

## HL-G3 Series Three-Way Motorized Valves

### General

HL-G3 Model is a series of three-way motorized valves with screw connection; the valve and actuator can be separated in two units

When a thermostat sends the controlling signal to the motorized valve, the valve is opened with water flowing. The signal disappears; the valve will be completely closed by its own spring.



### Model No.

No.	Model	Size	Kv (Cv)Value	Closing Pressure(MPa)
1	HL-G3-1/2-S2	1/2"(15mm)	2.2 ( 2.5 )	0.20
2	HL-G3-3/8-S2	3/8"(20mm)	2.2 ( 2.5)	0.20
3	HL-G3-5/8-S2	5/8"(20mm)	3.0 ( 3.5 )	0.18
4	HL-G3-3/4-S2	3/4"(20mm)	3.0 ( 3.5 )	0.18
5	HL-G3-7/8-S2	7/8"(25mm)	6.9 ( 8.0 )	0.15
6	HL-G3-1-S2	1" (25mm)	6.9 ( 8.0 )	0.15

### Features

- All valves conform with the European Pressure Equipment Directive PED 97/23/EC
- All actuators conform with the protection requirements of Council Directive 89/336/EEC relating to electromagnetic compatibility (EMC)
- Forging brass body
- Stainless base with aluminum shell
- Synchromoter drive
- Efficient power consumption and less noise
- BSPP/NPT connections
- Strong seaworthy packing suitable for export

### Specification

Power Supply : 220Vac,110Vac, 24Vac	Power Consumption: < 7W
Pressure: 1.6MPa	Media Temperature: 5 ~ 90°C
Valve Action Time: Open < 10s, Return < 6s	Working Environment: 5 ~ 60°C,10%-95%RH
Weight: 0.95KG(NET), 0.99KG(GROSS)	Medium: Hot or cold water use upto 50% Glycol
Dimension(per unit): 12.8*11*7.2(mm)	Packing Dimension(20pcs): 53.5*41.5*21(mm)



Model	Power	Torque	Power Consumption	Operation Time	Control Signal	Feedback
VA03-0224B0(K)	24VAC ± 10%	2Nm	4VA	110s	0 ~ 10VDC	—
VA03-0424B0(K)	24VAC ± 10%	4Nm	4VA	110s	0 ~ 10VDC	
VA03-0624B0(K)	24VAC ± 10%	6Nm	4VA	110s	0 ~ 10VDC	
VA03-0824B0(K)	24VAC ± 10%	8Nm	4VA	160s	0 ~ 10VDC	
VA03-0224C0(K)	24VAC ± 10%	2Nm	4VA	110s	4 ~ 20mADC	
VA03-0424C0(K)	24VAC ± 10%	4Nm	4VA	110s	4 ~ 20mADC	
VA03-0624C0(K)	24VAC ± 10%	6Nm	4VA	110s	4 ~ 20mADC	
VA03-0824C0(K)	24VAC ± 10%	8Nm	4VA	160s	4 ~ 20mADC	
VA03-1024B0(K)	24VAC ± 10%	10Nm	7.5VA	66s	0 ~ 10VDC	
VA03-1524B0(K)	24VAC ± 10%	15Nm	7.5VA	90s	0 ~ 10VDC	
VA03-2024B0(K)	24VAC ± 10%	20Nm	7.5VA	110s	0 ~ 10VDC	
VA03-3024B0(K)	24VAC ± 10%	30Nm	7.5VA	143s	0 ~ 10VDC	
VA03-1024C0(K)	24VAC ± 10%	10Nm	7.5VA	66s	4 ~ 20mADC	
VA03-1524C0(K)	24VAC ± 10%	15Nm	7.5VA	90s	4 ~ 20mADC	
VA03-2024C0(K)	24VAC ± 10%	20Nm	7.5VA	110s	4 ~ 20mADC	
VA03-3024C0(K)	24VAC ± 10%	30Nm	7.5VA	143s	4 ~ 20mADC	
VA03-0224B1 (K)	24VAC ± 10%	2Nm	4VA	110s	0 ~ 10VDC	0 ~ 10V DC
VA03-0424B1(K)	24VAC ± 10%	4Nm	4VA	110s	0 ~ 10VDC	0 ~ 10V DC
VA03-0624B1(K)	24VAC ± 10%	6Nm	4VA	110s	0 ~ 10VDC	0 ~ 10V DC
VA03-0824B1(K)	24VAC ± 10%	8Nm	4VA	160s	0 ~ 10VDC	0 ~ 10V DC
VA03-0224C1 (K)	24VAC ± 10%	2Nm	4VA	110s	4 ~ 20mADC	0 ~ 10V DC
VA03-0424C1(K)	24VAC ± 10%	4Nm	4VA	110s	4 ~ 20mADC	0 ~ 10V DC
VA03-0624C1(K)	24VAC ± 10%	6Nm	4VA	110s	4 ~ 20mADC	0 ~ 10V DC
VA03-0824C1(K)	24VAC ± 10%	8Nm	4VA	160s	4 ~ 20mADC	0 ~ 10V DC
VA03-1024B1(K)	24VAC ± 10%	10Nm	7.5VA	66s	0 ~ 10VDC	0 ~ 10V DC
VA03-1524B1(K)	24VAC ± 10%	15Nm	7.5VA	90s	0 ~ 10VDC	0 ~ 10V DC
VA03-2024B1(K)	24VAC ± 10%	20Nm	7.5VA	110s	0 ~ 10VDC	0 ~ 10V DC
VA03-3024B1(K)	24VAC ± 10%	30Nm	7.5VA	143s	0 ~ 10VDC	0 ~ 10V DC
VA03-1024C1(K)	24VAC ± 10%	10Nm	7.5VA	66s	4 ~ 20mADC	0 ~ 10V DC
VA03-1524C1(K)	24VAC ± 10%	15Nm	7.5VA	90s	4 ~ 20mADC	0 ~ 10V DC
VA03-2024C1(K)	24VAC ± 10%	20Nm	7.5VA	110s	4 ~ 20mADC	0 ~ 10V DC
VA03-3024C1(K)	24VAC ± 10%	30Nm	7.5VA	143s	4 ~ 20mADC	0 ~ 10V DC