

Pinch valves VZQA



Pinch valves VZQA

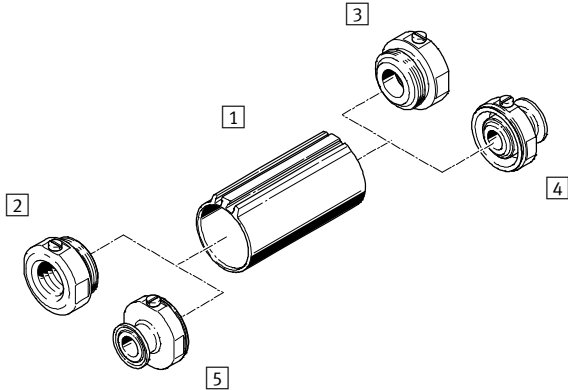
Features

FESTO

VZQA-C-M22C function

The pinch valve is a 2/2-way valve for controlling material flows. It is closed in normal position. The shut-off element is a tubular pinch valve sleeve made from elastomer. The sleeve opens when the valve is pressurised, releasing the material flow. When pressure is no longer applied, a spring will close the

normally open valve. The valve can be used with liquid and gaseous media. The free passage when the valve is opened ensures minimum flow resistance and prevents the valve becoming blocked or clogged.

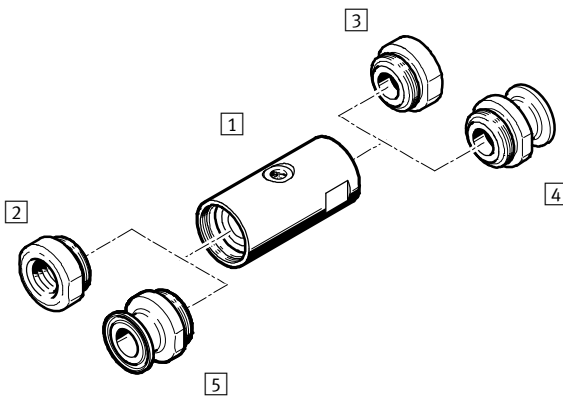


- 1 Body, normally closed
- 2 Process valve connection 1
G female thread, NPT female thread
- 3 Process valve connection 2
G female thread, NPT female thread
- 4 Process valve connection 1
Clamp to DIN 32676, series A or clamp to ASME-BPE, type A
- 5 Process valve connection 2
Clamp to DIN 32676, series A or clamp to ASME-BPE, type A

VZQA-C-M22U function

The pinch valve is a 2/2-way valve for controlling material flows. It is open in normal position. The shut-off element is a tubular pinch valve sleeve made from elastomer. The sleeve closes when the valve is pressurised, completely shutting off the material flow. When pressure is no longer applied, the normally closed valve will open due to the inherent stress of the pinch valve

sleeve or the pressure of the medium. The valve can be used to shut off liquid and dusty media, solids (granulate) and mixtures of substances. The free passage when the valve is opened ensures minimum flow resistance and prevents the valve becoming blocked or clogged.



- 1 Body, normally open
- 2 Process valve connection 1
G female thread, NPT female thread
- 3 Process valve connection 2
G female thread, NPT female thread
- 4 Process valve connection 1
Clamp to DIN 32676, series A or
Clamp to ASME-BPE, type A or type B
- 5 Process valve connection 2
Clamp to DIN 32676, series A or
Clamp to ASME-BPE, type A or type B

Application

- The valve can be used to control liquid and dusty media, solids and material mixtures.

Design

- Easy-to-clean housing (clean design)
- Open or closed in normal position
- Pinch valve sleeve made from elastomer

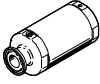
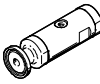
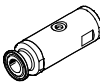
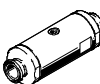
Areas of application

The pinch valve may only be used in systems where a damaged or leaking seal cartridge cannot pose a hazard to people or property. The media circuit must be sized for the set operating pressure. The designer and operator of the system are responsible for ensuring the product is suitable for the system as

well as for ensuring that the seal cartridge material is resistant to the medium used. Appropriate tests are generally required to assess the suitability. The risks associated with a leaking seal cartridge and the corresponding consequences must be taken into account when planning the system.

