



Solenoid valve for high vacuum

HVB112 Series

- NC (normally closed) type
- Port size: NPT1/8

JIS symbol

- NC (normally closed) type



Specifications

Descriptions	HVB112-6N-*	HVB112-8R-* (custom order)
Working fluid	Vacuum, inert gas (Note 1)	
Working pressure range Pa (abs)	1.3 x 10 ⁻⁶ to 3 x 10 ⁵	
Max. working differential pressure MPa	0.3	
Valve seat leakage Pa·m ³ /s (He)	1.0 x 10 ⁻⁹ or less	
External leakage Pa·m ³ /s (He)	1.0 x 10 ⁻⁹ or less	
Withstanding pressure MPa	0.5	
Back pressure (Note 2) MPa	0.2	
Fluid temperature °C	5 to 55	
Ambient temperature °C	0 to 55	
Orifice mm	1.6	
Cv flow factor	0.09	
Frequency time/min. or less	60	
Port size	NPT1/8	1/4 inch VCR female
Mounting attitude	Vertical installation with coil facing upward	
Weight kg	0.15	0.24
Electrical specifications		
Rated voltage	100, 200 VAC (50/60Hz), 24 VDC	
Allowable voltage fluctuation	Rated voltage ±10%	
Power consumption W	4.0	
Heat proof class	B	
Temperature rise K	70	

Note 1: The durability may drop remarkably depending on the degree of dryness.

Note 2: Pressurizing from the A port with the B port released to atmosphere is possible.

How to order

HVB 112 - 6N - 5 - AC100V

Model no.

Orifice φ1.6

A Port size

B Voltage

Symbol	Descriptions
A Port size	
6N	NPT1/8
8R	1/4" JCR female joint (custom order)
B Voltage	
100 VAC	100 VAC (50/60Hz)
200 VAC	200 VAC (50/60Hz)
24 VDC	24 VDC

Note: The older model HVB11-6N-5 is equivalent to the HVB112-6N-5.