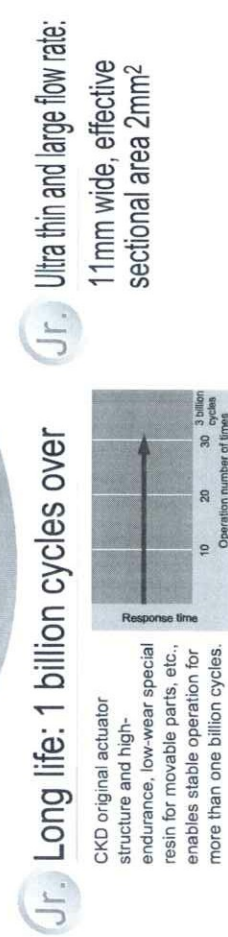


Reaching ultra-high performance: response frequency 1000Hz*, operation life 1 billion cycles

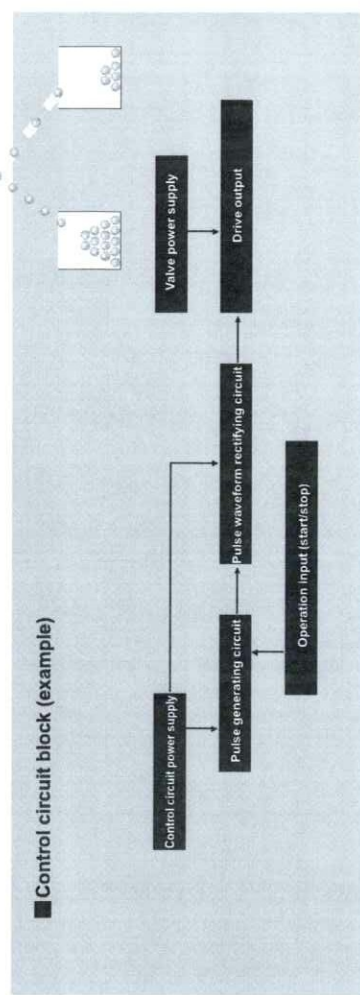
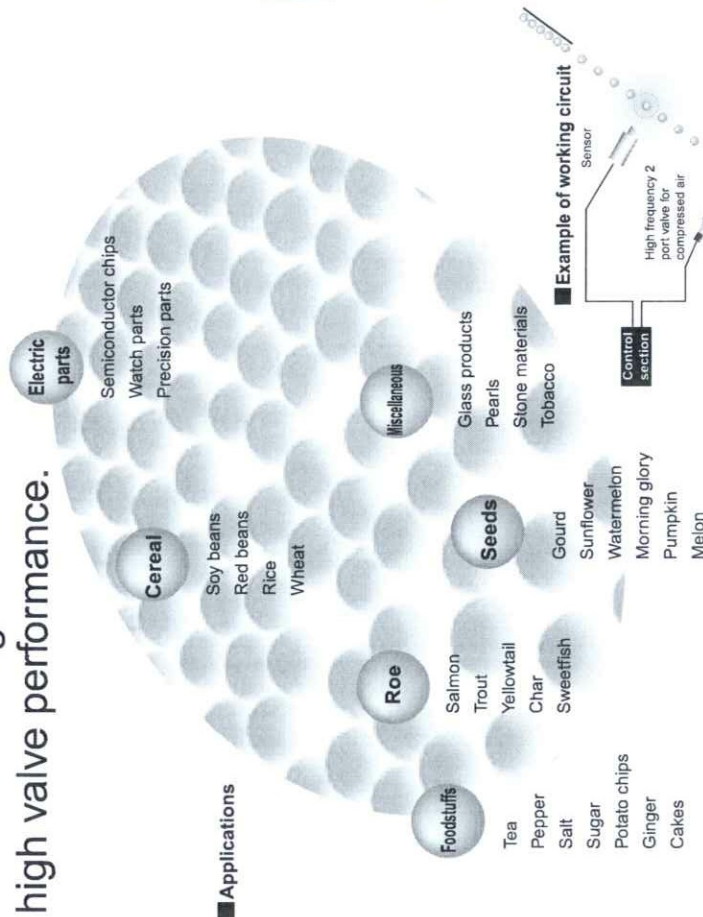
High frequency 2 port valve for compressed air, PJ Series - New high-performance ejector valve incorporating CKD original actuator structure and special resin materials having outstanding wearing resistance

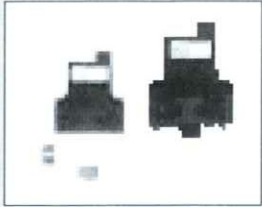
This, PJ series, is a 2 port solenoid valve that blows compressed air in combination with a pulse generating circuit. By incorporating a revolutionary and unique actuator structure and special resin material having high endurance and low wearing for the movable parts, etc., the performance is dramatically increased. The large flow rate even with the thin 11mm width, and a life more than one billion cycles are achieved at the maximum frequency of 1000Hz. This ideal ejector valve meets customers' requirements for transfer and sorting devices at a high level.