Pinch valves VZQA

Product range overview

Feature	Type	Nominal width DN	Process valve connection	Flow rate	Pilot air port 12 / max. permissible thread length	→ Page/Internet
				[m ³ /h]		
	VZQA-C-M22C-...	15	G1/2	5	M5 / 5 mm	5
			1/2 NPT			
			Clamp to DIN 32676, series A			
			Clamp to ASME-BPE, type A			
	VZQA-C-M22U-...	6	G1/4	0.7	M5 / 4.5 mm	8
			1/4 NPT			
			Clamp to DIN 32676, series A			
			Clamp to ASME-BPE, type A			
	VZQA-C-M22U-...	15	G1/2	5	G1/8 / 5 mm	8
			1/2 NPT			
			Clamp to DIN 32676, series A			
			Clamp to ASME-BPE, type A			
	VZQA-C-M22U-...	25	G1	18	G1/8 / 6 mm	8
			1 NPT			
			Clamp to DIN 32676, series A			
			Clamp to ASME-BPE, type B			

 Note

The hermetic separation between the media circuit and control circuit is no longer guaranteed if wear causes the pinch valve sleeve to leak. The flow medium can then get into the control circuit, from where it can escape. Any potential hazard (e.g. due to aggressive or hot media) must be ruled out. The compressed air supply to the control valve must be protected against the

ingress of the flow medium using a suitable check valve, or a suitable protection against return flow must be integrated in the pilot line in the immediate vicinity of the media valve. Pilot medium can get into the media circuit if the pinch valve sleeve fails. The media circuit must therefore be sized for the set operating pressure. Any potential hazard must be ruled out.

Pinch valves VZQA

Type codes

VZQA - C - M22U - 6 - G G - V4 V4 N - 4 - E

Type

VZQA	Pinch valve, pneumatically actuated
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Product version

C	Easy-to-clean design
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Valve function

M22C	2/2-way valve, normally closed
M22U	2/2-way valve, normally open

Nominal width DN

6	6 mm
15	15 mm
25	25 mm

Connection type 1

G	G female thread
T	NPT female thread
S1	Clamp to ASME-BPE, type A
S5	Clamp to DIN 32676, series A
S12	Clamp to ASME-BPE, type B

Connection type 2

G	G female thread
T	NPT female thread
S1	Clamp to ASME-BPE, type A
S5	Clamp to DIN 32676, series A
S12	Clamp to ASME-BPE, type B

Housing material

AL	Aluminium
V2	Stainless steel
V4	Stainless steel

Housing cover material

AL	Aluminium
V4	Stainless steel
POM	Polyoxymethylene

Shut-off element material

E	EPDM
N	NBR
S1	Silicone

Pressure range of media

4	0 ... 4 bar
6	0 ... 6 bar

Sensing type

-	None
E	End positions

Pinch valves VZQA

Technical data M22C

FESTO

Function



General technical data		
VZQA-C-M22C-...	-15-GG-...	-15-S5S5-...
Nominal width DN	15	
Nominal pressure of process valve PN	10	
Design	Pinch valve, pneumatically actuated	
Type of actuation	Pneumatic	
Sealing principle	Soft	
Mounting position	Any	
Valve function	2/2-way, closed, monostable	
Direction of flow	Reversible	
Reset method	Mechanical spring	
Type of piloting	Externally actuated	
Type of mounting	In-line installation	
Process valve connection	G1/2	Clamp to DIN 32676, series A
Auxiliary pilot air port 12	M5	
Switching time on [ms]	150	
Switching time off [ms]	250	
Flow rate Kv [m ³ /h]	5	

Operating and environmental conditions		
Operating pressure [bar]	3.5 ... 6	
Burst pressure [bar]	16	
Max. viscosity [mm ² /s]	4000	
Ambient temperature [°C]	-5 ... +60	
Storage temperature [°C]	6 ... 8	
Medium pressure [bar]	0 ... 6	
Medium	Compressed air to ISO 8573-1:2010 [:::1] Water	
Temperature of medium [°C]	-5 ... +100	
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:1]	
Suitable for use in the food industry ¹⁾	As per manufacturer's declaration	

1) Additional information www.festo.com/sp → Certificates.

