

THREE-WAY ZONE VALVES

VZK S Three-way Zone Ball Valve

Zone ball valves intended for heating or solar thermal systems with water or antifreeze fluid and for drinking water systems.

The valve is equipped with a **three-point control actuator (SPDT), mixing possible**. The actuator can be removed without disassembling the valve. The valve must not be installed in a position with the actuator facing down.

When voltage is applied to the brown wire, **the actuator rotates clockwise (the path A-AB opens)**, when voltage is applied to the black wire, **the actuator rotates counter-clockwise (the path B-AB opens)**, when de-energized, the actuator remains in the current position. Shift time is 60s. The valve can be adjusted manually by turning the lever (after switching to manual control mode).

Two versions are available: L-bore and T-bore.



TECHNICAL DATA

MAX. WORKING PRESSURE	10 bar
MAX. PRESSURE DIFFERENCE	10 bar
FLUID WORKING TEMPERATURE	up to 110 °C

MATERIALS

VALVE HOUSING	CW617N
VALVE SPINDLE	CW617N
VALVE BALL	chrome-plated brass
O-RINGS	FPM
POWER CABLE	PVC

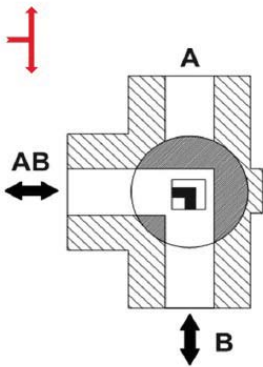
ACTUATOR

POWER SUPPLY	230 V 50 Hz
MAX. POWER INPUT	2.5 VA
CURRENT	10 mA
IP RATING BY EN 60529	IP 42
PROTECTION CLASS BY EN 61140 ed.2	II

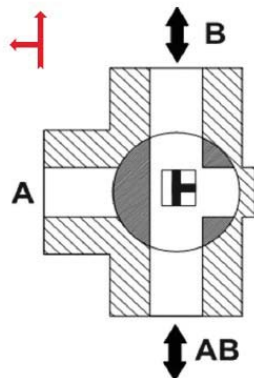
POWER CABLE

CROSS SECTION	3× 0.5 mm ²
LENGTH	2 m

L-bore valve



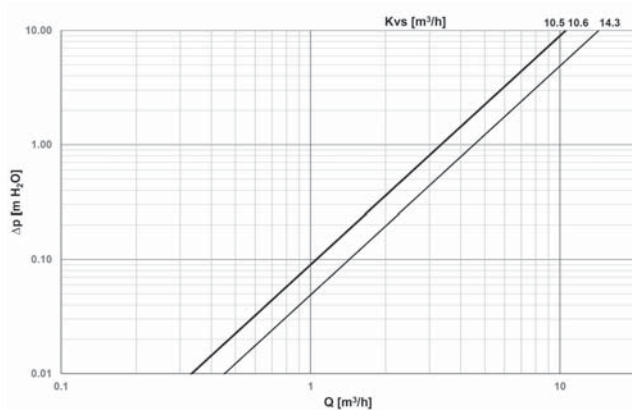
T-bore valve



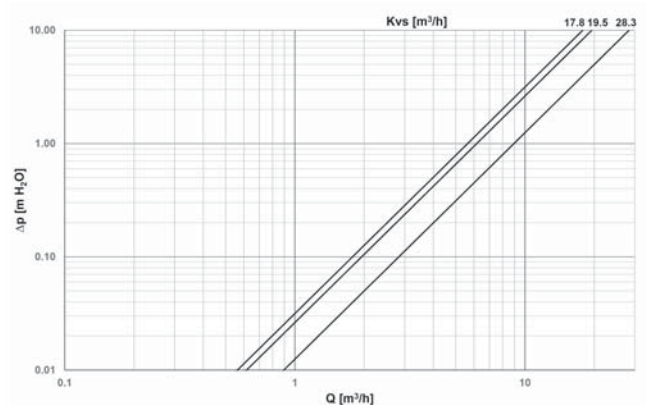
The valve actuator is equipped with an end microswitch with a potential-free contact.

VALVE PRESSURE DROP

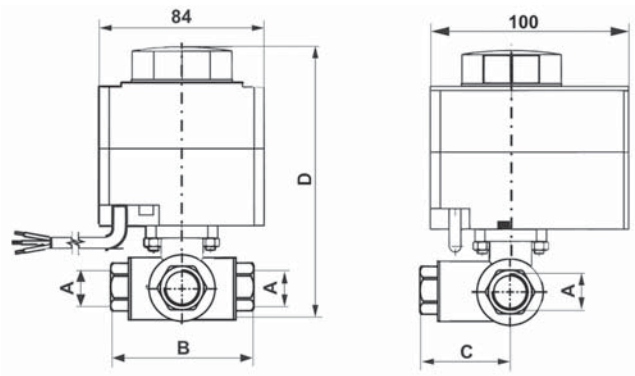
Pressure drop in perpendicular direction



Pressure drop in straight direction



DIMENSIONS AND TYPES



L-bore models		VZK S 320 L 3/4F	VZK S 320 L 1F	VZK S 325 L 1F
CONNECTIONS	--	3/4" F	1" F	1" F
A	mm	96	96	104
B	mm	50	50	52
C	mm	160	160	168
WEIGHT	kg	1.3	1.3	1.7
NOMINAL DIAMETER	DN	20	20	25
KVS PERPENDICULAR	m ³ /h	10.5	10.6	14.3
CODE	--	19838	19835	11287
T-bore models		VZK S 320 T 3/4F	VZK S 320 T 1F	VZK S 325 T 1F
CONNECTIONS	--	3/4" F	1" F	1" F
A	mm	96	96	104
B	mm	50	50	52
C	mm	160	160	168
WEIGHT	kg	1.3	1.3	1.7
NOMINAL DIAMETER	DN	20	20	25
KVS PERPENDICULAR	m ³ /h	10.5	10.6	14.3
KVS STRAIGHT	m ³ /h	17.8	19.5	28.3
CODE	--	19840	19833	18675

ELECTRICAL WIRING

