

Solenoid valve VZWD

FESTO



Characteristics

At a glance

Directly actuated operated solenoid valves VZWD are mainly intended for applications with high pressure ranges and low flow rates. Directly actuated valves switch the sealing element directly via the solenoid system. The seal generally has to lift away from the seat against the effective operating pressure using just the actuator. A closing spring keeps the valve closed supported by the pressure of the medium. The function is dependent on the seat size, the effective operating pressure and the magnetic force. The difference with respect to force pilot operated solenoid valves (VZWF) lies in the flow rate.

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
VZWD	Solenoid valve, directly actuated VZWD

002	Directional control valve type
L	In-line valve

003	Valve function
M22C	2/2-way valve, normally closed

004	Reset method for monostable/single solenoid valves
M	Mechanical spring

005	Process valve connection
G18	G1/8
G14	G1/4
N18	1/8 NPT
N14	1/4 NPT

006	Nominal width
10	1 mm
15	1.5 mm
20	2 mm
25	2.5 mm
30	3 mm
40	4 mm
50	5 mm
60	6 mm

007	Sealant
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]
4	4
5	5
8	8
15	15
22	22
30	30
40	40
50	50
85	85
90	90

011	Corrosion protection
	Standard
R1	Stainless steel

Datasheet

General technical data, G thread and NPT thread

Nominal size	1 mm	1.5 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm
Connection Process valve	G1/8, G1/4, 1/8 NPT, 1/4 NPT							
Nominal pressure PN	50 100				100			
Valve function	2/2-way, closed, monostable							
Design	Directly actuated poppet valve							
Type of mounting	In-line installation							
Type of actuation	Electric							
Type of reset	Mechanical spring							
Flow direction	Non-reversible							
Type of piloting	Direct							
Manual override	None							
Mounting position	optional							
Sealing principle	Soft							
Max. viscosity	22 mm ² /s							
Degree of protection	IP65							

Operating and environmental conditions, G thread and NPT thread

Nominal size	1 mm	1.5 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm
Standard nominal flow rate (standardised to DIN 1343)	60 l/min	95 l/min	140 l/min	170 l/min	210 l/min	310 l/min	375 l/min	430 l/min
Flow rate Kv	0.06 m ³ /h	0.09 m ³ /h	0.13 m ³ /h	0.16 m ³ /h	0.2 m ³ /h	0.3 m ³ /h	0.35 m ³ /h	0.4 m ³ /h
Nominal pressure PN	50 ... 100				100			
Medium	Compressed air to ISO 8573-1:2010 [7:4:4], Inert gases, Mineral oil, Water, Neutral fluids, Other media on request							
Medium pressure	0 MPa, 5 MPa, 9 MPa	0 MPa, 3 MPa, 8.5 MPa	0 MPa, 1.5 MPa, 4 MPa	0 MPa, 0.8 MPa, 2.2 MPa	0 MPa, 1.5 MPa	0 MPa, 0.8 MPa	0 MPa, 0.5 MPa	0 MPa, 0.4 MPa
Medium pressure	0 bar, 50 bar, 90 bar	0 bar, 30 bar, 85 bar	0 bar, 15 bar, 40 bar	0 bar, 8 bar, 22 bar	0 bar, 15 bar	0 bar, 8 bar	0 bar, 5 bar	0 bar, 4 bar
Medium pressure	0 psi, 725 psi, 1,305 psi	0 psi, 435 psi, 1,232.5 psi	0 psi, 217.5 psi, 580 psi	0 psi, 116 psi, 319 psi	0 psi, 217.5 psi	0 psi, 116 psi	0 psi, 72.5 psi	0 psi, 58 psi
Pressure difference	0 MPa							
Pressure difference	0 bar							
Pressure difference	0 psi							
Ambient temperature	-10 ... 35°C							
Media temperature	-10 ... 80°C							
Leakage rate to EN 12266-1	A							
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress, 3 - high corrosion stress							
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment							

1) Corrosion resistance class CRC 1 according to Festo standard FN 940070. Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, or parts that are covered in the application (e.g. drive trunnions).

Electrical data, G thread and NPT thread

Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 10.5 VA, holding power 8.0 VA	110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 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 10.5 VA, holding power 7.6 VA	24 V DC: 11.0 W	24 V DC: 6.8 W
Electrical connection	Type A, Plugs, To EN 175301-803, Square design					
CE mark (see declaration of conformity)	To EU Low Voltage Directive				-	
Insulation material class	F				H	
Duty cycle	100%					
Permissible voltage fluctuations	+/- 10%					
Switching time on	20 ... 25 ms	20 ms	20 ... 25 ms	20 ms	25 ms	
Switching time off	10 ... 18 ms	18 ms	10 ... 18 ms	18 ms	10 ms	

Datasheet

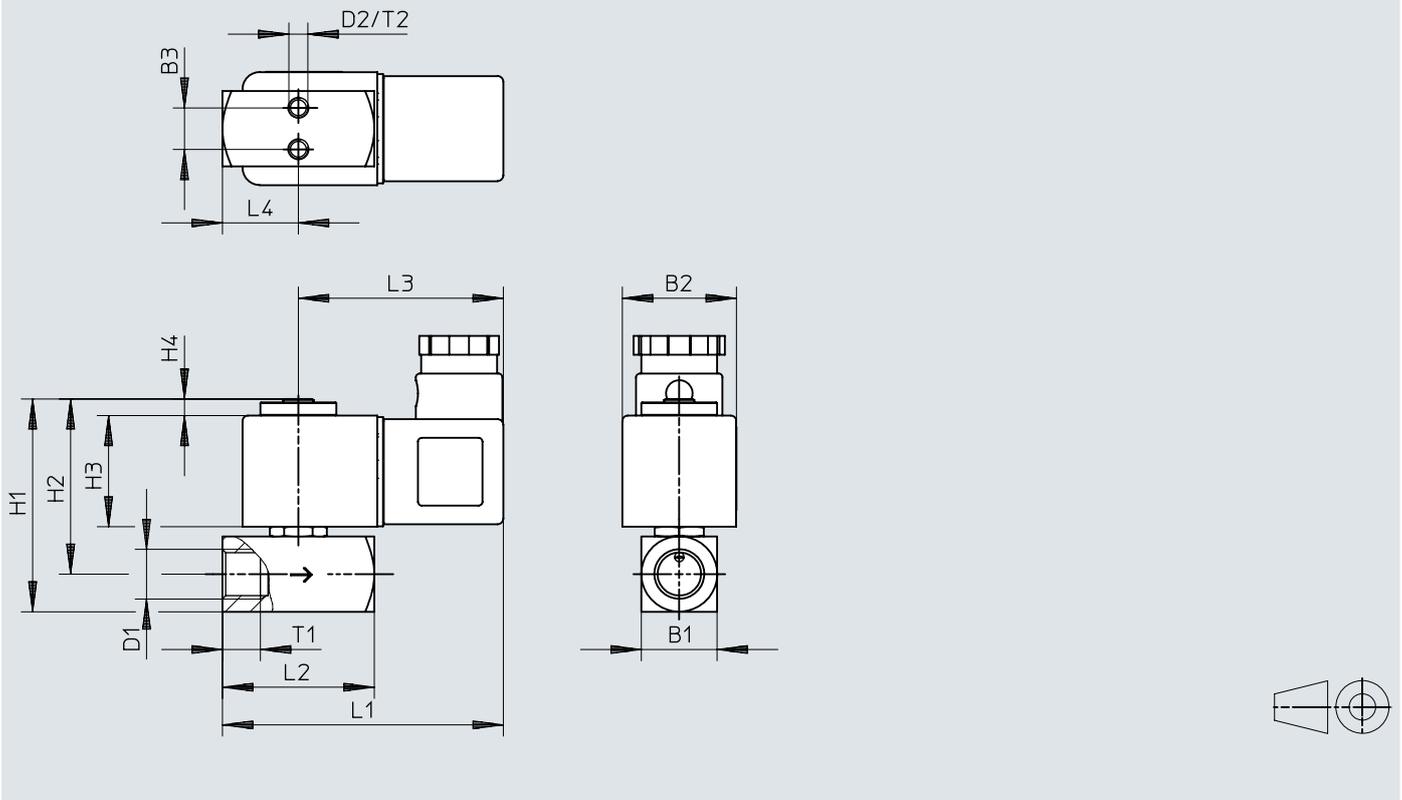
Material, G thread and NPT thread

Material housing	Brass, Cast brass, High-alloy stainless steel
Material number housing	1.4305, CW614N, CW617N
Material seals	FPM
Note on materials	RoHS-compliant

