

DATA SHEET

VZK Zone Ball Valve with Actuator

	Two-way valve		Three-way valves			
Main Features	Two-way val	ves		Three-way valves		
Application	Sanitary and drinking water piping, heating and solar thermal systems, not for gravity circulation systems.			Sanitary and drinking water piping, heating and solar thermal systems, not for gravity circulation systems.		
Working fluid	Water–glycol mixture (max. 1:1), water–glycerine mixture (max. 2:1), water, drinking water.			Water–glycol mixture (max. 1:1), water–glycerine mixture (max. 2:1), water, drinking water.		
Installation position	Any, except fo downwards.	or the position wi	th the actuator	Any, except for the pos downwards.	sition with the actuator	
Туре	VZK 215	VZK 220	VZK 225	VZK 320	VZK 325	
Codes	11288	10344	11289	11293	11294	
Codes Control	11288 two-point (S		11289	11293 two-point (SPST)	11294	
	two-point (S The valve requ and Permaner without Switch		ched Live (black) e valve is closed	two-point (SPST) The valve requires Neu and Permanent Live (b	itral, Switched Live (black) prown); the port B is open as soon as Switched Live	
Control	two-point (S The valve requ and Permaner without Switch is present, the If valve shift is	PST) uires Neutral, Swit at Live (brown); the ed Live, as soon a e valve opens. s blocked by an o vill stop and turn	ched Live (black) e valve is closed as Switched Live obstacle,	two-point (SPST) The valve requires Neu and Permanent Live (b without Switched Live,	itral, Switched Live (black) prown); the port B is open as soon as Switched Live	
Control Electric control	two-point (S The valve requ and Permaner without Switch is present, the If valve shift is the actuator v direction by 2 At the end po	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent	two-point (SPST) The valve requires Neu and Permanent Live (b without Switched Live,	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present	
Control Electric control Antiblock function	two-point (S The valve requ and Permaner without Switch is present, the If valve shift is the actuator v direction by 2 At the end po on the red win a circulation p After removin the actuator of	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neuland Permanent Live (bound the second t	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	
Control Electric control Antiblock function End switch	two-point (SThe valve requard Permanerand Permanerwithout Switchis present, theIf valve shift isthe actuator withdirection by 2At the end pointon the red witha circulation pAfter removintthe actuator withthe valve will30 s	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us pump. g the retaining sp can be shifted up	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neuland Permanent Live (but Switched Live, is present, the port A or A	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	
Control Electric control Antiblock function End switch Manual control	two-point (S The valve requ and Permaner without Switch is present, the If valve shift is the actuator v direction by 2 At the end po on the red win a circulation p After removin the actuator of the valve will	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us pump. g the retaining sp can be shifted up	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neu and Permanent Live (b without Switched Live, is present, the port A o - At the end position, 23 on the red wire that ca a circulation pump. By pressing and turning a screwdriver, the actual disengaged; by turning valve position can be a	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	
Control Electric control Antiblock function End switch Manual control Shift time	two-point (SThe valve requard Permanerand Permanerwithout Switchis present, theIf valve shift isthe actuator withdirection by 2At the end pointon the red witha circulation pAfter removintthe actuator withthe valve will30 s	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us pump. g the retaining sp can be shifted up	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neu and Permanent Live (b without Switched Live, is present, the port A o - At the end position, 23 on the red wire that ca a circulation pump. By pressing and turning a screwdriver, the actual disengaged; by turning valve position can be a 64 s	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	
Control Electric control Antiblock function End switch Manual control Shift time Opening angle	two-point (SThe valve requard Permanerand Permanerwithout Switchis present, theIf valve shift isthe actuator without sourcedirection by 2At the end pooron the red winda circulation pAfter removingAfter removingthe valve will30 s90°16 bar	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us pump. g the retaining sp can be shifted up	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neu and Permanent Live (b without Switched Live, is present, the port A o - At the end position, 23 on the red wire that ca a circulation pump. By pressing and turning a screwdriver, the actual disengaged; by turning valve position can be a 64 s	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	
Control Electric control Antiblock function End switch Manual control Shift time Opening angle Technical Data	two-point (SThe valve requand Permanerwithout Switchis present, theIf valve shift isthe actuator wdirection by 2At the end pointon the red winda circulation pAfter removindthe actuator wthe actuator wa circulation pAfter removindthe valve will30 s90°	PST) uires Neutral, Swit that Live (brown); the ed Live, as soon a e valve opens. s blocked by an of vill stop and turn 70°. sition, 230 V is pre- that can be us pump. g the retaining sp can be shifted up	ched Live (black) e valve is closed as Switched Live obstacle, in the other resent ed to control oring, wards;	two-point (SPST) The valve requires Neuland Permanent Live (kwithout Switched Live, is present, the port A or a circulation purp. At the end position, 23 on the red wire that cala circulation pump. By pressing and turning a screwdriver, the actual disengaged; by turning valve position can be a 64 s 180°	utral, Switched Live (black) prown); the port B is open as soon as Switched Live pens. 0 V is present n be used to control g the push button with lator motor drive will be g the handle the desired	

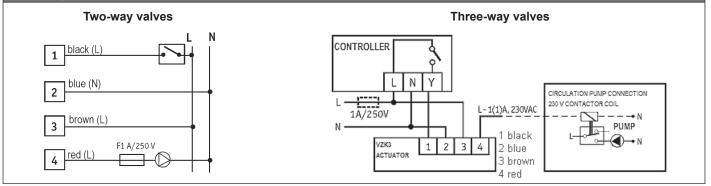


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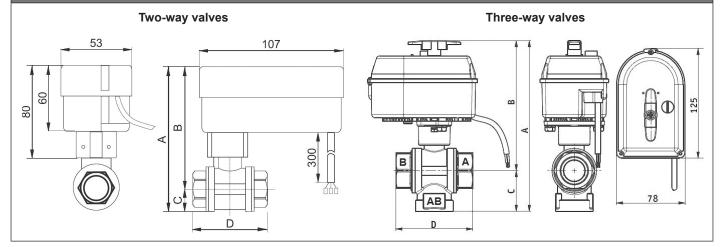
VZK Zone Ball Valve with Actuator

Actuator Data		
Power supply	230 V 50 Hz	230 V 50 Hz
Power consumption	7 W	9 W
Current	30 mA	40 mA
Idle power	3 W	5 W
Torque	8 Nm	15 Nm
IP rating	IP44 by ČSN EN 60529	IP44 by ČSN EN 60529
Protection class	II by EN 61140 ed. 2	II dle ČSN EN 61140 ed. 2
Electromagnetic compatibility	dle ČSN EN 50130-4	dle by EN 50130-4
Ambient working temperature	0 to 55 °C	0 to 55 °C
Power cable cross section	4 x 0.50 mm ²	4 x 0.50 mm ²
Power cable length	0.3 m	2 m
Materials		
Valve housing		
Valve spindle		
Valve ball		
O-ring	FPM	FPM
Power cable	PVC	PVC

El. wiring



Dimensions





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		Туре	Two-way valves			Three-way valves	
Parameters			VZK 215	VZK 220	VZK 225	VZK 320	VZK 325
Connection			G 1/2" F	G 3/4" F	G 1" F	G 3/4" F	G 1" F
Dimensions	А	[mm]	126	129	137	183	194
	В	[mm]	108.5	109.5	113.5	144	148
	С	[mm]	17.5	19.5	23.5	39	46
	D	[mm]	63	57	68	74	88
K _{vs}		[m³/h]	8.5	20	30	7	11
Weight		[kg]	0.68	0.65	0.81	1.25	1.53

Pressure drop graph