Materials		
VZQA-C-M22C-...	V2V4E	ALV4E
Housing	High-alloy stainless steel	Wrought aluminium alloy
Housing cover	High-alloy stainless steel	
Bowl	PA6	
Seals	FPM	
Shut-off element	EPDM	
Note on materials	RoHS compliant	

Pinch valves VZQA

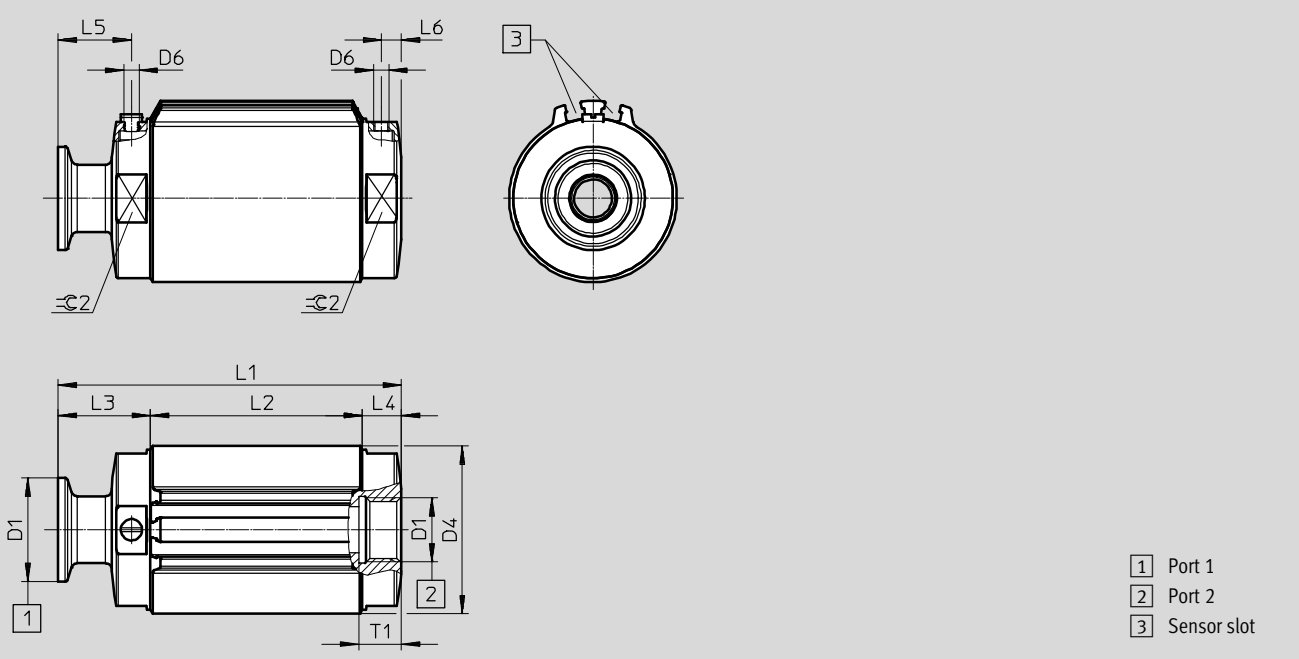
Technical data M22C



Dimensions

Download CAD data → www.festo.com

Illustration of port 1: clamp to DIN 32676, series A, port 2: G1/2

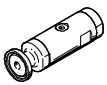


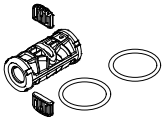
Variant	D1		D6	L1	L2	L3	L4	L5	L6	T1	≈± 2
	Port 1	Port 2									
...GG...	G1/2	G1/2	M5	95	69.5	12.8	12.8	6.8	6.8	14	50
...TT...	1/2 NPT	1/2 NPT		95		12.8	12.8	6.8	6.8		
...GT...	G1/2	1/2 NPT		95		12.8	12.8	6.8	6.8		
...TG...	1/2 NPT	G1/2		95		12.8	12.8	6.8	6.8		
...S1S1...	ASME-BPE, type A	ASME-BPE, type A		130		30.3	30.3	24	24		
...S1G...	ASME-BPE, type A	G1/2		112.5		12.8	12.8	6.8	6.8		
...S1T...	ASME-BPE, type A	1/2 NPT		112.5		12.8	12.8	6.8	6.8		
...GS1...	G1/2	ASME-BPE, type A		112.5		12.8	12.8	6.8	6.8		
...TS1...	1/2 NPT	ASME-BPE, type A		112.5		12.8	12.8	6.8	6.8		
...S1S5...	ASME-BPE, type A	DIN 32676, series A		130		30.3	30.3	24	24		
...S5S1...	DIN 32676, series A	ASME-BPE, series A		130		30.3	30.3	24	24		
...S5S5...	DIN 32676, series A	DIN 32676, series A		130		30.3	30.3	24	24		
...S5G...	DIN 32676, series A	G1/2		112.5		12.8	12.8	6.8	6.8		
...S5T...	DIN 32676, series A	1/2 NPT		112.5		12.8	12.8	6.8	6.8		
...GS5...	G1/2	DIN 32676, series A		112.5		12.8	12.8	6.8	6.8		
...TS5...	1/2 NPT	DIN 32676, series A		112.5		12.8	12.8	6.8	6.8		