Dimensions

Dimensions – Milled brass housing, nominal pressure PN 50

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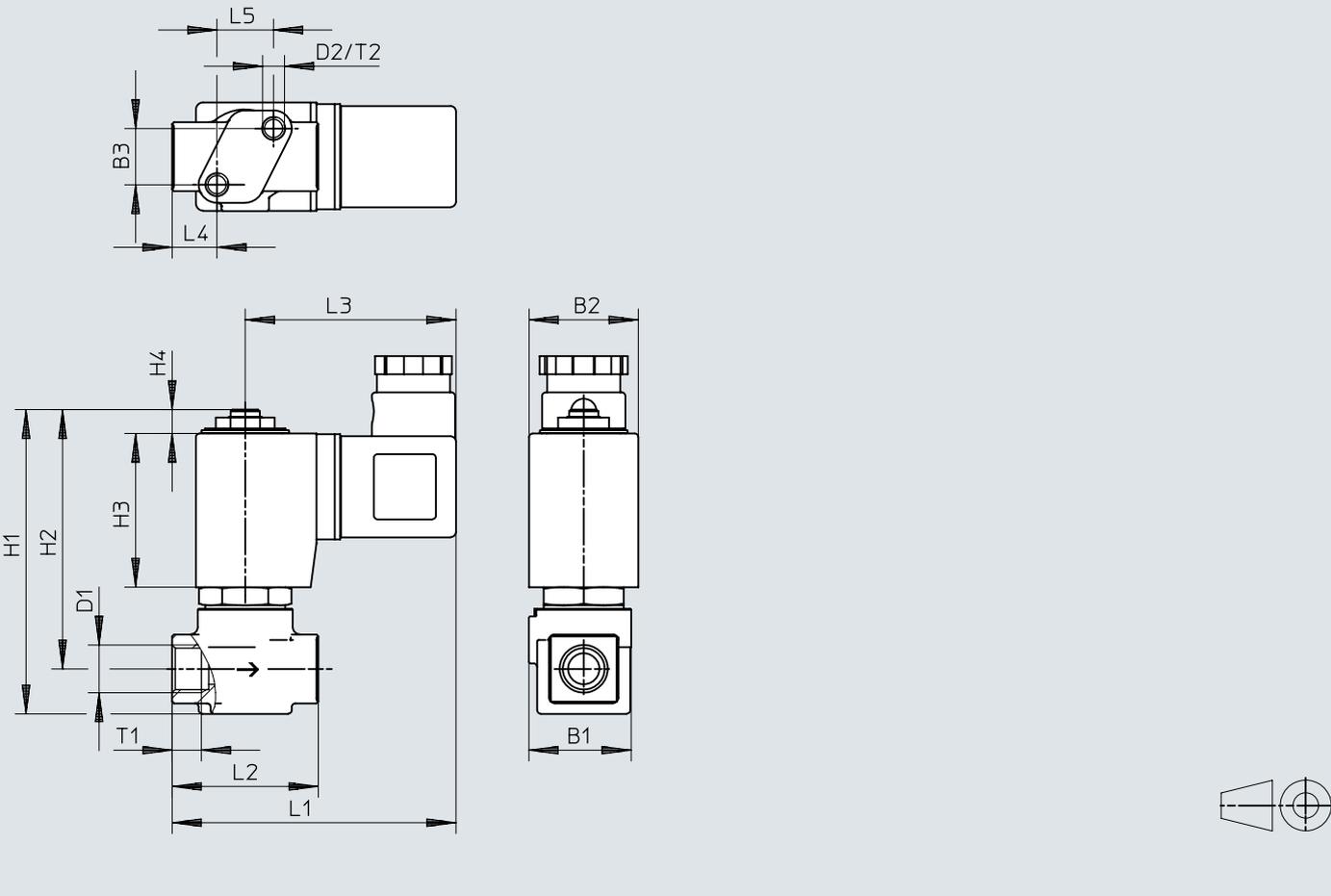


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	T1	T2
VZWD-...-G1/8-10-...-50	15	30	8	G1/8	M3	52	44	30	5	70	32	54	16	8	4,5
VZWD-...-G1/8-15-...-30															
VZWD-...-G1/8-20-...-15															
VZWD-...-G1/4-10-...-50	20	30	11	G1/4	M5	57	47	30	5	74	40	54	20	10	5,5
VZWD-...-G1/4-15-...-30															
VZWD-...-G1/4-20-...-15															
VZWD-...-G1/4-25-...-8															

Dimensions

Dimensions – Brass housing, die-cast metal, nominal pressure PN 100

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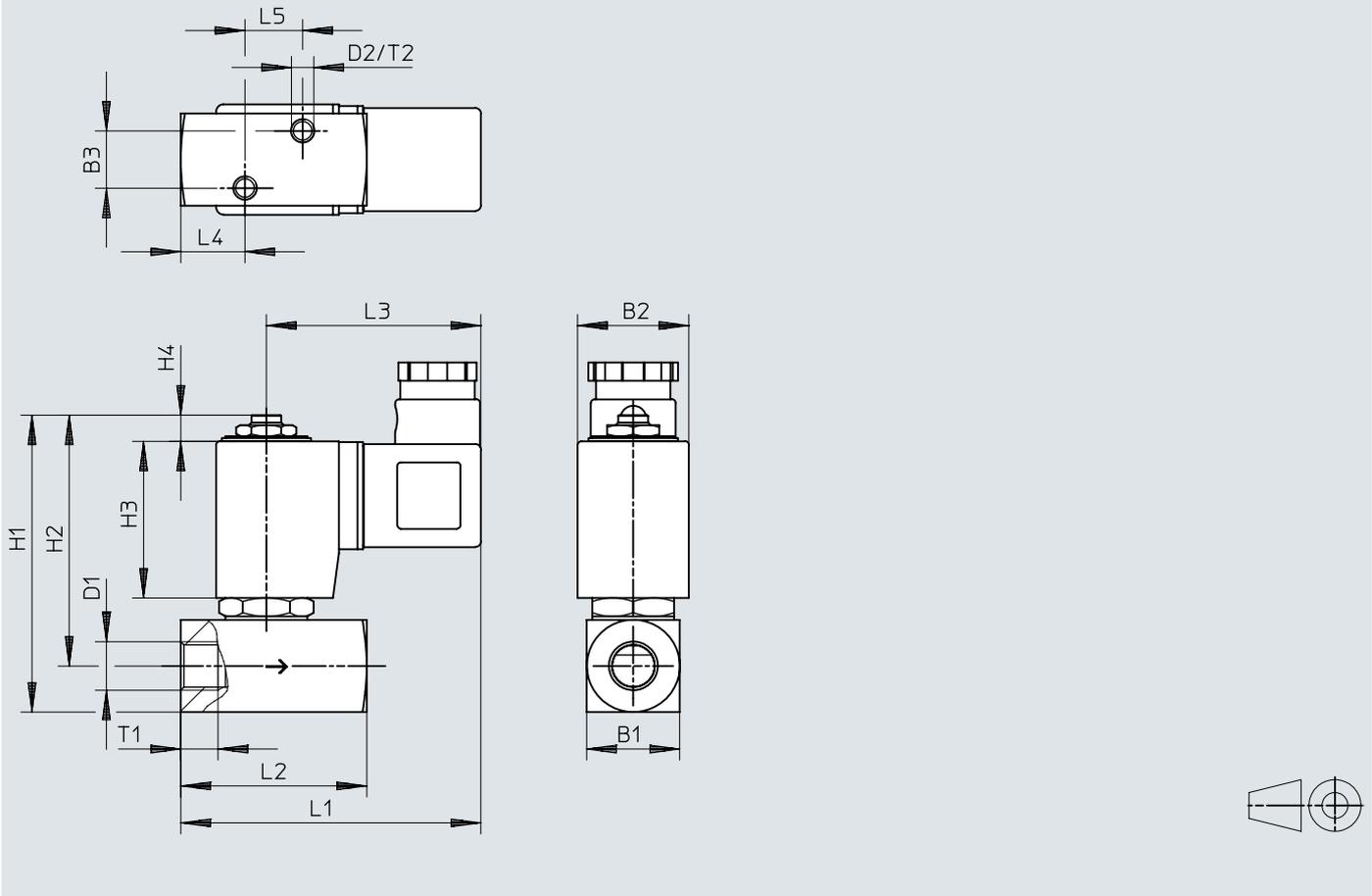


