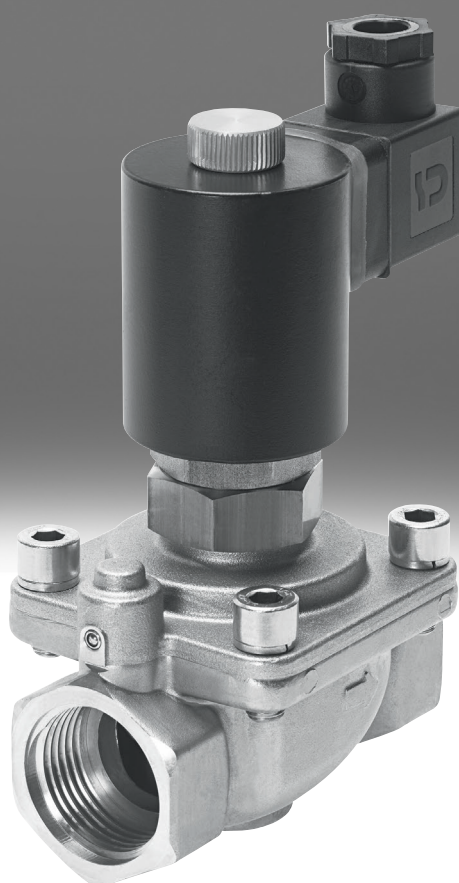


Solenoid valve VZWF

FESTO



Characteristics

At a glance

Solenoid valves VZWF with diaphragm, forced lifting and normally closed position. When the solenoid is energised, the differential pressure from the secondary side of the diaphragm is reduced via the servo bore. The effective differential pressure lifts the diaphragm away from the valve seat. If there is no differential pressure, the diaphragm is lifted directly by the solenoid. The valve opens and closes without pressure difference between the input and the output.

Note: The valves are suitable for vacuum with Pabs > 100 mbar. Please ensure the flow direction corresponds to the direction of the arrow.

Type code

001	Series	
VZWF	Solenoid valve, force pilot operated VZWF	
002	Product version	
	Standard	
B	Function-optimised	
003	Directional control valve type	
L	In-line valve	
004	Valve function	
M22C	2/2-way valve, normally closed	
005	Process valve connection	
G14	G1/4	
G38	G3/8	
G12	G1/2	
G34	G3/4	
G1	G1	
G114	G1 1/4	
G112	G1 1/2	
G2	G2	
N14	1/4 NPT	
N38	3/8 NPT	
N12	1/2 NPT	
N34	3/4 NPT	
N1	1 NPT	
N114	1 1/4 NPT	
N112	1 1/2 NPT	
N2	2 NPT	

006	Nominal width	
135	13.5 mm	
275	27.5 mm	
400	40 mm	
500	50 mm	
007	Sealant	
	Standard	
E	EPDM	
V	FPM	
008	Nominal operating voltage	
1	24 V DC	
2A	110 V AC/50-60 Hz	
3A	230 V AC/50-60 Hz	
009	Electrical connection	
P4	Plug socket, 3-wire	
010	Pressure of medium [bar]	
6	6	
10	10	
011	Corrosion protection	
	Standard	
R1	Stainless steel	

Datasheet

General technical data G thread

General technical data G 1/4 - G 2								
Connection Process valve	G1/4	G3/8	G1/2	G3/4	G1	G1 1/4	G1 1/2	G2
Nominal size	13.5 mm			27.5 mm		40 mm		50 mm
Valve function	2/2-way, closed, monostable							
Design	Diaphragm valve, Force pilot operated							
Type of mounting	In-line installation							
Type of actuation	Electric							
Manual override	None							
Mounting position	Solenoid vertical							
Sealing principle	Soft							
Flow direction	Non-reversible							
Max. viscosity	22 mm²/s							
Degree of protection	IP65							
Product weight	1,000 g			1,500 g		4,500 g		6,500 g

General technical data NPT thread

General technical data in 1 line								
Connection Process valve	1/4 NPT	3/8 NPT	1/2 NPT	3/4 NPT	1 NPT	1 1/4 NPT	1 1/2 NPT	2 NPT
Nominal size	13.5 mm			27.5 mm		40 mm		50 mm
Valve function	2/2-way, closed, monostable							
Design	Diaphragm valve, Force pilot operated							
Type of mounting	In-line installation							
Type of actuation	Electric							
Manual override	None							
Mounting position	Solenoid vertical							
Sealing principle	Soft							
Flow direction	Non-reversible							
Max. viscosity	22 mm²/s							
Degree of protection	IP65							
Product weight	1,000 g			1,500 g		4,500 g		6,500 g

Operating and environmental conditions G thread

Connection Process valve	G1/4	G3/8	G1/2	G3/4	G1	G1 1/4	G1 1/2	G2
Corrosion protection	Standard, Stainless steel							
Switching time on	130 ms			275 ms		620 ms		1,220 ms
Switching time off	180 ms			290 ms		1,140 ms		2,140 ms
Standard nominal flow rate (standardised to DIN 1343)	1,920 l/min	2,350 l/min	2,660 l/min	8,020 l/min	11,750 l/min	21,370 l/min	23,500 l/min	29,900 l/min
Flow rate Kv	1.8 m³/h	2.2 m³/h	2.5 m³/h	7.5 m³/h	11 m³/h	20 m³/h	22.5 m³/h	28 m³/h
Nominal pressure PN	40							
Pressure difference	0 MPa							
Pressure difference	0 bar							
Pressure difference	0 psi							
Medium pressure	0 MPa, 1 MPa			0 MPa, 0.6 MPa		0 MPa, 1 MPa		0 MPa, 0.6 MPa
Medium pressure ¹⁾	0 ... 10 bar			0 ... 6 bar		0 ... 10 bar		0 ... 6 bar
Medium pressure	0 psi, 145 psi			0 psi, 87 psi		0 psi, 145 psi		0 psi, 87 psi
Medium	Compressed air to ISO 8573-1:2010 [7::], Inert gases, Mineral oil, Water, Neutral fluids, Other media on request							
Ambient temperature	-10 ... 35°C							
Media temperature	-10 ... 80°C							
Leakage rate to EN 12266-1	A							
Corrosion resistance class CRC ²⁾	1 - Low corrosion stress, 3 - high corrosion stress							
UKCA marking (see declaration of conformity)	to UK Pressure Equipment Regulations, To UK regulations for electrical equipment							

1) The valves are suitable for vacuum with Pabs > 100 mbar. Please ensure the flow direction corresponds to the direction of the arrow.

