

Solenoid Actuator Control Valve (Liquid)

CV-1000 Series



■ Outlines

- CV-1000 Series: Solenoid actuator-equipped control valve for liquid applications
- Efficient liquid control when used in combination with LM-3000L Series

■ Features

- High-speed and high efficiency solenoid actuator
- Long-term leak tightness ensured using metal seal
- By using metal case and various filters, stable operation can be achieved through reduction of radio frequency noises and electromagnetic field interferences

RoHS

Model		CV-1204	
Flow rate	C ₂ H ₅ OH conversion	0.1 ~ 10g/min	10 ~ 20g/min
	H ₂ O conversion	0.1 ~ 5g/min	5 ~ 10g/min
Flow rate control range *		5 ~ 100% F.S.	
Valve operation mode		Normally closed	
Accuracy *		±1.0% F.S.	
Linearity *		±0.5% F.S.	
Repeatability *		±0.5% F.S.	
Response time *		6sec	
Analog flow rate setting signal *		0 ~ 5VDC	
Analog flow rate output signal *		0 ~ 5VDC	
Operating differential pressure		50 ~ 300kPa	100 ~ 300kPa
Withstand pressure		1MPa(G)	
Operating temperature		0 ~ 50°C 0 ~ 80%RH	
Leak integrity		1×10 ⁻¹¹ Pa·m ³ /sec He	
Wetted materials		SUS316L, PTFE	
Seal materials		Au	
Power supply requirement		+15VDC±3% 100mA, -15VDC±3% 200mA	
Mounting position		Free	
Control valve actuator		Solenoid actuator	
Weight		750g	

*When used with LM-3000L

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