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-G1/8-10-...-90	28	30	15,5	G1/8	M6	84	72	42,5	6,5	78	40	58	12	15,5	8	6
VZWD-...-G1/8-15-...-85																
VZWD-...-G1/8-20-...-40																
VZWD-...-G1/8-25-...-22																
VZWD-...-G1/8-30-...-15																
VZWD-...-G1/8-40-...-8	28	30	15,5	G1/4	M6	84	72	42,5	6,5	78	40	58	12	15,5	10	6
VZWD-...-G1/4-10-...-90																
VZWD-...-G1/4-15-...-85																
VZWD-...-G1/4-20-...-40																
VZWD-...-G1/4-25-...-22																
VZWD-...-G1/4-30-...-15																
VZWD-...-G1/4-40-...-8	25	30	15,5	G1/8	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-G1/8-50-...-5																
VZWD-...-G1/8-60-...-4																
VZWD-...-G1/4-50-...-5																
VZWD-...-G1/4-60-...-4																

Dimensions

Dimensions – Milled brass housing, nominal pressure PN 100

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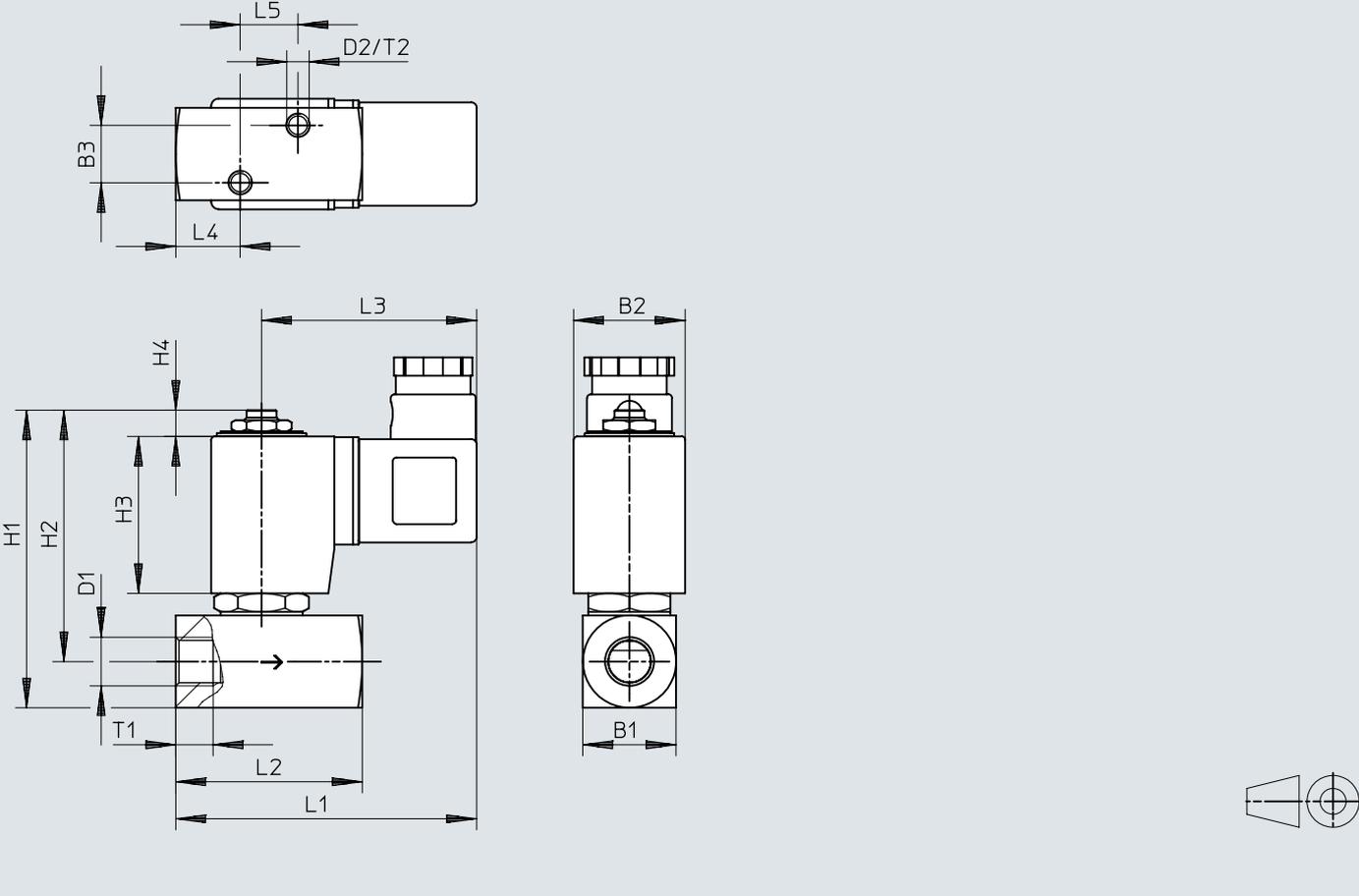


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-G1/8-10-...-90	28	30	15,5	G1/8	M6	84	72	42,5	6,5	78	40	58	12	15,5	8	6
VZWD-...-G1/8-15-...-85																
VZWD-...-G1/8-20-...-40																
VZWD-...-G1/8-25-...-22																
VZWD-...-G1/8-30-...-15																
VZWD-...-G1/8-40-...-8																
VZWD-...-G1/4-10-...-90	28	30	15,5	G1/4	M6	84	72	42,5	6,5	78	40	58	12	15,5	10	6
VZWD-...-G1/4-15-...-85																
VZWD-...-G1/4-20-...-40																
VZWD-...-G1/4-25-...-22																
VZWD-...-G1/4-30-...-15																
VZWD-...-G1/4-40-...-8																
VZWD-...-G1/8-50-...-5	25	30	15,5	G1/8	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-G1/8-60-...-4																
VZWD-...-G1/4-50-...-5	25	30	15,5	G1/4	M6	81	68	42,5	7	85	50	58	17	15,5	10	6
VZWD-...-G1/4-60-...-4																