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

Datasheet

Operating and environmental conditions NPT thread

Connection Process valve	1/4 NPT	3/8 NPT	1/2 NPT	3/4 NPT	1 NPT	1 1/4 NPT	1 1/2 NPT	2 NPT
Corrosion protection	Standard, Stainless steel							
Switching time on	130 ms			275 ms		620 ms		1,220 ms
Switching time off	180 ms			290 ms		1,140 ms		2,140 ms
Standard nominal flow rate (standardised to DIN 1343)	1,920 l/min	2,350 l/min	2,660 l/min	8,020 l/min	11,750 l/min	21,370 l/min	23,500 l/min	29,900 l/min
Flow rate Kv	1.8 m³/h	2.2 m³/h	2.5 m³/h	7.5 m³/h	11 m³/h	20 m³/h	22.5 m³/h	28 m³/h
Nominal pressure PN	40							
Pressure difference	0 MPa							
Pressure difference	0 bar							
Pressure difference	0 psi							
Medium pressure	0 MPa, 1 MPa			0 MPa, 0.6 MPa		0 MPa, 1 MPa		0 MPa, 0.6 MPa
Medium pressure ¹⁾	0 ... 10 bar			0 ... 6 bar		0 ... 10 bar		0 ... 6 bar
Medium pressure	0 psi, 145 psi			0 psi, 87 psi		0 psi, 145 psi		0 psi, 87 psi
Medium	Compressed air to ISO 8573-1:2010 [7:-], Inert gases, Mineral oil, Water, Neutral fluids, Other media on request							
Ambient temperature	-10 ... 35°C							
Media temperature	-10 ... 80°C							
Leakage rate to EN 12266-1	A							
Corrosion resistance class CRC ²⁾	1 - Low corrosion stress, 3 - high corrosion stress							
UKCA marking (see declaration of conformity)	to UK Pressure Equipment Regulations, To UK regulations for electrical equipment							

1) The valves are suitable for vacuum with Pabs > 100 mbar. Please ensure the flow direction corresponds to the direction of the arrow.

2) More information www.festo.com/x/topic/crc

Electrical data

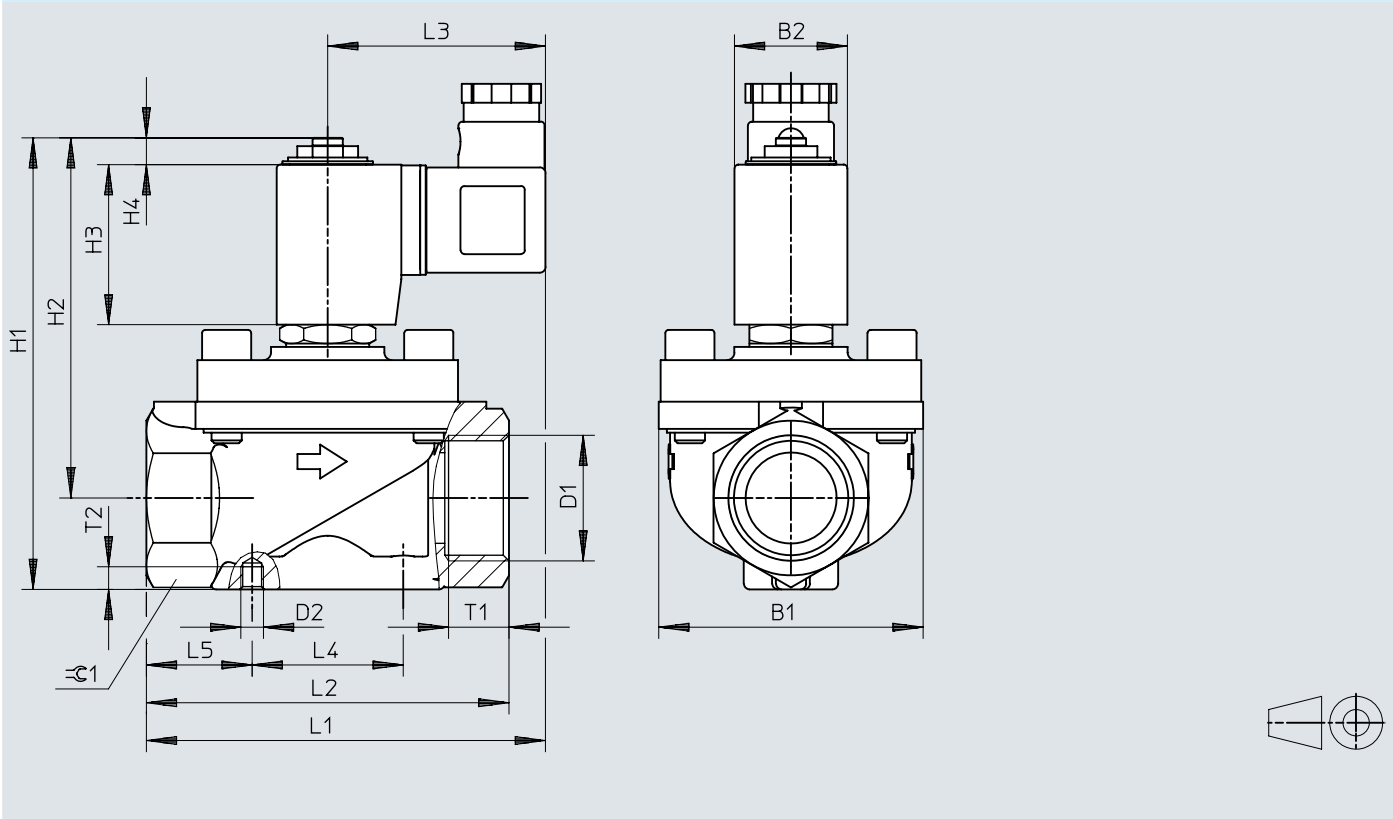
Electrical connection	Type A, Plugs, To EN 175301-803, Square design
CE mark (see declaration of conformity)	In accordance with EU Pressure Equipment Directive, To EU Low Voltage Directive
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA 110 V AC: 50/60 Hz, pick-up power 30.0 VA, holding power 30.0 VA 230 V AC: 50/60 Hz, pick-up power 18.0 VA, holding power 15.0 VA 230 V AC: 50/60 Hz, pick-up power 30.0 VA, holding power 30.0 VA 24 V DC: 11.0 W 24 V DC: 30.0 W
Permissible voltage fluctuations	+/- 10%

