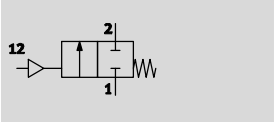
Angle seat valve VZXF

Technical data – Stainless steel casting, temperature of medium –40 … +200 °C

Function



Flow rate Kv
3.3 … 43 m³/h

Connecting thread
G½ … G2

General technical data				
Process valve connection		G½	G¾	G1
Auxiliary pilot air port		G⅛		
Nominal size DN		15	20	25
Nominal width	[mm]	13	18	24
Valve function		2/2-way, closed, monostable		
Design		Poppet valve with spring return		
Type of mounting		In-line installation		
Mounting position		Any		
Direction of flow		Non-reversible		
Exhaust function		No flow control		
Sealing principle		Soft		
Reset method		Mechanical spring		
Type of actuation		Pneumatic		
Type of pilot control		With external control		
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]		

Process valve connection		G1¼	G1½	G2
Auxiliary pilot air port		G⅛		
Nominal size DN		32	40	50
Nominal width	[mm]	31	35	45
Valve function		2/2-way, closed, monostable		
Design		Poppet valve with spring return		
Type of mounting		In-line installation		
Mounting position		Any		
Direction of flow		Non-reversible		
Exhaust function		No flow control		
Sealing principle		Soft		
Reset method		Mechanical spring		
Type of actuation		Pneumatic		
Type of pilot control		With external control		
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]		

Angle seat valve VZXF

Technical data – Stainless steel casting, temperature of medium –40 … +200 °C

Operating and environmental conditions				
Process valve connection		G½	G¾	G1
Nominal pressure of process valve PN		40		
Medium		Filtered compressed air, grade of filtration 200 µm		
		Mineral oil-based hydraulic oil		
		Inert gases		
		Mineral oil		
		Neutral fluids		
		Water		
		Steam		
Max. viscosity	[mm²/s]	600		
Ambient temperature	[°C]	–10 … 60		
Temperature of medium	[°C]	–40 … 200		
CE marking (see declaration of conformity)		–		

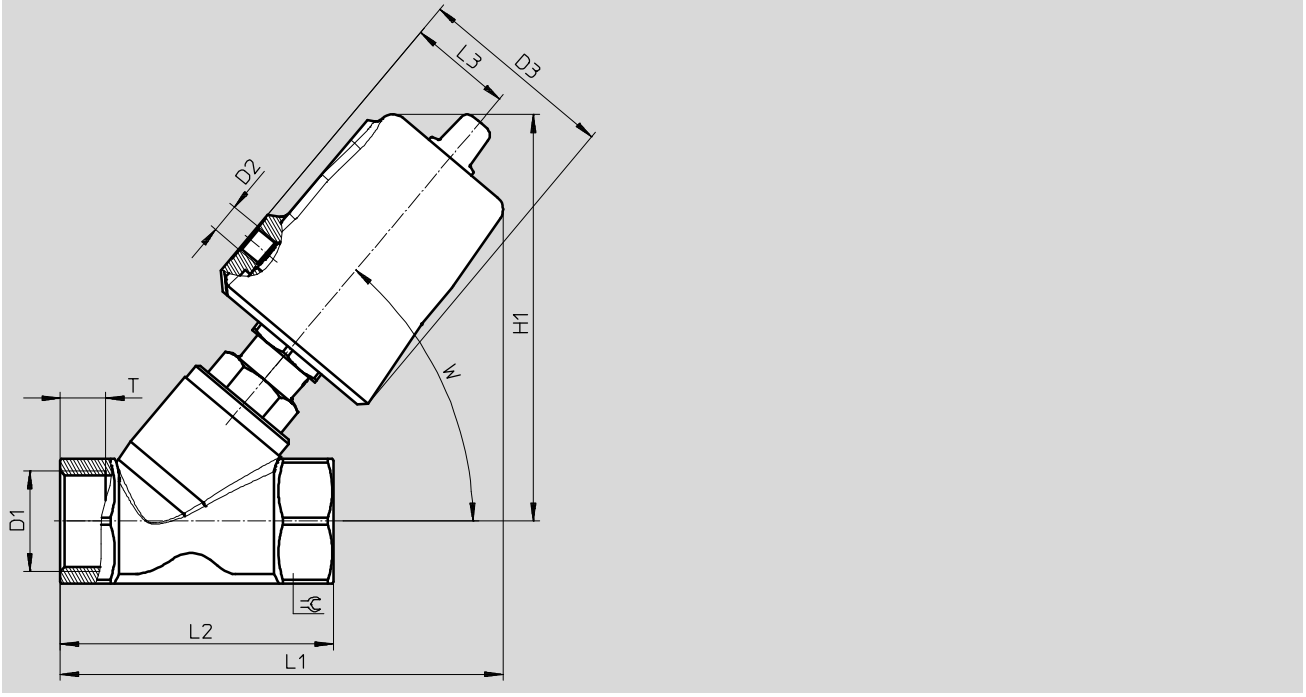
Process valve connection		G1¼	G1½	G2
Nominal pressure of process valve PN		40		
Medium		Filtered compressed air, grade of filtration 200 µm		
		Mineral oil-based hydraulic oil		
		Inert gases		
		Mineral oil		
		Neutral fluids		
		Water		
		Steam		
Max. viscosity	[mm²/s]	600		
Ambient temperature	[°C]	–10 … 60		
Temperature of medium	[°C]	–40 … 200		
CE marking (see declaration of conformity)		To EU Pressure Equipment Directive		