Dimensions

Dimensions – Stainless steel housing, nominal pressure PN 100

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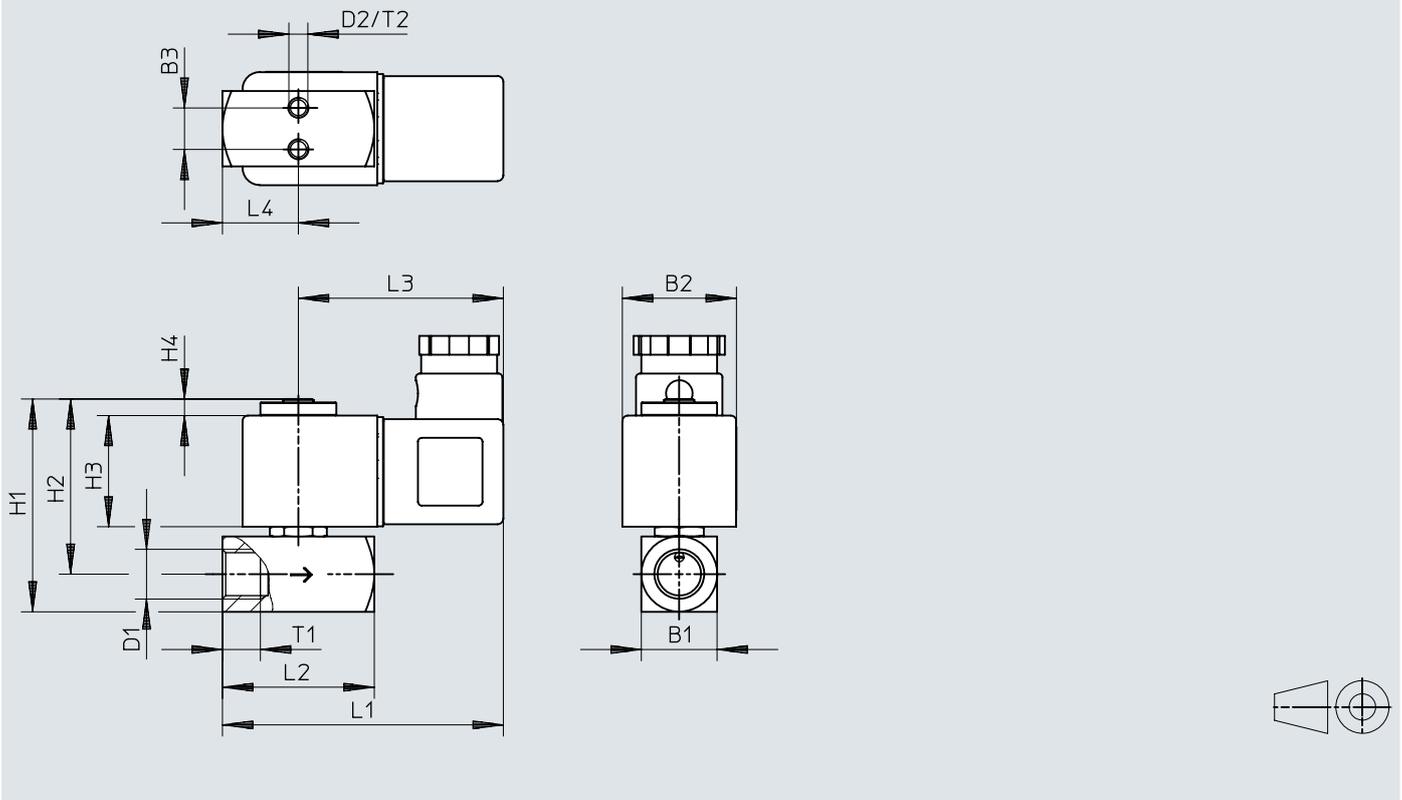


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-G 1/8-50-...-5-R1	25	30	15,5	G1/8	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-G 1/8-60-...-4-R1																
VZWD-...-G 1/4-50-...-5-R1	25	30	15,5	G1/4	M6	81	68	42,5	7	85	50	58	17	15,5	10	6
VZWD-...-G 1/4-60-...-4-R1																

Dimensions

Dimensions – Brass housing, milled, nominal pressure PN 50

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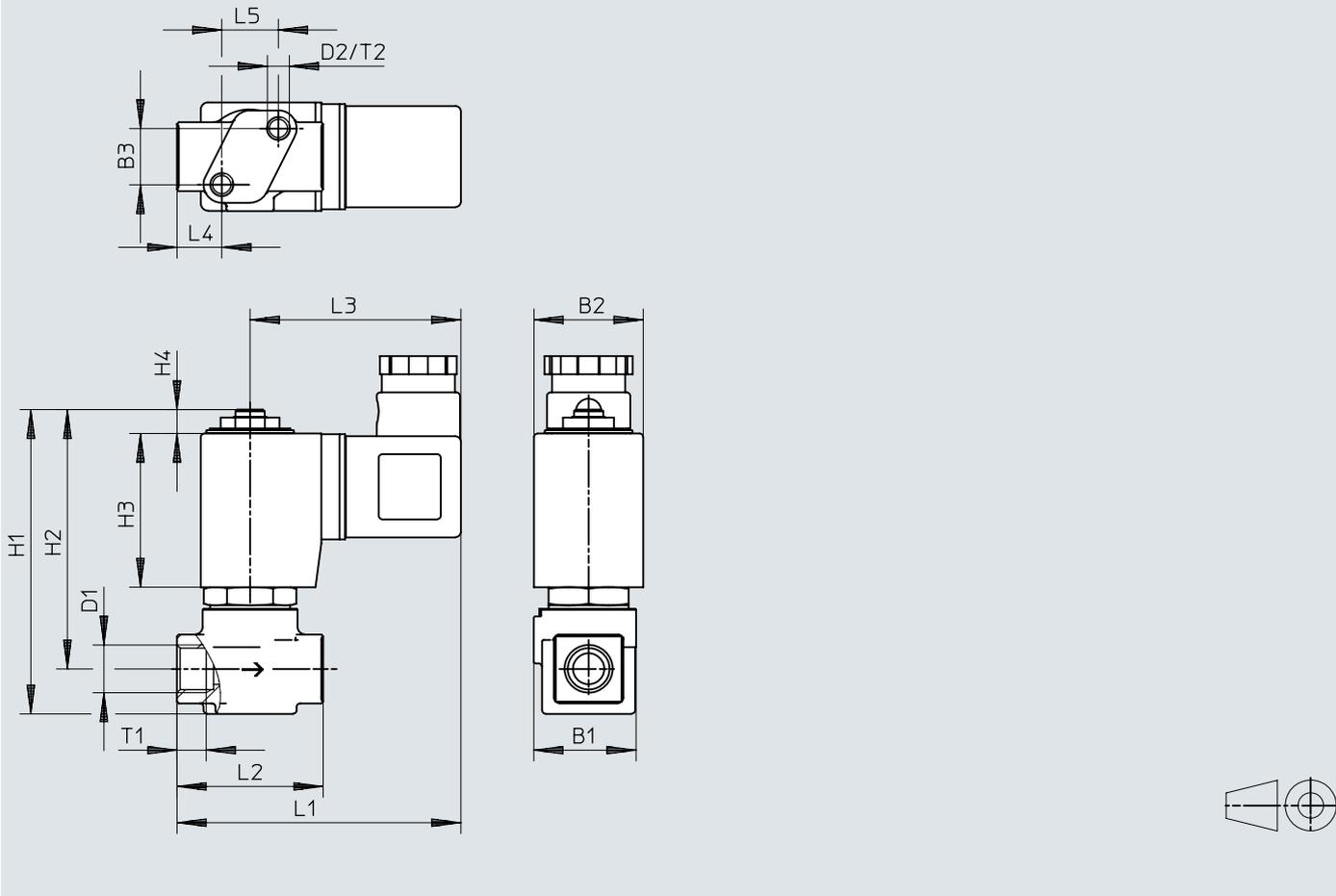


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	T1	T2
VZWD-...N1/8-10-...-50	15	30	8	1/8 NPT	M3	52	44	30	5	70	32	54	16	8	4,5
VZWD-...N1/8-15-...-30															
VZWD-...N1/8-20-...-15															
VZWD-...N1/4-10-...-50	20	30	11	1/4 NPT	M5	57	47	30	5	74	40	54	20	10	5,5
VZWD-...N1/4-15-...-30															
VZWD-...N1/4-20-...-15															
VZWD-...N1/4-25-...-8															