Materials

Material housing	Stainless steel casting, Cast brass
Material number housing	1.4581, CW617N
Material screws	High-alloy stainless steel
Material number screw	1.4301
Material seals	EPDM, FPM, NBR
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III

Dimensions

Dimensions – Connecting thread G1/4 ... G1 Download CAD data www.festo.com

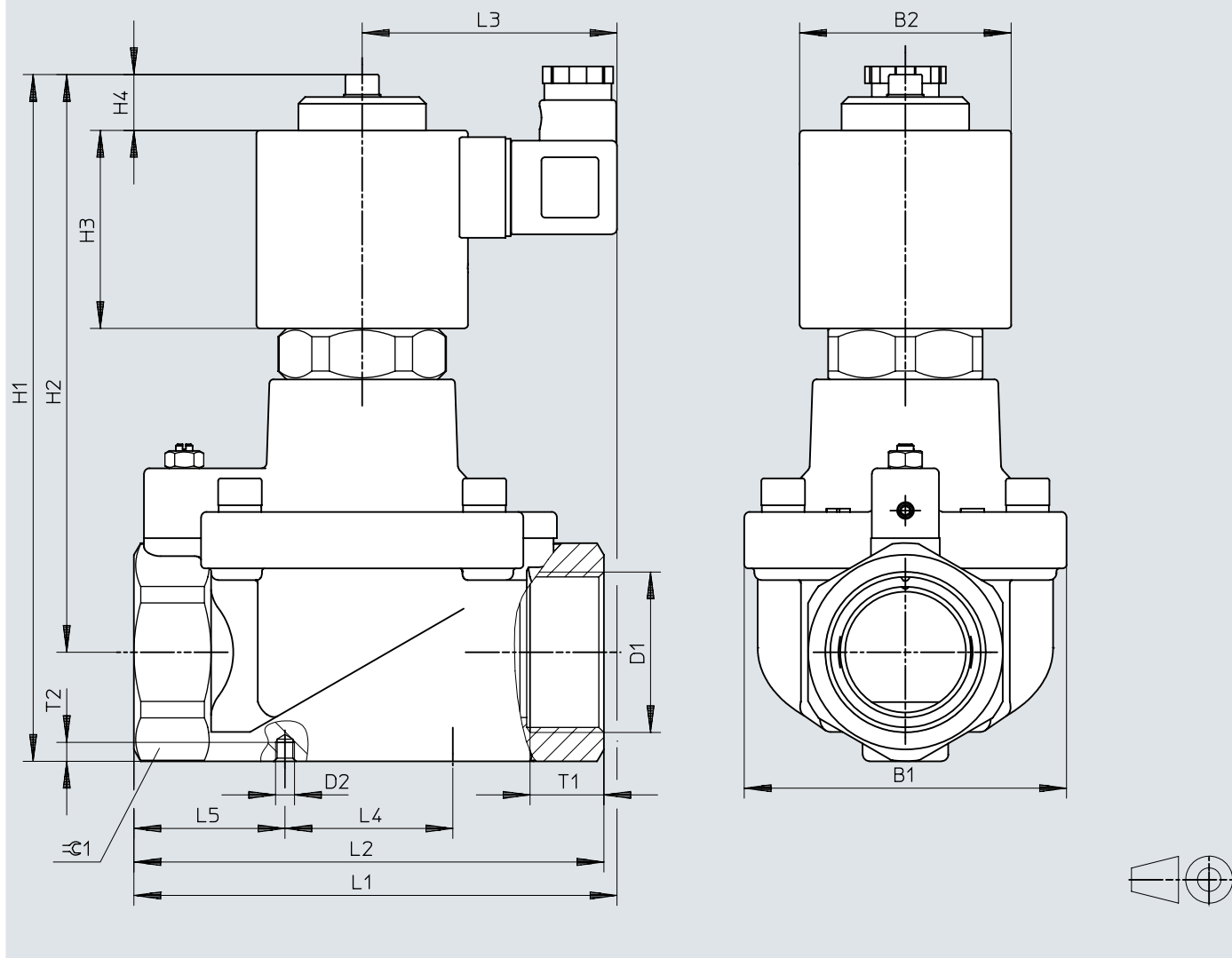


	B1	B2	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2	≅G1
VZWF-B-L-M22C-G14-135-...	48	30	G1/4	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-G14-135-...-R1	44	30	G1/4	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-G38-135-...	48	30	G3/8	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-G38-135-...-R1	44	30	G3/8	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-G12-135-...	48	30	G1/2	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-G12-135-...-R1	44	30	G1/2	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-G34-275-...	70	30	G3/4	M6	120	96	42	7	106	96	58	40	28	16	6	41
VZWF-B-L-M22C-G1-275-...	70	30	G1	M6	120	96	42	7	106	96	58	40	28	16	6	41