* Response frequency 1000Hz: Performance with 0.6msec. ON and 0.4msec. OFF voltage waveform at 0.2MPa supply pressure.

Enabling advanced and detailed sorting with high valve performance.





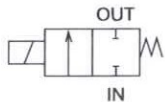
High performance 2 port direct acting solenoid valve for compressed air

HIGH FREQUENCY 2 PORT AIR VALVE PJ SERIES

- Working fluid : Compressed air
- Connection : 6 mm dia. push in joint

JIS symbol

• Normally closed



Specifications

Descriptions	PJ/GPJ
Working fluid	Compressed air
Working pressure range MPa	0.2 to 0.4
Fluid temperature °C	-10 to 40
Ambient temperature °C	-10 to 40
Valve seat leakage NI/min	1.5 or less (0.2Mpa)
Installation attitude	Free
Response time msec	1 or less
Work frequency Hz	200 or less (where following recommended voltage waveform.)
Effective sectional area mm ²	2
Electrical specifications	
Rated voltage	DC48V short time rated
Recommended voltage waveform (*)	
Coil resistance	20 ohm (20 °C)
Heat proof class	Equivalent to H

* Voltage waveform is restricted by cycle rate etc.

Consult with CKD when using other than above specifications.

PLC adapter electrical specifications

Descriptions	Descriptions
Input	Rated voltage V
	DC12-24 ±10%
	Consumption current A
	0.01 or less
	Contact type
	NPN, PNP open corrector
Continuous work frequency Hz	50 or less (ON: 1msec., OFF: 19msec. over)
Rated solenoid valve power supply	DC48 ±5% ripple (P-P) 10% or less 3A over
Ambient temperature °C	-10 to 40
Valve response time ms	1 or less

How to order

• Discrete

PJ - C6 - FA

Ⓐ Connection

Ⓑ Option

Symbol	Descriptions
Ⓐ	C6 6 mm dia. push in joint
Ⓑ	Blank No options
	FA PLC adapter

• Actuator

GPJ - 0

Actuator only

Note : In addition to discrete valve and actuator, manifold is available.



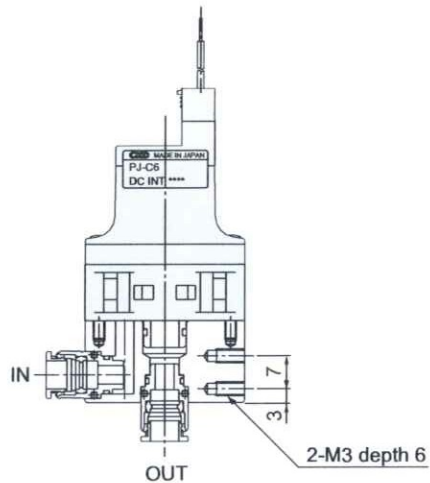
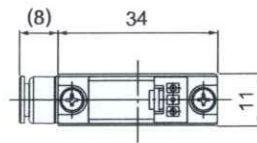
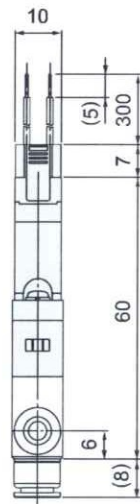
CAD DATA AVAILABLE.

Dimensions

* PJ-C6 (discrete/6mm dia. push in joint)



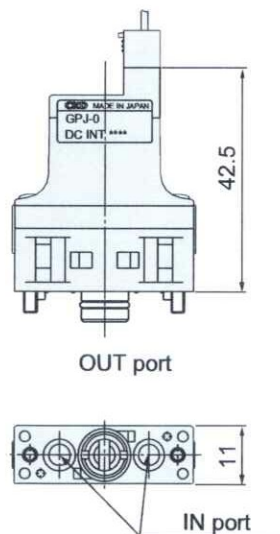
(File name : Page 330 or Ending 27)



* GPJ-0 (actuator)

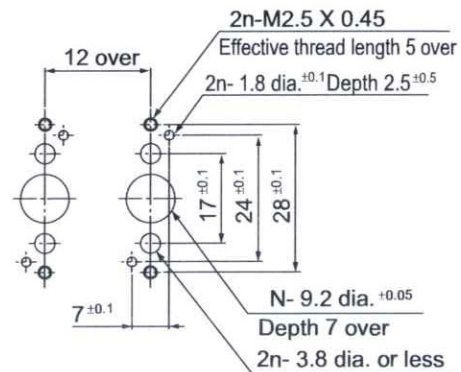


(File name : Page 330 or Ending 27)



Mounting dimensions of actuator

Machining drawing when using 2 actuators



* PJ-C6-FA (PLC adapter)

PLC connection end

Solenoid valve connection end