Dimensions

Dimensions – Brass housing, die-cast metal, nominal pressure PN 100

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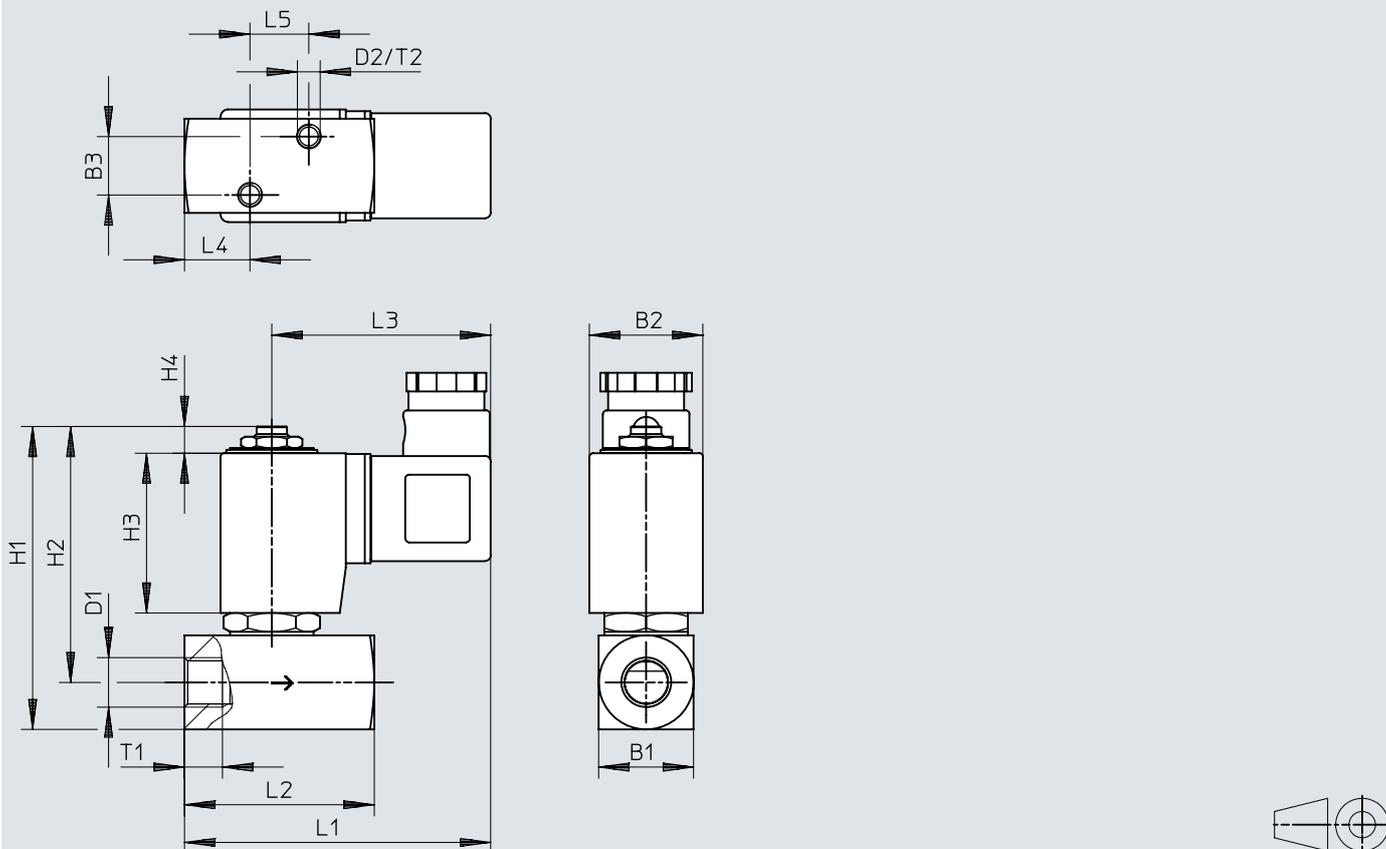


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-N1/8-10-...-90	28	30	15,5	1/8 NPT	M6	84	72	42,5	6,5	78	40	58	12	15,5	8	6
VZWD-...-N1/8-15-...-85																
VZWD-...-N1/8-20-...-40																
VZWD-...-N1/8-25-...-22																
VZWD-...-N1/8-30-...-15																
VZWD-...-N1/8-40-...-8																
VZWD-...-N1/4-10-...-90	28	30	15,5	1/4 NPT	M6	84	72	42,5	6,5	78	40	58	12	15,5	10	6
VZWD-...-N1/4-15-...-85																
VZWD-...-N1/4-20-...-40																
VZWD-...-N1/4-25-...-22																
VZWD-...-N1/4-30-...-15																
VZWD-...-N1/4-40-...-8																
VZWD-...-N1/8-50-...-5	25	30	15,5	1/8 NPT	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-N1/8-60-...-4																
VZWD-...-N1/4-50-...-5	25	30	15,5	1/4 NPT	M6	81	68	42,5	7	85	50	58	17	15,5	10	6
VZWD-...-N1/4-60-...-4																

Dimensions

Dimensions – Brass housing, milled, nominal pressure PN 100

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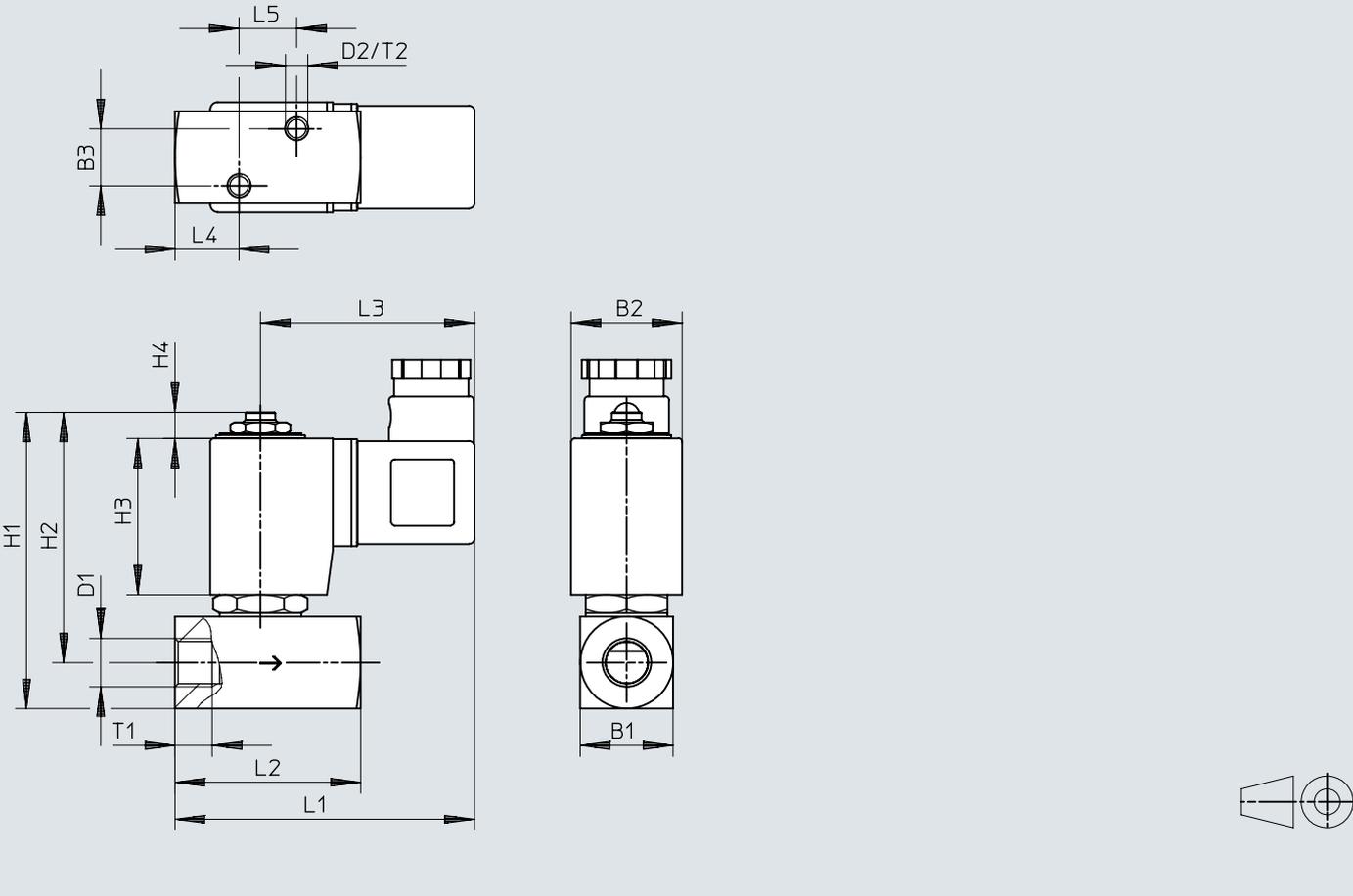