Dimensions

Dimensions – Connecting thread G1 1/4 ... G2

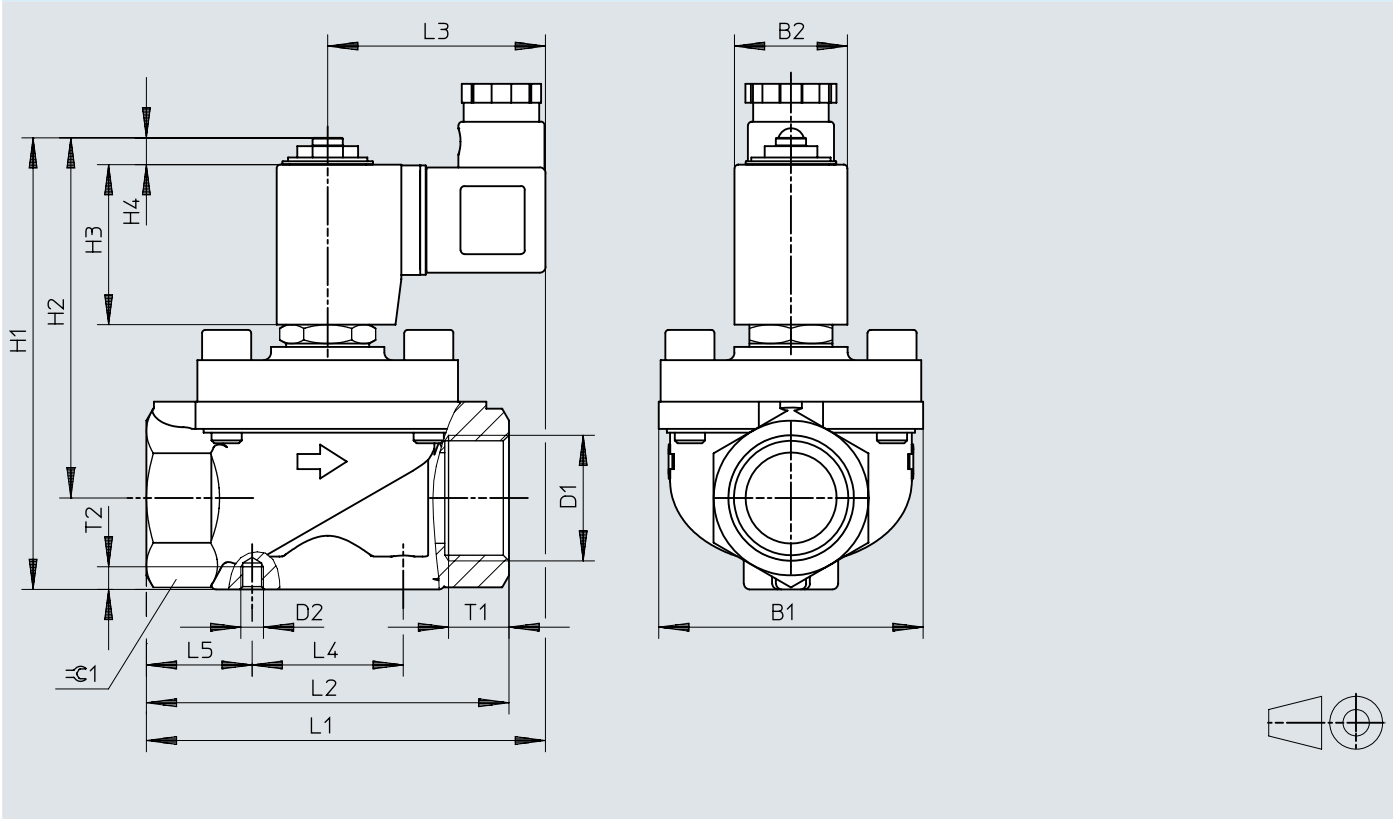
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	B1	B2	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2	$\approx \text{G}1$
VZWF-L-M22C-G114-400-...	96	63	G1 1/4	–	205	173	59	17	148	140	76	–	–	22	–	58
VZWF-L-M22C-G112-400-...	96	63	G1 1/2	–	205	173	59	17	148	140	76	–	–	22	–	58
VZWF-L-M22C-G2-500-...	112	63	G2	M6	218	179	59	17	159	168	76	60	55	25	6	70

Dimensions

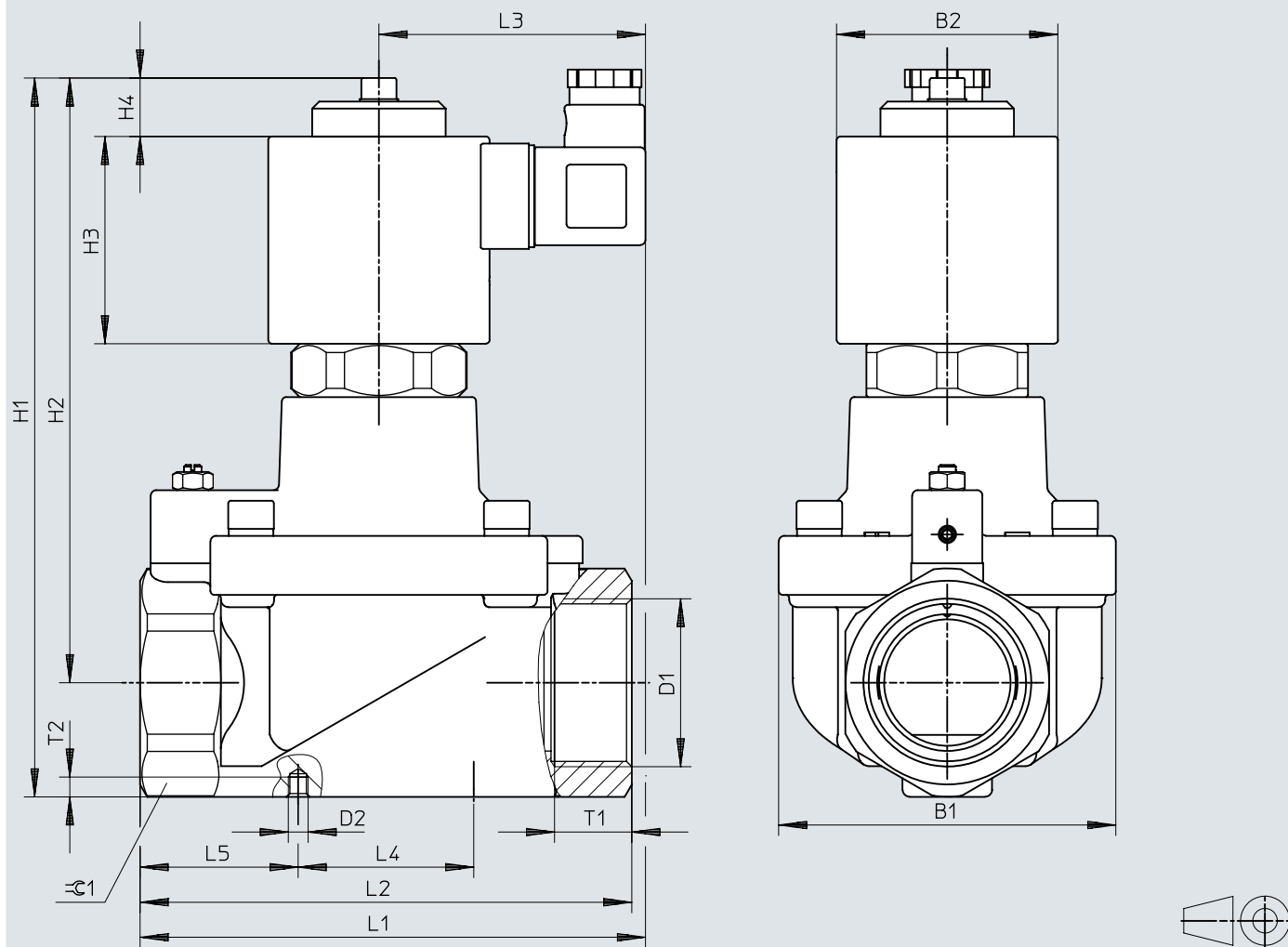
Dimensions – Connecting thread 1 1/4 NPT ... 1 NPT Download CAD data www.festo.com



