



# Safety Precautions

Be sure to read this section before use.

Refer to "Fluid control valves (RJ-013AA)" for general precautions

Product-specific cautions: Air operated fine pinch valve HYA Series

## Design / Selection

### CAUTION

#### ■ Pilot Air

(1) Drain Countermeasures

Compressed air contains a large amount of drainage (water, oil oxides, tar, foreign matter, etc.). This is a factor that significantly reduces the reliability of the pneumatic components. For drainage measures, improve air quality (clean air) by dehumidifying with an after cooler or dryer, removing foreign matter with a filter, using a tar removal filter, etc.

(2) No lubrication used

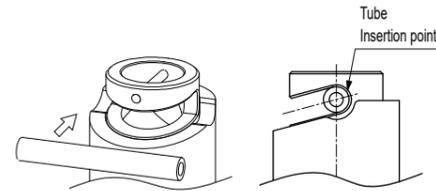
This valve is pre-lubricated, so no lubricator is required. However, once lubrication has been started, it must be continued so that the lubricant does not run out. Use turbine oil Class 1 ISOVG32 (#90) or equivalent for lubrication.

(3) Filter

Mount a filter with a 5 μm or less filter element.

■ The actuator sliding section is greased, so the grease may spatter when air is discharged.

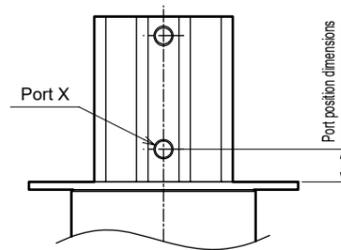
■ Securely insert the tube to the prescribed position.



■ The performance may not be satisfied if a tube other than the recommended ones is used.

■ As compatible piping fittings on the port X side are limited, refer to the table below to select the fitting.

Model No.	Port size	Port position dimensions	Usable fitting O.D.	Inapplicable fittings
HYA-11*	M5	8	ø15 or less	-
HYA-12*		11		
HYA-13*	Rc1/8	8		GWS 10-6 GML8-6 GWL10-6
HYA-21*	M5	5.5	ø11 or less	GWS6-M5
HYA-22*		8	ø15 or less	-
HYA-23*		11		
HYA-31*		5.5	ø11 or less	GWS6-M5
HYA-32*		8	ø15 or less	-
HYA-33*	11			



■ When using CKD's recommended tubes in products, the Export Trade Control Ordinance does not apply; however, the Ordinance may apply to tubes prepared by the customer depending on their material. When exporting products of this kind, please note that an application for export permission to the Minister of Economy, Trade and Industry is required. (Refer to Ordinance of the Ministry of Land, Infrastructure, Transport and Tourism, Article 2, Paragraph 2, Item 7, (a).)

For cautions for mounting, installation, adjustment, use and maintenance, refer to the CKD components Product Site (<https://www.ckd.co.jp/kiki/en/>) → "Model No. → [Instruction manual] for details.