Housing material	D4
	∅
V2V4E	52.4
ALV4E	55

Pinch valves VZQA

Technical data M22C

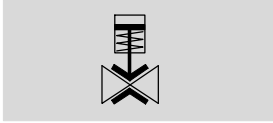
Ordering data					
Pinch valves	Nominal width DN	Process valve connection	Weight [g]	Part No.	Type
	15	Clamp to DIN 32676, series A	666	3412424	VZQA-C-M22C-15-S5S5-V2V4E-6
		Clamp to DIN 32676, series A	607	3412425	VZQA-C-M22C-15-S5S5-ALV4E-6-E
		G1/2	536	3412426	VZQA-C-M22C-15-GG-V2V4E-6

Ordering data					
Seal cartridge	Nominal width DN	Storage temperature [°C]	Information on materials, shut-off element	Note on materials	Part No. Type
	15	6 ... 8	EPDM	RoHS compliant	3418619 VAVC-Q2-M22C-15-E

Pinch valves VZQA

Technical data M22U

Function



General technical data						
VZQA-C-M22U-...	-6-GG-...	-6-S5S5-...	-15-GG-...	-15-S5S5-...	-25-GG-...	-25-S5S5-...
Nominal width DN	6		15		25	
Nominal pressure of process valve PN	10					
Design	Pinch valve, pneumatically actuated					
Type of actuation	Pneumatic					
Sealing principle	Soft					
Mounting position	Any					
Valve function	2/2-way, open, monostable					
Direction of flow	Reversible					
Reset method	Rebound resilience					
Type of piloting	Externally actuated					
Type of mounting	In-line installation					
Process valve connection	G1/4	Clamp to DIN 32676, series A	G1/2	Clamp to DIN 32676, series A	G1	Clamp to DIN 32676, series A
Auxiliary pilot air port 12	M5		G1/8		G1/8	
Switching time on [ms]	125		250		250	
Switching time off [ms]	125		250		250	
Flow rate Kv [m ³ /h]	0.7		5		18	

Materials				
Pinch valve VZQA-C-M22U-...	...-V4V4...	...-ALAL...	...-ALV4...	...-ALPOM...
Housing	High-alloy stainless steel	Wrought aluminium alloy		
Housing cover	High-alloy stainless steel	Wrought aluminium alloy	High-alloy stainless steel	POM
Bowl	PA6			
Seals	FPM			
Note on materials	RoHS compliant			
Shut-off element for VZQA-C-M22U-...	...6/15/25-N	...6/15/25-E	...6/15-S1	...25-S1
Material	NBR	EPDM	Silicone	Silicone
Note on materials	-			Contains paint-wetting impairment substances
	RoHS compliant			
Differential pressure [bar]	2.5			3

Shut-off element			
For VZQA-C-M22U-...	Temperature of medium [°C]	Ambient temperature [°C]	Storage temperature [°C]
...-N-...	-5 ... +60	-5 ... +60	6 ... 8
...-E-... in combination with			
V4	-5 ... +100	-5 ... +60	6 ... 8
AL	-5 ... +100		
POM	-5 ... +80		
...-S1-... in combination with			
V4	-5 ... +150	-5 ... +60	0 ... 25
AL	-5 ... +150		
POM	-5 ... +80		