	B1	B2	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2	≡G1
VZWF-B-L-M22C-N14-135-...	48	30	1/4NPT	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-N14-135-...-R1	44	30	1/4NPT	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-N38-135-...	48	30	3/8NPT	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-N38-135-...-R1	44	30	3/8NPT	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-N12-135-...	48	30	1/2NPT	M4	101	86	42	7	92	67	58	25	21	12	4	27
VZWF-B-L-M22C-N12-135-...-R1	44	30	1/2NPT	M4	101	86	42	7	94	67	58	25	21	12	4	27
VZWF-B-L-M22C-N34-275-...	70	30	3/4NPT	M6	120	96	42	7	106	96	58	40	28	16	6	41
VZWF-B-L-M22C-N1-275-...	70	30	1NPT	M6	120	96	42	7	106	96	58	40	28	16	6	41

Dimensions

Dimensions – Connecting thread 1 1/4 NPT ... 2 NPT

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	B1	B2	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2	$\approx \varnothing 1$
VZWF-L-M22C-N114-400-...	96	63	1 1/4NPT	–	205	173	59	17	148	140	76	–	–	22	–	58
VZWF-L-M22C-N112-400-...	96	63	1 1/2NPT	–	205	173	59	17	148	140	76	–	–	22	–	58
VZWF-L-M22C-N2-500-...	112	63	2NPT	M6	218	179	59	17	159	168	76	60	55	25	6	70

Ordering data

Ordering data					
	Connection Process valve	Nominal size	Valve function	Part no.	Type
	G1/4	13.5 mm	2/2-way, closed, monostable	1492246	VZWF-B-L-M22C-G14-135-V-2AP4-10-R1
	★ 1492118			VZWF-B-L-M22C-G14-135-1P4-10-R1	
				1492342	VZWF-B-L-M22C-G14-135-V-3AP4-10-R1
				1492334	VZWF-B-L-M22C-G14-135-V-3AP4-10
				★ 1492134	VZWF-B-L-M22C-G14-135-E-1P4-10-R1
				1492214	VZWF-B-L-M22C-G14-135-2AP4-10-R1
				★ 1492110	VZWF-B-L-M22C-G14-135-1P4-10
				1492326	VZWF-B-L-M22C-G14-135-E-3AP4-10-R1
				1492230	VZWF-B-L-M22C-G14-135-E-2AP4-10-R1
				1492222	VZWF-B-L-M22C-G14-135-E-2AP4-10
				1492206	VZWF-B-L-M22C-G14-135-2AP4-10
				1492318	VZWF-B-L-M22C-G14-135-E-3AP4-10
				1492126	VZWF-B-L-M22C-G14-135-E-1P4-10
				★ 1492302	VZWF-B-L-M22C-G14-135-3AP4-10
				1492238	VZWF-B-L-M22C-G14-135-V-2AP4-10
				1492310	VZWF-B-L-M22C-G14-135-3AP4-10-R1
				1492150	VZWF-B-L-M22C-G14-135-V-1P4-10-R1
				1492142	VZWF-B-L-M22C-G14-135-V-1P4-10
	1492343			VZWF-B-L-M22C-G38-135-V-3AP4-10-R1	
				1492239	VZWF-B-L-M22C-G38-135-V-2AP4-10
				1492231	VZWF-B-L-M22C-G38-135-E-2AP4-10-R1
				1492311	VZWF-B-L-M22C-G38-135-3AP4-10-R1
				★ 1492119	VZWF-B-L-M22C-G38-135-1P4-10-R1
				★ 1492151	VZWF-B-L-M22C-G38-135-V-1P4-10-R1
				1492319	VZWF-B-L-M22C-G38-135-E-3AP4-10
				1492335	VZWF-B-L-M22C-G38-135-V-3AP4-10
				★ 1492111	VZWF-B-L-M22C-G38-135-1P4-10
				1492247	VZWF-B-L-M22C-G38-135-V-2AP4-10-R1
				1492327	VZWF-B-L-M22C-G38-135-E-3AP4-10-R1
				1492303	VZWF-B-L-M22C-G38-135-3AP4-10
				1492143	VZWF-B-L-M22C-G38-135-V-1P4-10
				1492127	VZWF-B-L-M22C-G38-135-E-1P4-10
				1492215	VZWF-B-L-M22C-G38-135-2AP4-10-R1
				1492207	VZWF-B-L-M22C-G38-135-2AP4-10
				★ 1492135	VZWF-B-L-M22C-G38-135-E-1P4-10-R1
	1492223			VZWF-B-L-M22C-G38-135-E-2AP4-10	
	★ 1492336			VZWF-B-L-M22C-G12-135-V-3AP4-10	
				★ 1492120	VZWF-B-L-M22C-G12-135-1P4-10-R1
				★ 1492152	VZWF-B-L-M22C-G12-135-V-1P4-10-R1
				★ 1492112	VZWF-B-L-M22C-G12-135-1P4-10
				1492232	VZWF-B-L-M22C-G12-135-E-2AP4-10-R1
				1492320	VZWF-B-L-M22C-G12-135-E-3AP4-10
				★ 1492208	VZWF-B-L-M22C-G12-135-2AP4-10
				★ 1492248	VZWF-B-L-M22C-G12-135-V-2AP4-10-R1
				★ 1492304	VZWF-B-L-M22C-G12-135-3AP4-10
				★ 1492128	VZWF-B-L-M22C-G12-135-E-1P4-10
				★ 1492136	VZWF-B-L-M22C-G12-135-E-1P4-10-R1
				1492240	VZWF-B-L-M22C-G12-135-V-2AP4-10
				★ 1492224	VZWF-B-L-M22C-G12-135-E-2AP4-10
				1492344	VZWF-B-L-M22C-G12-135-V-3AP4-10-R1

