

## Piezoelectric Actuator Control Valve CV-3000 Series



### ■ Outlines

- CV-3000 Series: Pressure-control, high-speed-reaction valve that controls flow rate and concentration of gas and liquid

### ■ Features

- High-speed and high efficiency piezoelectric 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
- Applicable to both open and closed loops

**RoHS**

Model	CV-3102	CV-3202
Flow rate in Nitrogen	100CCM, 500CCM, 5LM	10LM
Valve operation mode	Normally open, normally closed	
Flow rate control range	2% - 100% F.S.	
Valve aperture setting	0 ~ 5VDC	
Response time	0.5 sec	
Operating differential pressure	50 ~ 300kPa	Normally open 50-300kPa Normally closed 100-300kPa
Maximum operating differential pressure	300kPa(G)	
Withstand pressure	1MPa(G)	
Operating temperature	0-50°C · 0-80%RH	
Leak integrity	1×10 <sup>-11</sup> Pa · m <sup>3</sup> / sec He	
Materials exposed to gas	SUS316L, PCTFE, Au	
Seal materials	Au	
Power supply requirement	+15VDC±3% 50mA, -15VDC±3% 50mA	
Mounting position	Free	
Control valve actuator	Piezoelectric actuator	
Weight	700g	