

VY6100

Motorized Ball Valve

The VY6100 2-position, 2-way motorized ball valve is designed for chilled/hot water or steam service and features superior shutoff characteristics and reduced pressure loss.

The VY6100A, B are for steam service and the VY6100C, D are for chilled/hot water service.



Specifications

Power		100Vac/200Vac 50/60Hz					
Power consumption		12W (13VA)					
Timing		11s (50Hz) and 9s (60Hz)					
Material	Valve body	Cast bronze (CAC406) or stainless steel (SCS13)					
	Ball	Stainless steel					
	Valve seat	Specially processed Teflon					
Fluid temperature		-20 to +180°C (models VY6100A, B) -20 to +90°C (models VY6100C, D)					
Allowable operating pressure		Max. 0.98MPa					
Operating differential pressure		0 to 0.98MPa					
Ambient temperature		-20 to +50°C					
Ambient humidity		5 to 95% RH					
Protective structure		Spray-proof (IP53)					
Mass	Valve size	15A	20A	25A	32A	40A	50A
	Mass (kg)	3.1	3.0	3.5	4.3	5.3	7.3

Accessories (sold separately)

Model No.	Description
AT72-J1	Power supply transformer
83104346-003	Seal connector
83161792-001	Auxiliary switch*
83161793-001	Auxiliary potentiometer*

* Either an auxiliary switch or an auxiliary potentiometer can be added, but not both.

Selection Guide

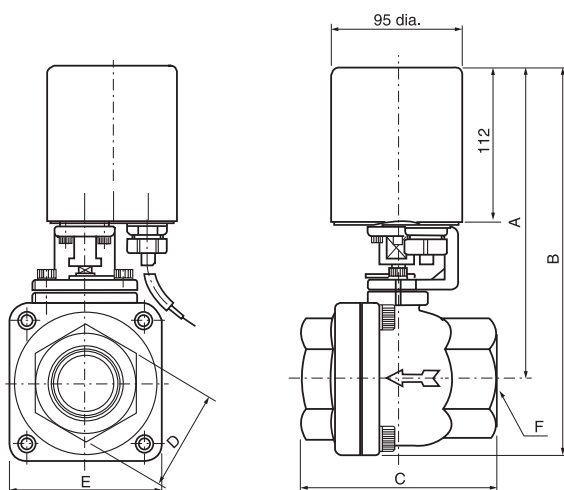
Example: VY6100A1002

Segment	Model No. selection			Description	
I	Basic No.	VY6100	↓ ↓	2-position, 2-way motorized ball valve	
II	Power			Power (50/60Hz)	Applicable fluids (body material)
	Applicable fluids	A10	○ –	100Vac	Steam (body: bronze)
	Body material	B10	– ○	200Vac	
		C30	○ –	100Vac	Chilled/hot water (body: stainless steel)
III	Valve size and Cv value			Valve size	Cv value
		02	○ –	15A (PT 1/2")	4
		00	○ –		9.5
		10	○ –		4
		08	○ –	20A (PT 3/4")	13.5
		16	○ –	25A (PT 1")	22
		24	○ –	32A (PT 1 1/4")	40
		32	○ –	40A (PT 1 1/2")	55
		40	○ –	50A (PT 2")	110
		03	– ○		4
		01	– ○	15A (PT 1/2")	9.5
		11	– ○		4
		09	– ○	20A (PT 3/4")	13.5
		17	– ○	25A (PT 1")	22
		25	– ○	32A (PT 1 1/4")	40
		33	– ○	40A (PT 1 1/2")	55
		41	– ○	50A (PT 2")	110

• A circle (○) denotes availability.

Dimensions

(Unit: mm)



Valve size	A	B	C	D	E	F
15A	196	224	82	35	56	PT 1/2"
20A						PT 3/4"
25A	200	232	92	44	64	PT 1"
32A	208	248	106	54	80	PT 1 1/4"
40A	214	261	122	58	94	PT 1 1/2"
50A	222	277	142	74	110	PT 2"