Ordering data

Ordering data								
	Connection Process valve	Nominal size	Valve function	Part no.	Type			
	G1/2	13.5 mm	2/2-way, closed, monostable	1492144	VZWF-B-L-M22C-G12-135-V-1P4-10			
				1492312	VZWF-B-L-M22C-G12-135-3AP4-10-R1			
				1492328	VZWF-B-L-M22C-G12-135-E-3AP4-10-R1			
				1492216	VZWF-B-L-M22C-G12-135-2AP4-10-R1			
	G3/4	27.5 mm		1492321	VZWF-B-L-M22C-G34-275-E-3AP4-6			
				1492233	VZWF-B-L-M22C-G34-275-E-2AP4-6-R1			
				1492209	VZWF-B-L-M22C-G34-275-2AP4-6			
				1492305	VZWF-B-L-M22C-G34-275-3AP4-6			
				1492345	VZWF-B-L-M22C-G34-275-V-3AP4-6-R1			
				★ 1492137	VZWF-B-L-M22C-G34-275-E-1P4-6-R1			
				1492225	VZWF-B-L-M22C-G34-275-E-2AP4-6			
				★ 1492129	VZWF-B-L-M22C-G34-275-E-1P4-6			
				1492153	VZWF-B-L-M22C-G34-275-V-1P4-6-R1			
				1492337	VZWF-B-L-M22C-G34-275-V-3AP4-6			
				★ 1492113	VZWF-B-L-M22C-G34-275-1P4-6			
				1492217	VZWF-B-L-M22C-G34-275-2AP4-6-R1			
				1492329	VZWF-B-L-M22C-G34-275-E-3AP4-6-R1			
				★ 1492121	VZWF-B-L-M22C-G34-275-1P4-6-R1			
				1492145	VZWF-B-L-M22C-G34-275-V-1P4-6			
				★ 1492313	VZWF-B-L-M22C-G34-275-3AP4-6-R1			
				1492241	VZWF-B-L-M22C-G34-275-V-2AP4-6			
				1492249	VZWF-B-L-M22C-G34-275-V-2AP4-6-R1			
				G1			1492322	VZWF-B-L-M22C-G1-275-E-3AP4-6
							1492338	VZWF-B-L-M22C-G1-275-V-3AP4-6
							★ 1492114	VZWF-B-L-M22C-G1-275-1P4-6
	1492250	VZWF-B-L-M22C-G1-275-V-2AP4-6-R1						
	★ 1492122	VZWF-B-L-M22C-G1-275-1P4-6-R1						
	1492330	VZWF-B-L-M22C-G1-275-E-3AP4-6-R1						
	★ 1492306	VZWF-B-L-M22C-G1-275-3AP4-6						
	1492130	VZWF-B-L-M22C-G1-275-E-1P4-6						
	★ 1492146	VZWF-B-L-M22C-G1-275-V-1P4-6						
	★ 1492234	VZWF-B-L-M22C-G1-275-E-2AP4-6-R1						
	1492226	VZWF-B-L-M22C-G1-275-E-2AP4-6						
	1492314	VZWF-B-L-M22C-G1-275-3AP4-6-R1						
	1492346	VZWF-B-L-M22C-G1-275-V-3AP4-6-R1						
	1492242	VZWF-B-L-M22C-G1-275-V-2AP4-6						
	★ 1492138	VZWF-B-L-M22C-G1-275-E-1P4-6-R1						
	1492218	VZWF-B-L-M22C-G1-275-2AP4-6-R1						
	1492210	VZWF-B-L-M22C-G1-275-2AP4-6						
	★ 1492154	VZWF-B-L-M22C-G1-275-V-1P4-6-R1						
	G1 1/4	40 mm					1492235	VZWF-L-M22C-G114-400-E-2AP4-10-R1
							1492323	VZWF-L-M22C-G114-400-E-3AP4-10
							1492347	VZWF-L-M22C-G114-400-V-3AP4-10-R1
				1492131	VZWF-L-M22C-G114-400-E-1P4-10			
				1492155	VZWF-L-M22C-G114-400-V-1P4-10-R1			
				1492315	VZWF-L-M22C-G114-400-3AP4-10-R1			
				1492243	VZWF-L-M22C-G114-400-V-2AP4-10			
				1492227	VZWF-L-M22C-G114-400-E-2AP4-10			
				1492251	VZWF-L-M22C-G114-400-V-2AP4-10-R1			
				1492139	VZWF-L-M22C-G114-400-E-1P4-10-R1			

Ordering data

Ordering data						
	Connection Process valve	Nominal size	Valve function	Part no.	Type	
	G1 1/4	40 mm	2/2-way, closed, monostable	1492331	VZWF-L-M22C-G114-400-E-3AP4-10-R1	
				1492219	VZWF-L-M22C-G114-400-2AP4-10-R1	
				★ 1492115	VZWF-L-M22C-G114-400-1P4-10	
				1492307	VZWF-L-M22C-G114-400-3AP4-10	
				1492211	VZWF-L-M22C-G114-400-2AP4-10	
				1492123	VZWF-L-M22C-G114-400-1P4-10-R1	
				1492147	VZWF-L-M22C-G114-400-V-1P4-10	
				1492339	VZWF-L-M22C-G114-400-V-3AP4-10	
	G1 1/2			1492140	VZWF-L-M22C-G112-400-E-1P4-10-R1	
				1492348	VZWF-L-M22C-G112-400-V-3AP4-10-R1	
				1492212	VZWF-L-M22C-G112-400-2AP4-10	
				1492148	VZWF-L-M22C-G112-400-V-1P4-10	
				★ 1492156	VZWF-L-M22C-G112-400-V-1P4-10-R1	
				1492220	VZWF-L-M22C-G112-400-2AP4-10-R1	
				1492340	VZWF-L-M22C-G112-400-V-3AP4-10	
				1492332	VZWF-L-M22C-G112-400-E-3AP4-10-R1	
				1492124	VZWF-L-M22C-G112-400-1P4-10-R1	
				1492308	VZWF-L-M22C-G112-400-3AP4-10	
				★ 1492116	VZWF-L-M22C-G112-400-1P4-10	
				1492244	VZWF-L-M22C-G112-400-V-2AP4-10	
				1492252	VZWF-L-M22C-G112-400-V-2AP4-10-R1	
				1492236	VZWF-L-M22C-G112-400-E-2AP4-10-R1	
				1492316	VZWF-L-M22C-G112-400-3AP4-10-R1	
				1492324	VZWF-L-M22C-G112-400-E-3AP4-10	
				1492228	VZWF-L-M22C-G112-400-E-2AP4-10	
		1492132		VZWF-L-M22C-G112-400-E-1P4-10		
		G2		1492317	VZWF-L-M22C-G2-500-3AP4-6-R1	
				1492213	VZWF-L-M22C-G2-500-2AP4-6	
				1492309	VZWF-L-M22C-G2-500-3AP4-6	
				1492221	VZWF-L-M22C-G2-500-2AP4-6-R1	
				1492141	VZWF-L-M22C-G2-500-E-1P4-6-R1	
				1492157	VZWF-L-M22C-G2-500-V-1P4-6-R1	
				1492149	VZWF-L-M22C-G2-500-V-1P4-6	
				1492349	VZWF-L-M22C-G2-500-V-3AP4-6-R1	
				1492245	VZWF-L-M22C-G2-500-V-2AP4-6	
	1492325			VZWF-L-M22C-G2-500-E-3AP4-6		
	1492229			VZWF-L-M22C-G2-500-E-2AP4-6		
	1492133			VZWF-L-M22C-G2-500-E-1P4-6		
	★ 1492125			VZWF-L-M22C-G2-500-1P4-6-R1		
	★ 1492117			VZWF-L-M22C-G2-500-1P4-6		
	1492341			VZWF-L-M22C-G2-500-V-3AP4-6		
	★ 1492237			VZWF-L-M22C-G2-500-E-2AP4-6-R1		
	1492333			VZWF-L-M22C-G2-500-E-3AP4-6-R1		
	1492253			VZWF-L-M22C-G2-500-V-2AP4-6-R1		
	1/4 NPT			13.5 mm	1492286	VZWF-B-L-M22C-N14-135-V-2AP4-10
					1492174	VZWF-B-L-M22C-N14-135-E-1P4-10
		1492374			VZWF-B-L-M22C-N14-135-E-3AP4-10-R1	
		1492270			VZWF-B-L-M22C-N14-135-E-2AP4-10	
		1492358			VZWF-B-L-M22C-N14-135-3AP4-10-R1	
1492262		VZWF-B-L-M22C-N14-135-2AP4-10-R1				