	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-N1/8-10-...-90	28	30	15,5	1/8 NPT	M6	84	72	42,5	6,5	78	40	58	12	15,5	8	6
VZWD-...-N1/8-15-...-85																
VZWD-...-N1/8-20-...-40																
VZWD-...-N1/8-25-...-22																
VZWD-...-N1/8-30-...-15																
VZWD-...-N1/8-40-...-8	28	30	15,5	1/4 NPT	M6	84	72	42,5	6,5	78	40	58	12	15,5	10	6
VZWD-...-N1/4-10-...-90																
VZWD-...-N1/4-15-...-85																
VZWD-...-N1/4-20-...-40																
VZWD-...-N1/4-25-...-22																
VZWD-...-N1/4-30-...-15																
VZWD-...-N1/4-40-...-8	25	30	15,5	1/8 NPT	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-N1/8-50-...-5																
VZWD-...-N1/8-60-...-4																
VZWD-...-N1/4-50-...-5																
VZWD-...-N1/4-60-...-4	25	30	15,5	1/4 NPT	M6	81	68	42,5	7	85	50	58	17	15,5	10	6

Dimensions

Dimensions – Stainless steel housing, nominal pressure PN 100

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	B1	B2	B3	D1	D2	H1	H2	H3	H4	L1	L2	L3	L4	L5	T1	T2
VZWD-...-N1/8-50-...-5-R1	25	30	15,5	1/8 NPT	M6	81	68	42,5	7	78	40	58	12	15,5	8	6
VZWD-...-N1/8-60-...-4-R1																
VZWD-...-N1/4-50-...-5-R1	25	30	15,5	1/4 NPT	M6	81	68	42,5	7	85	50	58	17	15,5	10	6
VZWD-...-N1/4-60-...-4-R1																

Ordering data

Ordering data						
	Connection Process valve	Nominal size	Valve function	Product weight	Part no.	Type
	G1/8	1 mm	2/2-way, closed, monostable	300 g	1491981	VZWD-L-M22C-M-G18-10-V-3AP4-50
					1491903	VZWD-L-M22C-M-G18-10-V-2AP4-50
					1491825	VZWD-L-M22C-M-G18-10-V-1P4-50
				500 g	1491926	VZWD-L-M22C-M-G18-10-V-2AP4-90-R1
					1492004	VZWD-L-M22C-M-G18-10-V-3AP4-90-R1
					1491848	VZWD-L-M22C-M-G18-10-V-1P4-90-R1
				550 g	1491832	VZWD-L-M22C-M-G18-10-V-1P4-90
					1491910	VZWD-L-M22C-M-G18-10-V-2AP4-90
					1491988	VZWD-L-M22C-M-G18-10-V-3AP4-90
		1.5 mm		300 g	1491826	VZWD-L-M22C-M-G18-15-V-1P4-30
					1491982	VZWD-L-M22C-M-G18-15-V-3AP4-30
					1491904	VZWD-L-M22C-M-G18-15-V-2AP4-30
				500 g	1492005	VZWD-L-M22C-M-G18-15-V-3AP4-85-R1
					1491927	VZWD-L-M22C-M-G18-15-V-2AP4-85-R1
					1491849	VZWD-L-M22C-M-G18-15-V-1P4-85-R1
				550 g	1491911	VZWD-L-M22C-M-G18-15-V-2AP4-85
					1491989	VZWD-L-M22C-M-G18-15-V-3AP4-85
					1491833	VZWD-L-M22C-M-G18-15-V-1P4-85
		2 mm		300 g	1491827	VZWD-L-M22C-M-G18-20-V-1P4-15
					1491983	VZWD-L-M22C-M-G18-20-V-3AP4-15
					1491905	VZWD-L-M22C-M-G18-20-V-2AP4-15
				500 g	1491850	VZWD-L-M22C-M-G18-20-V-1P4-40-R1
					1492006	VZWD-L-M22C-M-G18-20-V-3AP4-40-R1
					1491928	VZWD-L-M22C-M-G18-20-V-2AP4-40-R1
				550 g	1491990	VZWD-L-M22C-M-G18-20-V-3AP4-40
					1491834	VZWD-L-M22C-M-G18-20-V-1P4-40
					1491912	VZWD-L-M22C-M-G18-20-V-2AP4-40
		2.5 mm		500 g	1491851	VZWD-L-M22C-M-G18-25-V-1P4-22-R1
					1492007	VZWD-L-M22C-M-G18-25-V-3AP4-22-R1
					1491929	VZWD-L-M22C-M-G18-25-V-2AP4-22-R1
				550 g	1491913	VZWD-L-M22C-M-G18-25-V-2AP4-22
					1491835	VZWD-L-M22C-M-G18-25-V-1P4-22
					1491991	VZWD-L-M22C-M-G18-25-V-3AP4-22
		3 mm		500 g	1492008	VZWD-L-M22C-M-G18-30-V-3AP4-15-R1
					1491930	VZWD-L-M22C-M-G18-30-V-2AP4-15-R1
					1491852	VZWD-L-M22C-M-G18-30-V-1P4-15-R1
				550 g	1491992	VZWD-L-M22C-M-G18-30-V-3AP4-15
					1491836	VZWD-L-M22C-M-G18-30-V-1P4-15
					1491914	VZWD-L-M22C-M-G18-30-V-2AP4-15
		4 mm		500 g	1492009	VZWD-L-M22C-M-G18-40-V-3AP4-8-R1
					1491853	VZWD-L-M22C-M-G18-40-V-1P4-8-R1
					1491931	VZWD-L-M22C-M-G18-40-V-2AP4-8-R1
				550 g	1491915	VZWD-L-M22C-M-G18-40-V-2AP4-8
					1491993	VZWD-L-M22C-M-G18-40-V-3AP4-8
					1491837	VZWD-L-M22C-M-G18-40-V-1P4-8
		5 mm		500 g	1492010	VZWD-L-M22C-M-G18-50-V-3AP4-5-R1
					1491854	VZWD-L-M22C-M-G18-50-V-1P4-5-R1
					1491932	VZWD-L-M22C-M-G18-50-V-2AP4-5-R1
600 g	1491994		VZWD-L-M22C-M-G18-50-V-3AP4-5			
	1491916		VZWD-L-M22C-M-G18-50-V-2AP4-5			

