

VY6300

Motorized Two-Way Ball Valve

The VY6300 is a two-way ball valve with screw-type connection. The valve provides two-position control of chilled/hot water.



Specifications

Power		100/200Vac, 50/60Hz					
Power consumption		10W (10VA)					
Timing		15s (50Hz) / 13s (60Hz)					
Applicable fluids		Water, heavy oil, air, or brine					
Valve materials	Body	Bronze casting (CAC406)					
	Stem	Stainless steel (SUS304)					
	Ball	Stainless steel (SCS13)					
	Seat ring	PTFE (polytetrafluoroethylene)					
	O-ring	NBR (nitrile-butadiene rubber)					
Actuator materials	Type	For 15A to 25A valve sizes			For 32A to 50A valve sizes		
	Case	PC (polycarbonate) resin			Die-cast aluminum		
	Cover	PC (polycarbonate) resin			PC resin		
	Yoke	PPS (polyphenylene sulfide) resin			SPCC (cold rolled steel plate)		
Fluid temperature		-5°C to +80°C					
Allowable operating pressure		Max. 2.0MPa					
Operating differential pressure		0 to 1.0MPa					
Ambient temperature		-20°C to +50°C					
Ambient humidity		5 to 95% RH					
Protective structure		Splash-proof (IP54)					
Analog output of fully-open and fully-closed signals (for pilot lamp)		100Vac 1A max. (VY6300A) 200Vac 1A max. (VY6300B)					
Mass	Valve size	15A	20A	25A	32A	40A	50A
	Mass (kg)	1.2	1.3	1.6	3.6	4.4	4.9

Selection Guide



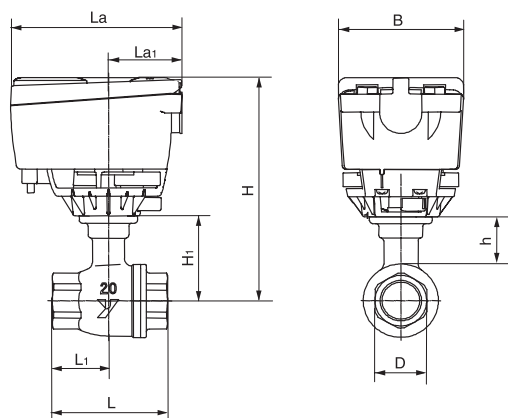
Example: VY6300A0011

Segment	Model No. selection		Description	
I	Basic No.	VY63	Motorized two-way ball valve with screw connection	
II	Control signal	0	SPST	
III	Rating and material	0	2 MPa, bronze casting (CAC406)	
IV	Power	A00	100Vac 50/60Hz	
		B00	200Vac 50/60Hz	
V	Valve size and Cv value		Valve size	Cv value
		11	15A (Rc 1/2")	13
		21	20A (Rc 3/4")	33
		22	25A (Rc 1")	56
		31	32A (Rc 1 1/4")	86
		41	40A (Rc 1 1/2")	130
		51	50A (Rc 2")	130

Dimensions

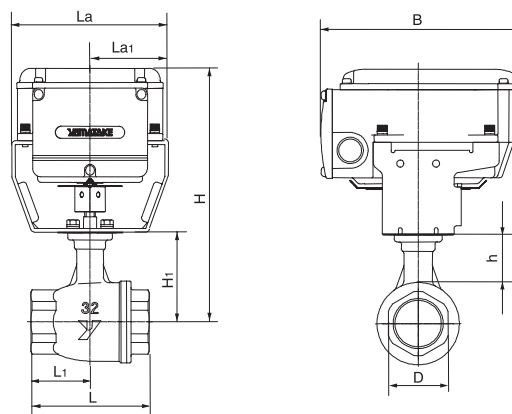
(Unit: mm)

• VY6300 □ 0011, 21, 22



Valve size	L	L1	La	La1	H	H1	B	D	h
15A	82	39	120	51.5	141.9	50.9	78	27	26.9
20A	82	39	120	51.5	145.5	54.5	78	33	30.5
25A	92	46	120	51.5	149.5	58.5	78	41	29.5

• VY6300 □ 0031, 41, 51



Valve size	L	L1	La	La1	H	H1	B	D	h
32A	106	53	140	70	212.5	74.5	165	50	40
40A	122	61	140	70	218.5	80.5	165	56	40.5
50A	142	71	140	70	218.5	80.5	165	69	40.5