

Zone Valves – Long Stroke

VZ*19*

These small linear valves are designed for control of hot and chilled water in fan coils or other terminal unit applications. These particular valves are designed to be used with the compact electro-mechanical actuators type MZ20.

Valve types

2-way, 3-way valve, 3-way with bypass, (see part numbers in table below)

Pressure class PN16

Stroke 5.5 mm

Max fluid speed 3 m/s

Allowed fluids

Water, water+glycol (30% max)

Media temperature range 2 to 95°C

Max. Glycol concentration 30%

Flow Characteristics

Equal percentage On direct (A-AB) way

Linear On by-pass (B-AB) way

Leakage 0% tight close-off

Connections

Flat face external or compression thread

Rangeability 50:1

Materials

Valve body Brass (CW617N)

Trim Glass reinforced PPE

Stem Stainless steel (AISI 303)

Stem packing EPDM

Plug sealing EPDM

* Nuts and Olives supplied with Valve

Two-way valves						Trim	Glass reinforced	
		VZ*19E		VZ*19C		Stem	Stainless steel (AISI 316)	
						Stem packing	Elastomer	
						Plug sealing	Elastomer	
						* Nuts and Olives supplied with Valve		
		Flat face		Compression*		Kvs		Close-off
Size	Kv	Part Number	Connection	Part Number	Connection	A-AB	B-AB	MZ20 actuator
DN 15	0,25	VZ219E-15BP01	G1/2A	VZ219C-15BP01	15mm	0.25	--	350
DN 15	0,4	VZ219E-15BP02	G1/2A	VZ219C-15BP02	15mm	0.4		
DN 15	0,6	VZ219E-15BP03	G1/2A	VZ219C-15BP03	15mm	0.6		
DN 15	1	VZ219E-15BP04	G1/2A	VZ219C-15BP04	15mm	1		
DN 15	1,6	VZ219E-15BP05	G1/2A	VZ219C-15BP05	15mm	1.6		
DN 15	2	VZ219E-15BP06	G1/2A	VZ219C-15BP06	15mm	2		250
DN 20	2,5	VZ219E-20BP07	G3/4A	VZ219C-20BP07	22mm	2.5		
DN 20	4	VZ219E-20BP08	G3/4A					
DN 20	6	VZ219E-20BP09	G3/4A					
Three-way valves								
DN 15	0,25	VZ319E-15BP01	G1/2A	VZ319C-15BP01	15mm	0.25	0.25	350
DN 15	0,4	VZ319E-15BP02	G1/2A	VZ319C-15BP02	15mm	0.4	0.25	
DN 15	0,6	VZ319E-15BP03	G1/2A	VZ319C-15BP03	15mm	0.6	0.4	
DN 15	1	VZ319E-15BP04	G1/2A	VZ319C-15BP04	15mm	1	0.6	
DN 15	1,6	VZ319E-15BP05	G1/2A	VZ319C-15BP05	15mm	1.6	1	
DN 15	2	VZ319E-15BP06	G1/2A	VZ319C-15BP06	15mm	2	1.6	150
DN 20	2,5	VZ319E-20BP07	G3/4A	VZ319C-20BP07	22mm	2.5	1.6	
DN 20	4	VZ319E-20BP08	G3/4A					100 A-AB 40 B-AB
DN 20	6	VZ319E-20BP09	G3/4A					
Three-way valves with integral by-pass (4 ports)								
DN 15	0,25	VZ419E-15BP01	G1/2A	VZ419C-15BP01	15mm	0.25	0.25	350
DN 15	0,4	VZ419E-15BP02	G1/2A	VZ419C-15BP02	15mm	0.4	0.25	
DN 15	0,6	VZ419E-15BP03	G1/2A	VZ419C-15BP03	15mm	0.6	0.4	
DN 15	1	VZ419E-15BP04	G1/2A	VZ419C-15BP04	15mm	1	0.6	
DN 15	1,6	VZ419E-15BP05	G1/2A	VZ419C-15BP05	15mm	1.6	1	
DN 15	2	VZ419E-15BP06	G1/2A	VZ419C-15BP06	15mm	2	1.6	250
DN 20	2,5	VZ419E-20BP07	G3/4A	VZ419C-20BP07	22mm	2.5	1.6	
DN 20	4	VZ419E-20BP08	G3/4A					100 A-AB 40 B-AB
DN 20	6	VZ419E-20BP09	G3/4A					