Pinch valves VZQA

Technical data M22U

Operating and environmental conditions		
Overload pressure	[bar]	7.8
Operating pressure	[bar]	1 ... 6.5
Differential pressure	[bar]	2.5
Burst pressure	[bar]	16
Max. viscosity	[mm ² /s]	4000
Ambient temperature	[°C]	-5 ... +60
Storage temperature	[°C]	6 ... 8
Medium pressure	[bar]	0 ... 4
VZQA-C-M22U-...	-6-GG-...	-6-S5S5-...
Medium		
V4V4E	Compressed air to ISO 8573-1:2010 [:-:1], water	Compressed air to ISO 8573-1:2010 [:-:1], water
ALV4N	Compressed air to ISO 8573-1:2010 [:-:-]	-
Temperature of medium	[°C]	
V4V4E	-5 ... +100	-5 ... +100
ALV4N	-5 ... +60	-
Pilot medium		
V4V4E	Compressed air to ISO 8573-1:2010 [7:4:1]	Compressed air to ISO 8573-1:2010 [7:4:1]
ALV4N	Compressed air to ISO 8573-1:2010 [7:4:4]	-
Suitable for use in the food industry ¹⁾		
V4V4E	As per manufacturer's declaration	As per manufacturer's declaration
VZQA-C-M22U-...	-15-GG-...	-15-S5S5-...
Medium		
V4V4E	Compressed air to ISO 8573-1:2010 [:-:1], water	Compressed air to ISO 8573-1:2010 [:-:1], water
V4V4N	Compressed air to ISO 8573-1:2010 [:-:-]	-
ALV4N	Compressed air to ISO 8573-1:2010 [:-:-]	-
ALPOMN	Compressed air to ISO 8573-1:2010 [:-:-]	-
Temperature of medium	[°C]	
V4V4E	-5 ... +100	-5 ... +100
V4V4N	-5 ... +60	-
ALV4N	-5 ... +60	-
ALPOMN	-5 ... +60	-
Pilot medium		
V4V4E	Compressed air to ISO 8573-1:2010 [7:4:1]	Compressed air to ISO 8573-1:2010 [7:4:1]
V4V4N	Compressed air to ISO 8573-1:2010 [7:4:4]	-
ALV4N	Compressed air to ISO 8573-1:2010 [7:4:4]	-
ALPOMN	Compressed air to ISO 8573-1:2010 [7:4:4]	-
Suitable for use in the food industry ¹⁾		
V4V4E	As per manufacturer's declaration	As per manufacturer's declaration
VZQA-C-M22U-...	-25-GG-...	-25-S5S5-...
Medium		
V4V4E	Compressed air to ISO 8573-1:2010 [:-:1], water	Compressed air to ISO 8573-1:2010 [:-:1], water
ALALE	Compressed air to ISO 8573-1:2010 [:-:1], water	-
Temperature of medium	[°C]	
V4V4E	-5 ... +100	-5 ... +100
ALALE	-5 ... +100	-
Pilot medium		
V4V4E	Compressed air to ISO 8573-1:2010 [7:4:1]	Compressed air to ISO 8573-1:2010 [7:4:1]
ALALE	Compressed air to ISO 8573-1:2010 [7:4:1]	-
Suitable for use in the food industry ¹⁾		
V4V4E	As per manufacturer's declaration	As per manufacturer's declaration
ALALE	As per manufacturer's declaration	-

1) Additional information www.festo.com/sp → Certificates.

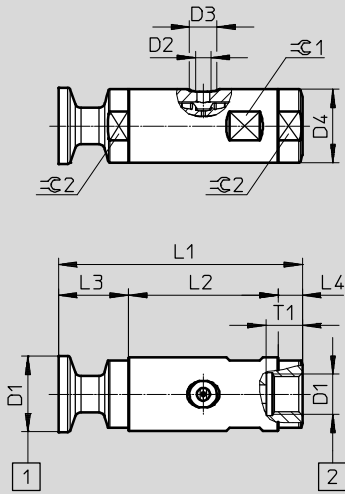
Pinch valves VZQA

Technical data M22U

Dimensions

Download CAD data → www.festo.com

Illustration of port 1: clamp to DIN 32676, series A, port 2: G1/2



1 Port 1
2 Port 2

Variant	D1		D2	D3 ∅	D4 ∅	L1	L2	L3	L4	T1	⌀ 1	⌀ 2
	Port 1	Port 2										
Nominal width DN6												
...GG-...	G1/4	G1/4	M5	9	24	65	49	8	8	12	22	22
...TT-...	1/4 NPT	1/4 NPT				65		8	8			
...GT-...	G1/4	1/4 NPT				65		8	8			
...TG-...	1/4 NPT	G1/4				65		8	8			
...S1S1-...	ASME-BPE, type A	ASME-BPE, type A				95		23	23			
...S1G-...	ASME-BPE, type A	G1/4				80		23	8			
...S1T-...	ASME-BPE, type A	1/4 NPT				80		23	8			
...GS1-...	G1/4	ASME-BPE, type A				80		8	23			
...TS1-...	1/4 NPT	ASME-BPE, type A				80		8	23			
...S1S5-...	ASME-BPE, type A	DIN 32676, series A				95		23	23			
...S5S1-...	DIN 32676, series A	ASME-BPE, type A				95		23	23			
...S5S5-...	DIN 32676, series A	DIN 32676, series A				95		23	23			
...S5G-...	DIN 32676, series A	G1/4				80		23	8			
...S5T-...	DIN 32676, series A	1/4 NPT				80		23	8			
...GS5-...	G1/4	DIN 32676, series A				80		8	23			
...TS5-...	1/4 NPT	DIN 32676, series A				80		8	23			