Ordering data

Ordering data								
	Connection Process valve	Nominal size	Valve function	Product weight	Part no.	Type		
	G1/8	5 mm	2/2-way, closed, monostable	600 g	1491838	VZWD-L-M22C-M-G18-50-V-1P4-5		
		6 mm		500 g	1491855	VZWD-L-M22C-M-G18-60-V-1P4-4-R1		
				500 g	1491933	VZWD-L-M22C-M-G18-60-V-2AP4-4-R1		
				500 g	1492011	VZWD-L-M22C-M-G18-60-V-3AP4-4-R1		
		600 g		500 g	1491995	VZWD-L-M22C-M-G18-60-V-3AP4-4		
				500 g	1491839	VZWD-L-M22C-M-G18-60-V-1P4-4		
				500 g	1491917	VZWD-L-M22C-M-G18-60-V-2AP4-4		
				G1/4	1 mm	350 g	1491906	VZWD-L-M22C-M-G14-10-V-2AP4-50
						350 g	1491984	VZWD-L-M22C-M-G14-10-V-3AP4-50
						350 g	1491828	VZWD-L-M22C-M-G14-10-V-1P4-50
		550 g		550 g		1491840	VZWD-L-M22C-M-G14-10-V-1P4-90	
				550 g		1491918	VZWD-L-M22C-M-G14-10-V-2AP4-90	
	550 g		1491996	VZWD-L-M22C-M-G14-10-V-3AP4-90				
	650 g	650 g	1491856	VZWD-L-M22C-M-G14-10-V-1P4-90-R1				
		650 g	1492012	VZWD-L-M22C-M-G14-10-V-3AP4-90-R1				
		650 g	1491934	VZWD-L-M22C-M-G14-10-V-2AP4-90-R1				
		350 g	1.5 mm	350 g	1491829	VZWD-L-M22C-M-G14-15-V-1P4-30		
				350 g	1491907	VZWD-L-M22C-M-G14-15-V-2AP4-30		
				350 g	1491985	VZWD-L-M22C-M-G14-15-V-3AP4-30		
	550 g	550 g		1491997	VZWD-L-M22C-M-G14-15-V-3AP4-85			
		550 g		1491919	VZWD-L-M22C-M-G14-15-V-2AP4-85			
		550 g		1491841	VZWD-L-M22C-M-G14-15-V-1P4-85			
	650 g	650 g	1492013	VZWD-L-M22C-M-G14-15-V-3AP4-85-R1				
		650 g	1491935	VZWD-L-M22C-M-G14-15-V-2AP4-85-R1				
		650 g	1491857	VZWD-L-M22C-M-G14-15-V-1P4-85-R1				
	350 g	2 mm	350 g	1491908	VZWD-L-M22C-M-G14-20-V-2AP4-15			
			350 g	1491986	VZWD-L-M22C-M-G14-20-V-3AP4-15			
			350 g	1491830	VZWD-L-M22C-M-G14-20-V-1P4-15			
			550 g	550 g	1491920	VZWD-L-M22C-M-G14-20-V-2AP4-40		
				550 g	1491842	VZWD-L-M22C-M-G14-20-V-1P4-40		
				550 g	1491998	VZWD-L-M22C-M-G14-20-V-3AP4-40		
	650 g	650 g	1491858	VZWD-L-M22C-M-G14-20-V-1P4-40-R1				
		650 g	1491936	VZWD-L-M22C-M-G14-20-V-2AP4-40-R1				
		650 g	1492014	VZWD-L-M22C-M-G14-20-V-3AP4-40-R1				
	350 g	2.5 mm	350 g	1491831	VZWD-L-M22C-M-G14-25-V-1P4-8			
			350 g	1491987	VZWD-L-M22C-M-G14-25-V-3AP4-8			
			350 g	1491909	VZWD-L-M22C-M-G14-25-V-2AP4-8			
			550 g	550 g	1491999	VZWD-L-M22C-M-G14-25-V-3AP4-22		
				550 g	1491843	VZWD-L-M22C-M-G14-25-V-1P4-22		
				550 g	1491921	VZWD-L-M22C-M-G14-25-V-2AP4-22		
	650 g	650 g	1491859	VZWD-L-M22C-M-G14-25-V-1P4-22-R1				
		650 g	1491937	VZWD-L-M22C-M-G14-25-V-2AP4-22-R1				
		650 g	1492015	VZWD-L-M22C-M-G14-25-V-3AP4-22-R1				
	550 g	3 mm	550 g	1491844	VZWD-L-M22C-M-G14-30-V-1P4-15			
			550 g	1491922	VZWD-L-M22C-M-G14-30-V-2AP4-15			
			550 g	1492000	VZWD-L-M22C-M-G14-30-V-3AP4-15			
			650 g	650 g	1491860	VZWD-L-M22C-M-G14-30-V-1P4-15-R1		
				650 g	1491938	VZWD-L-M22C-M-G14-30-V-2AP4-15-R1		
650 g				1492016	VZWD-L-M22C-M-G14-30-V-3AP4-15-R1			
550 g	1491923	VZWD-L-M22C-M-G14-40-V-2AP4-8						

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Ordering data								
	Connection Process valve	Nominal size	Valve function	Product weight	Part no.	Type		
	G1/4	4 mm	2/2-way, closed, monostable	550 g	1492001	VZWD-L-M22C-M-G14-40-V-3AP4-8		
					1491845	VZWD-L-M22C-M-G14-40-V-1P4-8		
				650 g		1491861	VZWD-L-M22C-M-G14-40-V-1P4-8-R1	
						1492017	VZWD-L-M22C-M-G14-40-V-3AP4-8-R1	
						1491939	VZWD-L-M22C-M-G14-40-V-2AP4-8-R1	
		600 g		5 mm		1491846	VZWD-L-M22C-M-G14-50-V-1P4-5	
						1491924	VZWD-L-M22C-M-G14-50-V-2AP4-5	
						1492002	VZWD-L-M22C-M-G14-50-V-3AP4-5	
		650 g		5 mm		1492018	VZWD-L-M22C-M-G14-50-V-3AP4-5-R1	
						1491940	VZWD-L-M22C-M-G14-50-V-2AP4-5-R1	
						1491862	VZWD-L-M22C-M-G14-50-V-1P4-5-R1	
		600 g		6 mm			1492003	VZWD-L-M22C-M-G14-60-V-3AP4-4
							1491847	VZWD-L-M22C-M-G14-60-V-1P4-4
							1491925	VZWD-L-M22C-M-G14-60-V-2AP4-4
					650 g		1492019	VZWD-L-M22C-M-G14-60-V-3AP4-4-R1
							1491863	VZWD-L-M22C-M-G14-60-V-1P4-4-R1
							1491941	VZWD-L-M22C-M-G14-60-V-2AP4-4-R1
		300 g		1/8 NPT	1 mm		1491864	VZWD-L-M22C-M-N18-10-V-1P4-50
							1491942	VZWD-L-M22C-M-N18-10-V-2AP4-50
							1492020	VZWD-L-M22C-M-N18-10-V-3AP4-50
					500 g		1492048	VZWD-L-M22C-M-N18-10-V-3AP4-90-R1
							1491965	VZWD-L-M22C-M-N18-10-V-2AP4-90-R1
			1491887			VZWD-L-M22C-M-N18-10-V-1P4-90-R1		
	550 g				1491949	VZWD-L-M22C-M-N18-10-V-1P4-90		
					1491871	VZWD-L-M22C-M-N18-10-V-1P4-90		
					1492027	VZWD-L-M22C-M-N18-10-V-3AP4-90		
	300 g	1.5 mm		1491943	VZWD-L-M22C-M-N18-15-V-2AP4-30			
				1492021	VZWD-L-M22C-M-N18-15-V-3AP4-30			
				1491865	VZWD-L-M22C-M-N18-15-V-1P4-30			
	500 g		1492049	VZWD-L-M22C-M-N18-15-V-3AP4-85-R1				
			1491966	VZWD-L-M22C-M-N18-15-V-2AP4-85-R1				
			1491888	VZWD-L-M22C-M-N18-15-V-1P4-85-R1				
	550 g		1491950	VZWD-L-M22C-M-N18-15-V-2AP4-85				
			1492028	VZWD-L-M22C-M-N18-15-V-3AP4-85				
			1491872	VZWD-L-M22C-M-N18-15-V-1P4-85				
	300 g	2 mm		1491866	VZWD-L-M22C-M-N18-20-V-1P4-15			
				1492022	VZWD-L-M22C-M-N18-20-V-3AP4-15			
				1491944	VZWD-L-M22C-M-N18-20-V-2AP4-15			
500 g		1492050	VZWD-L-M22C-M-N18-20-V-3AP4-40-R1					
		1491967	VZWD-L-M22C-M-N18-20-V-2AP4-40-R1					
		1491889	VZWD-L-M22C-M-N18-20-V-1P4-40-R1					
550 g		1492029	VZWD-L-M22C-M-N18-20-V-3AP4-40					
		1491873	VZWD-L-M22C-M-N18-20-V-1P4-40					
		1491951	VZWD-L-M22C-M-N18-20-V-2AP4-40					
500 g	2.5 mm		1492051	VZWD-L-M22C-M-N18-25-V-3AP4-22-R1				
			1491968	VZWD-L-M22C-M-N18-25-V-2AP4-22-R1				
			1491890	VZWD-L-M22C-M-N18-25-V-1P4-22-R1				
550 g		1491874	VZWD-L-M22C-M-N18-25-V-1P4-22					
		1492030	VZWD-L-M22C-M-N18-25-V-3AP4-22					
		1491952	VZWD-L-M22C-M-N18-25-V-2AP4-22					