Ordering data

Ordering data							
	Connection Process valve	Nominal size	Valve function	Part no.	Type		
	1/4 NPT	13.5 mm	2/2-way, closed, monostable	1492366	VZWF-B-L-M22C-N14-135-E-3AP4-10		
				1492294	VZWF-B-L-M22C-N14-135-V-2AP4-10-R1		
				1492278	VZWF-B-L-M22C-N14-135-E-2AP4-10-R1		
				1492390	VZWF-B-L-M22C-N14-135-V-3AP4-10-R1		
				1492182	VZWF-B-L-M22C-N14-135-E-1P4-10-R1		
				1492158	VZWF-B-L-M22C-N14-135-1P4-10		
				1492190	VZWF-B-L-M22C-N14-135-V-1P4-10		
				1492350	VZWF-B-L-M22C-N14-135-3AP4-10		
				1492166	VZWF-B-L-M22C-N14-135-1P4-10-R1		
				1492254	VZWF-B-L-M22C-N14-135-2AP4-10		
				1492198	VZWF-B-L-M22C-N14-135-V-1P4-10-R1		
				1492382	VZWF-B-L-M22C-N14-135-V-3AP4-10		
	3/8 NPT				1492191	VZWF-B-L-M22C-N38-135-V-1P4-10	
	1492263				VZWF-B-L-M22C-N38-135-2AP4-10-R1		
	1492375				VZWF-B-L-M22C-N38-135-E-3AP4-10-R1		
	1492183				VZWF-B-L-M22C-N38-135-E-1P4-10-R1		
	1492287				VZWF-B-L-M22C-N38-135-V-2AP4-10		
	1492295				VZWF-B-L-M22C-N38-135-V-2AP4-10-R1		
	1492271				VZWF-B-L-M22C-N38-135-E-2AP4-10		
	1492167				VZWF-B-L-M22C-N38-135-1P4-10-R1		
	1492199				VZWF-B-L-M22C-N38-135-V-1P4-10-R1		
	1492383				VZWF-B-L-M22C-N38-135-V-3AP4-10		
	1492279				VZWF-B-L-M22C-N38-135-E-2AP4-10-R1		
	1492391				VZWF-B-L-M22C-N38-135-V-3AP4-10-R1		
	1492367				VZWF-B-L-M22C-N38-135-E-3AP4-10		
	★ 1492359				VZWF-B-L-M22C-N38-135-3AP4-10-R1		
	1492175				VZWF-B-L-M22C-N38-135-E-1P4-10		
	1492351				VZWF-B-L-M22C-N38-135-3AP4-10		
	1492255				VZWF-B-L-M22C-N38-135-2AP4-10		
	1492159				VZWF-B-L-M22C-N38-135-1P4-10		
	1/2 NPT					★ 1492168	VZWF-B-L-M22C-N12-135-1P4-10-R1
	1492368					VZWF-B-L-M22C-N12-135-E-3AP4-10	
	1492256	VZWF-B-L-M22C-N12-135-2AP4-10					
	★ 1492200	VZWF-B-L-M22C-N12-135-V-1P4-10-R1					
	1492192	VZWF-B-L-M22C-N12-135-V-1P4-10					
	1492288	VZWF-B-L-M22C-N12-135-V-2AP4-10					
	1492392	VZWF-B-L-M22C-N12-135-V-3AP4-10-R1					
	1492384	VZWF-B-L-M22C-N12-135-V-3AP4-10					
	1492352	VZWF-B-L-M22C-N12-135-3AP4-10					
	1492376	VZWF-B-L-M22C-N12-135-E-3AP4-10-R1					
	1492264	VZWF-B-L-M22C-N12-135-2AP4-10-R1					
	★ 1492176	VZWF-B-L-M22C-N12-135-E-1P4-10					
	1492280	VZWF-B-L-M22C-N12-135-E-2AP4-10-R1					
	1492296	VZWF-B-L-M22C-N12-135-V-2AP4-10-R1					
	1492184	VZWF-B-L-M22C-N12-135-E-1P4-10-R1					
	1492360	VZWF-B-L-M22C-N12-135-3AP4-10-R1					
	★ 1492160	VZWF-B-L-M22C-N12-135-1P4-10					
	1492272	VZWF-B-L-M22C-N12-135-E-2AP4-10					
	3/4 NPT	27.5 mm		1492377		VZWF-B-L-M22C-N34-275-E-3AP4-6-R1	
	1492369			VZWF-B-L-M22C-N34-275-E-3AP4-6			