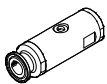
Pinch valves VZQA

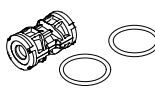
Technical data M22U

Variant	D1		D2	D3 ∅	D4 ∅	L1	L2	L3	L4	T1	≈C 1	≈C 2
	Port 1	Port 2										
Nominal width DN15												
...-GG-...	G1/2	G1/2	G1/8	15	38	95	81	7	7	14	36	36
...-TT-...	1/2 NPT	1/2 NPT				95		7	7			
...-GT-...	G1/2	1/2 NPT				95		7	7			
...-TG-...	1/2 NPT	G1/2				95		7	7			
...-S1S1-...	ASME-BPE, type A	ASME-BPE, type A				130		24.5	24.5			
...-S1G-...	ASME-BPE, type A	G1/2				112.5		24.5	7			
...-S1T-...	ASME-BPE, type A	1/2 NPT				112.5		24.5	7			
...-GS1-...	G1/2	ASME-BPE, type A				112.5		7	24.5			
...-TS1-...	1/2 NPT	ASME-BPE, type A				112.5		7	24.5			
...-S1S5-...	ASME-BPE, type A	DIN 32676, series A				130		24.5	24.5			
...-S5S1-...	DIN 32676, series A	ASME-BPE, type A				130		24.5	24.5			
...-S5S5-...	DIN 32676, series A	DIN 32676, series A				130		24.5	24.5			
...-S5G-...	DIN 32676, series A	G1/2				112.5		24.5	7			
...-S5T-...	DIN 32676, series A	1/2 NPT				112.5		24.5	7			
...-GS5-...	G1/2	DIN 32676, series A				112.5		7	24.5			
...-TS5-...	1/2 NPT	DIN 32676, series A				112.5		7	24.5			
...-...-V4POM-...	-	-				G1/8		15	38			
...-...-ALPOM-...	-	-										
Nominal width DN25												
...-GG-...	G1	G1	G1/8	15	58	130	109	10.5	10.5	18	55	55
...-TT-...	1 NPT	1 NPT				130		10.5	10.5			
...-GT-...	G1	1 NPT				130		10.5	10.5			
...-TG-...	1 NPT	G1				130		10.5	10.5			
...-S1S1-...	ASME-BPE, type A	ASME-BPE, type A				165		28	28			
...-S1G-...	ASME-BPE, type A	G1				147.5		28	10.5			
...-S1T-...	ASME-BPE, type A	1 NPT				147.5		28	10.5			
...-GS1-...	G1	ASME-BPE, type A				147.5		10.5	28			
...-TS1-...	1 NPT	ASME-BPE, type A				147.5		10.5	28			
...-S1S5-...	ASME-BPE, type A	DIN 32676, series A				165		28	28			
...-S5S1-...	DIN 32676, series A	ASME-BPE, type A				165		28	28			
...-S5S5-...	DIN 32676, series A	DIN 32676, series A				165		28	28			
...-S5G-...	DIN 32676, series A	G1				147.5		28	10.5			
...-S5T-...	DIN 32676, series A	1 NPT				147.5		28	10.5			
...-GS5-...	G1	DIN 32676, series A				147.5		10.5	28			
...-TS5-...	1 NPT	DIN 32676, series A				147.5		10.5	28			
...-...-V4POM-...	-	-				G1/8		15	58			
...-...-ALPOM-...	-	-										