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Ordering data						
	Connection Process valve	Nominal size	Valve function	Product weight	Part no.	Type
	1/8 NPT	3 mm	2/2-way, closed, monostable	500 g	1491891	VZWD-L-M22C-M-N18-30-V-1P4-15-R1
					1492052	VZWD-L-M22C-M-N18-30-V-3AP4-15-R1
					1491969	VZWD-L-M22C-M-N18-30-V-2AP4-15-R1
				550 g	1491875	VZWD-L-M22C-M-N18-30-V-1P4-15
					1491953	VZWD-L-M22C-M-N18-30-V-2AP4-15
					1492031	VZWD-L-M22C-M-N18-30-V-3AP4-15
		4 mm		500 g	1492053	VZWD-L-M22C-M-N18-40-V-3AP4-8-R1
					1491970	VZWD-L-M22C-M-N18-40-V-2AP4-8-R1
					1491892	VZWD-L-M22C-M-N18-40-V-1P4-8-R1
				550 g	1491876	VZWD-L-M22C-M-N18-40-V-1P4-8
					1492032	VZWD-L-M22C-M-N18-40-V-3AP4-8
					1491954	VZWD-L-M22C-M-N18-40-V-2AP4-8
		5 mm		500 g	1491971	VZWD-L-M22C-M-N18-50-V-2AP4-5-R1
					1491893	VZWD-L-M22C-M-N18-50-V-1P4-5-R1
					1492054	VZWD-L-M22C-M-N18-50-V-3AP4-5-R1
				600 g	1492033	VZWD-L-M22C-M-N18-50-V-3AP4-5
					1491877	VZWD-L-M22C-M-N18-50-V-1P4-5
					1491955	VZWD-L-M22C-M-N18-50-V-2AP4-5
		6 mm		500 g	1491894	VZWD-L-M22C-M-N18-60-V-1P4-4-R1
					1491972	VZWD-L-M22C-M-N18-60-V-2AP4-4-R1
					1492055	VZWD-L-M22C-M-N18-60-V-3AP4-4-R1
				600 g	1491878	VZWD-L-M22C-M-N18-60-V-1P4-4
					1492034	VZWD-L-M22C-M-N18-60-V-3AP4-4
					1491956	VZWD-L-M22C-M-N18-60-V-2AP4-4
	1/4 NPT	1 mm	350 g	1491867	VZWD-L-M22C-M-N14-10-V-1P4-50	
				1492023	VZWD-L-M22C-M-N14-10-V-3AP4-50	
				1491945	VZWD-L-M22C-M-N14-10-V-2AP4-50	
				550 g	1491957	VZWD-L-M22C-M-N14-10-V-2AP4-90
					1492040	VZWD-L-M22C-M-N14-10-V-3AP4-90
					1491879	VZWD-L-M22C-M-N14-10-V-1P4-90
			650 g	1491895	VZWD-L-M22C-M-N14-10-V-1P4-90-R1	
				1492090	VZWD-L-M22C-M-N14-10-V-3AP4-90-R1	
				1491973	VZWD-L-M22C-M-N14-10-V-2AP4-90-R1	
			1.5 mm	350 g	1492024	VZWD-L-M22C-M-N14-15-V-3AP4-30
					1491946	VZWD-L-M22C-M-N14-15-V-2AP4-30
					1491868	VZWD-L-M22C-M-N14-15-V-1P4-30
		550 g		1491958	VZWD-L-M22C-M-N14-15-V-2AP4-85	
				1491880	VZWD-L-M22C-M-N14-15-V-1P4-85	
				1492041	VZWD-L-M22C-M-N14-15-V-3AP4-85	
		650 g	1492091	VZWD-L-M22C-M-N14-15-V-3AP4-85-R1		
			1491896	VZWD-L-M22C-M-N14-15-V-1P4-85-R1		
			1491974	VZWD-L-M22C-M-N14-15-V-2AP4-85-R1		
2 mm		350 g	1491869	VZWD-L-M22C-M-N14-20-V-1P4-15		
			1491947	VZWD-L-M22C-M-N14-20-V-2AP4-15		
			1492025	VZWD-L-M22C-M-N14-20-V-3AP4-15		
		550 g	1491881	VZWD-L-M22C-M-N14-20-V-1P4-40		
			1491959	VZWD-L-M22C-M-N14-20-V-2AP4-40		
			1492042	VZWD-L-M22C-M-N14-20-V-3AP4-40		
650 g	1491975	VZWD-L-M22C-M-N14-20-V-2AP4-40-R1				
	1491897	VZWD-L-M22C-M-N14-20-V-1P4-40-R1				

Ordering data

Ordering data							
	Connection Process valve	Nominal size	Valve function	Product weight	Part no.	Type	
	1/4 NPT	2 mm	2/2-way, closed, monostable	650 g	1492092	VZWD-L-M22C-M-N14-20-V-3AP4-40-R1	
		2.5 mm		350 g	1491948	VZWD-L-M22C-M-N14-25-V-2AP4-8	
					1491870	VZWD-L-M22C-M-N14-25-V-1P4-8	
					1492026	VZWD-L-M22C-M-N14-25-V-3AP4-8	
					550 g	1492043	VZWD-L-M22C-M-N14-25-V-3AP4-22
						1491882	VZWD-L-M22C-M-N14-25-V-1P4-22
						1491960	VZWD-L-M22C-M-N14-25-V-2AP4-22
					650 g	1492093	VZWD-L-M22C-M-N14-25-V-3AP4-22-R1
						1491976	VZWD-L-M22C-M-N14-25-V-2AP4-22-R1
						1491898	VZWD-L-M22C-M-N14-25-V-1P4-22-R1
		3 mm		550 g	1491883	VZWD-L-M22C-M-N14-30-V-1P4-15	
					1492044	VZWD-L-M22C-M-N14-30-V-3AP4-15	
					1491961	VZWD-L-M22C-M-N14-30-V-2AP4-15	
				650 g	1491899	VZWD-L-M22C-M-N14-30-V-1P4-15-R1	
					1491977	VZWD-L-M22C-M-N14-30-V-2AP4-15-R1	
					1492094	VZWD-L-M22C-M-N14-30-V-3AP4-15-R1	
		4 mm		550 g	1492045	VZWD-L-M22C-M-N14-40-V-3AP4-8	
					1491962	VZWD-L-M22C-M-N14-40-V-2AP4-8	
					1491884	VZWD-L-M22C-M-N14-40-V-1P4-8	
				650 g	1491900	VZWD-L-M22C-M-N14-40-V-1P4-8-R1	
					1491978	VZWD-L-M22C-M-N14-40-V-2AP4-8-R1	
					1492095	VZWD-L-M22C-M-N14-40-V-3AP4-8-R1	
		5 mm		600 g	1492046	VZWD-L-M22C-M-N14-50-V-3AP4-5	
					1491963	VZWD-L-M22C-M-N14-50-V-2AP4-5	
					1491885	VZWD-L-M22C-M-N14-50-V-1P4-5	
				650 g	1491979	VZWD-L-M22C-M-N14-50-V-2AP4-5-R1	
					1492096	VZWD-L-M22C-M-N14-50-V-3AP4-5-R1	
					1491901	VZWD-L-M22C-M-N14-50-V-1P4-5-R1	
		6 mm		600 g	1491886	VZWD-L-M22C-M-N14-60-V-1P4-4	
					1491964	VZWD-L-M22C-M-N14-60-V-2AP4-4	
					1492047	VZWD-L-M22C-M-N14-60-V-3AP4-4	
				650 g	1491980	VZWD-L-M22C-M-N14-60-V-2AP4-4-R1	
					1492097	VZWD-L-M22C-M-N14-60-V-3AP4-4-R1	
					1491902	VZWD-L-M22C-M-N14-60-V-1P4-4-R1	