Materials			
Angle seat valves			Material number
1	Housing	Stainless steel casting	1.4408
2	Actuator head	Stainless steel	–
3	Stem seal	PTFE	–
	Seat seal	PTFE	–
–	Note on materials	Contains paint-wetting impairment substances, RoHS compliant	–

Angle seat valve VZXF

Technical data – Stainless steel casting, temperature of medium –40 … +200 °C

Dimensions Download CAD data ➔



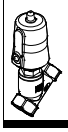
	D1	D2	D3 ∅	H1	L1	L2	L3	T	W	⫧
VZXF-L-…-G12-…-V4V4T-50-…	G½	G⅛	62	129	135	65	34	12	50°	27
VZXF-L-…-G34-…-V4V4T-50-…	G¾		62	130	138	75	34	13		32
VZXF-L-…-G1-…-V4V4T-50-…	G1		62	135	146	90	34	15		42
VZXF-L-…-G1-…-V4V4T-80-…	G1		94	177	184		48			
VZXF-L-…-G114-…-V4V4T-50-…	G1¼		62	151	155	110	34	17		50
VZXF-L-…-G114-…-V4V4T-80-…	G1¼		94	183	194		48			
VZXF-L-…-G112-…-V4V4T-50-…	G1½		62	155	174	120	34	19		55
VZXF-L-…-G112-…-V4V4T-80-…	G1½		94	187	202		48			
VZXF-L-…-G2-…-V4V4T-50-…	G2		62	167	193	150	34	21		70
VZXF-L-…-G2-…-V4V4T-80-…	G2		94	199	222		48			

Angle seat valve VZXF

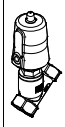
Technical data – Stainless steel casting, temperature of medium –40 … +200 °C

★ Core product range

Ordering data – Angle seat valve VZXF

	Process valve connection	Flow rate Kv [m³/h]	Medium pressure [bar]	Corrosion resistance CRC[1)]	Product weight [g]	Part No.	Type
	G½	3.3	0 … 40	3	1300	★ **1002513**	**VZXF-L-M22C-M-B-G12-130-M1-V4V4T-50-40**
	G¾	6.5	0 … 20		1400	★ **1002515**	**VZXF-L-M22C-M-B-G34-180-M1-V4V4T-50-20**
	G1	11	0 … 10		1600	★ **1002517**	**VZXF-L-M22C-M-B-G1-240-M1-V4V4T-50-10**

Ordering data – Angle seat valve VZXF

	Process valve connection	Flow rate Kv [m³/h]	Medium pressure [bar]	Corrosion resistance CRC[1)]	Product weight [g]	Part No.	Type
	G½	3.8	0 … 25	3	1300	**1002512**	**VZXF-L-M22C-M-A-G12-130-M1-V4V4T-50-25**
	G¾	7.5	0 … 20		1400	**1002514**	**VZXF-L-M22C-M-A-G34-180-M1-V4V4T-50-20**
	G1	12	0 … 16		1600	**1002516**	**VZXF-L-M22C-M-A-G1-240-M1-V4V4T-50-16**
		12	0 … 22		3600	**1002526**	**VZXF-L-M22C-M-B-G1-240-M1-V4V4-T-80-22**
		12.5	0 … 40			**1002525**	**VZXF-L-M22C-M-A-G1-240-M1-V4V4-T-80-40**
	G1¼	10.7	0 … 7		2200	**1002519**	**VZXF-L-M22C-M-B-G114-310-M1-V4V4T-50-7**
		17.5	0 … 10		3800	**1002528**	**VZXF-L-M22C-M-B-G114-310-M1-V4V4T-80-10**
		18.5	0 … 9		2200	**1002518**	**VZXF-L-M22C-M-A-G114-310-M1-V4V4T-50-9**
		19	0 … 25		3800	**1002527**	**VZXF-L-M22C-M-A-G114-310-M1-V4V4T-80-25**
	G1½	17.5	0 … 6		2500	**1002521**	**VZXF-L-M22C-M-B-G112-350-M1-V4V4T-50-6**
		25	0 … 7			**1002520**	**VZXF-L-M22C-M-A-G112-350-M1-V4V4T-50-7**
		28	0 … 8		4300	**1002530**	**VZXF-L-M22C-M-B-G112-350-M1-V4V4T-80-8**
		29	0 … 20			**1002529**	**VZXF-L-M22C-M-A-G112-350-M1-V4V4T-80-20**
	G2	19.5	0 … 3		3500	**1002523**	**VZXF-L-M22C-M-B-G2-450-M1-V4V4T-50-3**
		34.5	0 … 4			**1002522**	**VZXF-L-M22C-M-A-G2-450-M1-V4V4T-50-4**
		39	0 … 5		5400	**1002532**	**VZXF-L-M22C-M-B-G2-450-M1-V4V4T-80-5**
		43	0 … 12			**1002531**	**VZXF-L-M22C-M-A-G2-450-M1-V4V4T-80-12**

1) Corrosion resistance class CRC 3 to Festo standard FN 940070
High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.

Festo core product range	★ Ready for dispatch from the Festo factory in 24 hours ☆ Ready for dispatch in 5 days maximum from stock