Pinch valves VZQA

Technical data M22U

Ordering data						
Pinch valves	Nominal width DN	Process valve connection	Weight	Part No.	Type	
			[g]			
	6	G1/4	157	2931678	VZQA-C-M22U-6-GG-V4V4E-4	
		G1/4	105.5	2931679	VZQA-C-M22U-6-GG-ALV4N-4	
		Clamp to DIN 32676, series A	215	2931681	VZQA-C-M22U-6-S5S5-V4V4E-4	
	15	G1/2	431	3022829	VZQA-C-M22U-15-GG-V4V4E-4	
		G1/2	431	3022830	VZQA-C-M22U-15-GG-V4V4N-4	
		G1/2	265	3022831	VZQA-C-M22U-15-GG-ALV4N-4	
		G1/2	158	3022832	VZQA-C-M22U-15-GG-ALPOMN-4	
		Clamp to DIN 32676, series A	559	3022833	VZQA-C-M22U-15-S5S5-V4V4E-4	
	25	G1	1178	3968922	VZQA-C-M22U-25-GG-V4V4E-4	
		G1	480	3968923	VZQA-C-M22U-25-GG-ALALE-4	
		Clamp to DIN 32676, series A	1474	3968924	VZQA-C-M22U-25-S5S5-V4V4E-4	

Ordering data							
Seal cartridge	Nominal width DN	Information on materials, shut-off element	Storage temperature [°C]	Note on materials	Food-safe	Part No.	Type
	6	NBR	6 ... 8	-	RoHS-compliant	-	2392881 VAVC-Q2-M22U-6-N
		EPDM				1)	2392882 VAVC-Q2-M22U-6-E
		VMQ (silicone)	0 ... 25			2)	2392883 VAVC-Q2-M22U-6-S1
	15	NBR	6 ... 8	-	Contains PWIS (paint-wetting impairment substances)	-	3019151 VAVC-Q2-M22U-15-N
		EPDM				1)	3019148 VAVC-Q2-M22U-15-E
		VMQ (silicone)	0 ... 25			2)	3019144 VAVC-Q2-M22U-15-S1
	25	NBR	6 ... 8	-	Contains PWIS (paint-wetting impairment substances)	-	3970092 VAVC-Q2-M22U-25-N
		EPDM				-	3970093 VAVC-Q2-M22U-25-E
		VMQ (silicone)	0 ... 25			2)	3970094 VAVC-Q2-M22U-25-S1

- 1) See supplementary material information.
Additional information www.festo.com/sp → Certificates.
- 2) See declaration of conformity

Pinch valves VZQA

Ordering data – Modular product system

Ordering table					
VZQA-C...	M22C	M22U	Conditions	Code	Entry code
M Module no.	3174282	2037881			
Product type	Pinch valve			VZQA	VZQA
Version	Easy-to-clean design			-C	-C
Valve function	2/2-way valve, normally closed	–		-M22C	
	–	2/2-way valve, normally open		-M22U	
Nominal diameter DN	–	6		-6	
	15	–		-15	
	–	25		-25	
Process valve connection type 1	G female thread			-G	
	Clamp to ASME-BPE, type A		1 4 6	-S1	
	Clamp to DIN 32676, series A		1	-S5	
	NPT female thread			-T	
	Clamp to ASME-BPE, type B		1 3 6 7	-S12	
Process valve connection type 2	G female thread			G	
	Clamp to ASME-BPE, type A		1 4 6	S1	
	Clamp to DIN 32676, series A		1	S5	
	NPT female thread			T	
	Clamp to ASME-BPE, type B		1 3 6 7	-S12	
Housing material	Aluminium			-AL	
	Stainless steel (chrome-nickel, austenitic)	–		-V2	
	–	Stainless steel (chrome-nickel-molybdenum, austenitic)		-V4	
Housing cover material	Aluminium			AL	
	–	Polyoxymethylene	3	POM	
	Stainless steel (chrome-nickel-molybdenum, austenitic)			V4	
Shut-off element material	EPDM			E	
	–	NBR		N	
	–	Silicone	4	S1	
Pressure range of media [bar]	–	0 ... 4		-4	
	0 ... 6	–		-6	
O Sensing type	None				
	End positions		2 5	-E	

- 1** S1, S5, S12 Only in combination with housing cover material V4 (stainless steel)
- 2** E Only in combination with valve function M22C
- 3** POM, S12 Not in combination with nominal diameter DN6
- 4** S1 Not in combination with nominal diameter DN25
- 5** E Not in combination with housing material V2 (stainless steel)
- 6** S1, S12 Not in combination with nominal diameter DN25 and valve function M22C
- 7** S12 Not in combination with nominal diameter DN15

M Mandatory data
O Options

Transfer order code

VZQA - **C** - - - - - -