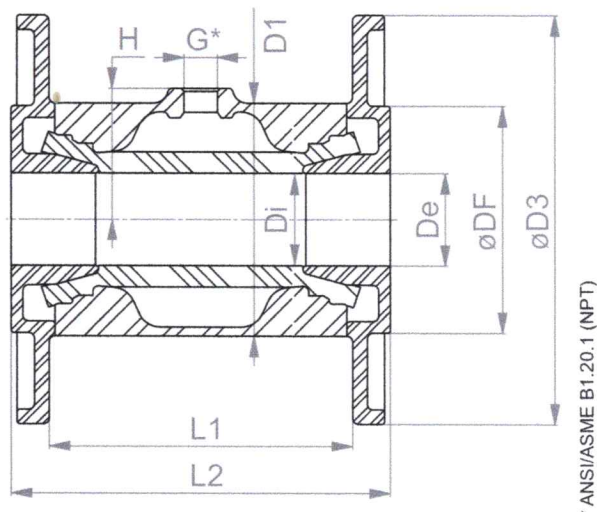
► Flange

DN 40 – 150: Stainless steel (1.4404) (E)
DN 40 – 100: Aluminum with steel bushing (A)

► Valve finish

Stainless steel: Electropolished, matt
Wetted parts:
Ra 0,8 *Others on request*
Aluminum: Powder-coated, RAL9006

Example view (DN 10 – DN 50)



											(E) + (E)									
											(A) + (E)	(A) + (A)						(E) + (E)	(A) + (E)	(A) + (A)
DN (mm)	Di (mm)	De (mm)	D1 (mm)	D2 (mm)	D3 (mm)	DF (mm)	* nB	d (mm)	TK (mm)	L1 (mm)	L2 (mm)	L2 (mm)	G (inch)	H (mm)	¹ Vol. (l) (approx.)	Weight (kg)	Weight (kg)	Weight (kg)		
² 40	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		
50	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	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	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	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	120	128,3	252	184	254,0	185	8	22,5	215,9	286	334	-	G 1/4"	130	2,7	25,0	-	-		
150	145	154,2	301	257	279,4	215	8	22,5	241,3	356	406,8	-	G 1/4"	155	6,95	36,5	-	-		

* Number of holes

¹ Volume = Control volume with closed sleeve

² Screw nuts (M16) for assembling counter flange are non-rotatable at Pinch Valve body

Technical details are subject to change without notice.