Ordering data

Ordering data					
	Connection Process valve	Nominal size	Valve function	Part no.	Type
	3/4 NPT	27.5 mm	2/2-way, closed, monostable	1492353	VZWF-B-L-M22C-N34-275-3AP4-6
				1492297	VZWF-B-L-M22C-N34-275-V-2AP4-6-R1
				1492257	VZWF-B-L-M22C-N34-275-2AP4-6
				1492185	VZWF-B-L-M22C-N34-275-E-1P4-6-R1
				1492177	VZWF-B-L-M22C-N34-275-E-1P4-6
				1492161	VZWF-B-L-M22C-N34-275-1P4-6
				1492201	VZWF-B-L-M22C-N34-275-V-1P4-6-R1
				1492273	VZWF-B-L-M22C-N34-275-E-2AP4-6
				1492385	VZWF-B-L-M22C-N34-275-V-3AP4-6
				1492289	VZWF-B-L-M22C-N34-275-V-2AP4-6
				1492193	VZWF-B-L-M22C-N34-275-V-1P4-6
				1492393	VZWF-B-L-M22C-N34-275-V-3AP4-6-R1
				1492281	VZWF-B-L-M22C-N34-275-E-2AP4-6-R1
				1492361	VZWF-B-L-M22C-N34-275-3AP4-6-R1
				★ 1492169	VZWF-B-L-M22C-N34-275-1P4-6-R1
				1492265	VZWF-B-L-M22C-N34-275-2AP4-6-R1
				1492274	VZWF-B-L-M22C-N1-275-E-2AP4-6
				1492298	VZWF-B-L-M22C-N1-275-V-2AP4-6-R1
				1492370	VZWF-B-L-M22C-N1-275-E-3AP4-6
				1492258	VZWF-B-L-M22C-N1-275-2AP4-6
				1492394	VZWF-B-L-M22C-N1-275-V-3AP4-6-R1
				★ 1492170	VZWF-B-L-M22C-N1-275-1P4-6-R1
				1492202	VZWF-B-L-M22C-N1-275-V-1P4-6-R1
				1492178	VZWF-B-L-M22C-N1-275-E-1P4-6
				1492186	VZWF-B-L-M22C-N1-275-E-1P4-6-R1
				1492290	VZWF-B-L-M22C-N1-275-V-2AP4-6
				1492362	VZWF-B-L-M22C-N1-275-3AP4-6-R1
				1492354	VZWF-B-L-M22C-N1-275-3AP4-6
				1492266	VZWF-B-L-M22C-N1-275-2AP4-6-R1
				1492194	VZWF-B-L-M22C-N1-275-V-1P4-6
				1492386	VZWF-B-L-M22C-N1-275-V-3AP4-6
				1492162	VZWF-B-L-M22C-N1-275-1P4-6
				1492282	VZWF-B-L-M22C-N1-275-E-2AP4-6-R1
				1492378	VZWF-B-L-M22C-N1-275-E-3AP4-6-R1
				1492259	VZWF-L-M22C-N114-400-2AP4-10
				1492171	VZWF-L-M22C-N114-400-1P4-10-R1
				1492379	VZWF-L-M22C-N114-400-E-3AP4-10-R1
				1492163	VZWF-L-M22C-N114-400-1P4-10
				1492195	VZWF-L-M22C-N114-400-V-1P4-10
				1492363	VZWF-L-M22C-N114-400-3AP4-10-R1
				1492395	VZWF-L-M22C-N114-400-V-3AP4-10-R1
				1492179	VZWF-L-M22C-N114-400-E-1P4-10
				1492267	VZWF-L-M22C-N114-400-2AP4-10-R1
				1492371	VZWF-L-M22C-N114-400-E-3AP4-10
				1492291	VZWF-L-M22C-N114-400-V-2AP4-10
				1492203	VZWF-L-M22C-N114-400-V-1P4-10-R1
				1492299	VZWF-L-M22C-N114-400-V-2AP4-10-R1
				1492275	VZWF-L-M22C-N114-400-E-2AP4-10
				1492283	VZWF-L-M22C-N114-400-E-2AP4-10-R1
				1492387	VZWF-L-M22C-N114-400-V-3AP4-10
	1 NPT				
	1 1/4 NPT	40 mm			

Ordering data

Ordering data					
	Connection Process valve	Nominal size	Valve function	Part no.	Type
	1 1/4 NPT	40 mm	2/2-way, closed, monostable	1492187	VZWF-L-M22C-N114-400-E-1P4-10-R1
	1 1/2 NPT			1492355	VZWF-L-M22C-N114-400-3AP4-10
				1492268	VZWF-L-M22C-N112-400-2AP4-10-R1
				1492396	VZWF-L-M22C-N112-400-V-3AP4-10-R1
				1492372	VZWF-L-M22C-N112-400-E-3AP4-10
				1492260	VZWF-L-M22C-N112-400-2AP4-10
				1492188	VZWF-L-M22C-N112-400-E-1P4-10-R1
				1492300	VZWF-L-M22C-N112-400-V-2AP4-10-R1
				1492356	VZWF-L-M22C-N112-400-3AP4-10
				1492196	VZWF-L-M22C-N112-400-V-1P4-10
				1492284	VZWF-L-M22C-N112-400-E-2AP4-10-R1
				1492164	VZWF-L-M22C-N112-400-1P4-10
				1492204	VZWF-L-M22C-N112-400-V-1P4-10-R1
				1492364	VZWF-L-M22C-N112-400-3AP4-10-R1
				1492292	VZWF-L-M22C-N112-400-V-2AP4-10
				1492180	VZWF-L-M22C-N112-400-E-1P4-10
				1492380	VZWF-L-M22C-N112-400-E-3AP4-10-R1
				1492388	VZWF-L-M22C-N112-400-V-3AP4-10
				1492172	VZWF-L-M22C-N112-400-1P4-10-R1
				1492276	VZWF-L-M22C-N112-400-E-2AP4-10
	2 NPT	50 mm	1492373	VZWF-L-M22C-N2-500-E-3AP4-6	
			1492365	VZWF-L-M22C-N2-500-3AP4-6-R1	
			1492389	VZWF-L-M22C-N2-500-V-3AP4-6	
			1492205	VZWF-L-M22C-N2-500-V-1P4-6-R1	
			1492397	VZWF-L-M22C-N2-500-V-3AP4-6-R1	
			1492181	VZWF-L-M22C-N2-500-E-1P4-6	
			1492261	VZWF-L-M22C-N2-500-2AP4-6	
			1492165	VZWF-L-M22C-N2-500-1P4-6	
			1492277	VZWF-L-M22C-N2-500-E-2AP4-6	
			1492173	VZWF-L-M22C-N2-500-1P4-6-R1	
			1492301	VZWF-L-M22C-N2-500-V-2AP4-6-R1	
			1492357	VZWF-L-M22C-N2-500-3AP4-6	
			1492189	VZWF-L-M22C-N2-500-E-1P4-6-R1	
			1492381	VZWF-L-M22C-N2-500-E-3AP4-6-R1	
			1492293	VZWF-L-M22C-N2-500-V-2AP4-6	
			1492269	VZWF-L-M22C-N2-500-2AP4-6-R1	
			1492197	VZWF-L-M22C-N2-500-V-1P4-6	
			1492285	VZWF-L-M22C-N2-500-E-2AP4-6-R1	