



Contact our sales office for delivery dates and prices as this is a special model.

SP136X-025E  
P: RY



*P.G.Information (Specialized Product)*

## Moisture Control Tube Compact type IDK04-100-X012

SMC CORPORATION  
4-14-1, SOTO-KANDA,  
CHIYODA-KU,  
TOKYO 101-0021, JAPAN  
URL: <http://www.smcworld.com>

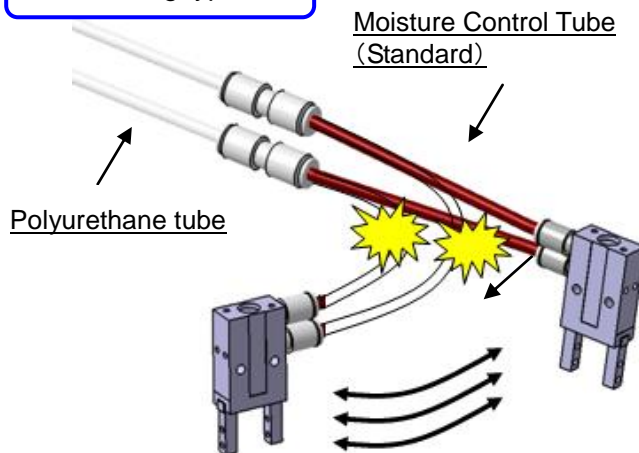
### ■ Features

#### Shorter overall length with coiled shape

- Prevent problems due to tube buckling
- Optimum choice for compact cylinders/chucks which frequently repeat linear movement/fluctuation.
- Moisture Control Tube prevents dew condensation in the piping of compact cylinders/chucks.

Model	Specifications
IDK04-100-X012	Compact Type Coiled Shape

Existing type



Buckling of Moisture control Tube with a small minimum bending radius may occur during the liner movement/fluctuation of cylinders/chucks.

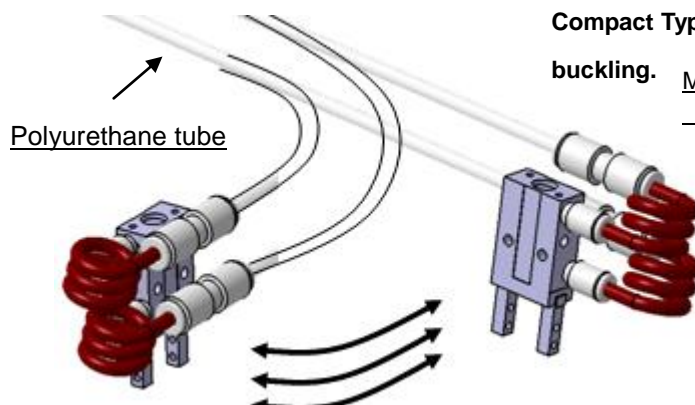


Standard



Buckling

#### Compact type



Use flexible polyurethane tube for piping of the moving part and connect to the actuator/chuck with Moisture Control Tube Compact Type. This application prevents troubles due to tube buckling.

Moisture Control Tube  
Compact Type

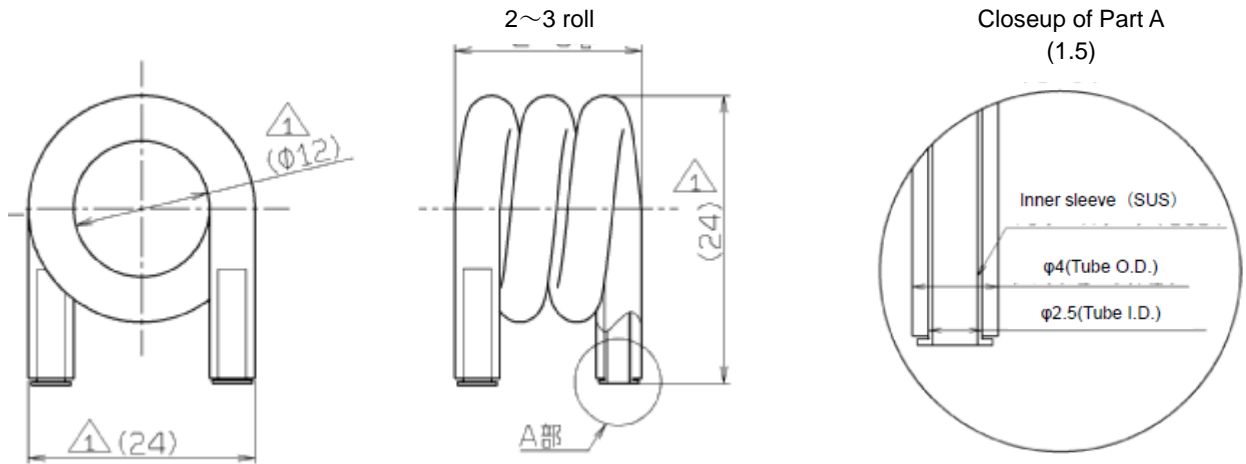


Compact Type  
Coiled Shape



(Example) Piping with air

## ■ Specifications/Dimensions



Model		IDK04
Specifications	Fluid	Compressed air
	Max.operating pressure	0.7MPa
	Operating temperature	0 to 40℃ (No freezing)
	Operating environment	Indoors (0 to 40℃,Relative humidity 0 to 75%RH)
★	Conditions to prevent dew condensation*3	Volume ratio Kv *1
★		Supply Air Atmospheric dew point
★		Supply Air Pressure
★		Ambient temp/humidity
★	Quantity of moisture control tubes	
	Applicable fittings *2	
	Material	
	Weight	

★Special specifications

\*1 What is the volume ratio “Kv”?

$$\text{Volume ratio } Kv = \frac{Vt}{Vc}$$

Vt: Piping volume

(Volume of the piping from the switching valve to the actuator)

Vc: Actuator volume

\*2 Please prepare the fittings separately.

The fittings should be used with the inner sleeve inserted in them.

\*3 This will change depending on the operating conditions. Please refer to the catalogue for the details.

## ■ How to Order

1 pc will be included in the package.

**IDK 04 – 100 – X012**

Tube size

Symbol	O.D.
04	φ 4

Tube effective length

Symbol	Effective length
100	100 mm

Special specifications ★

Symbol
X012

Counterclockwise coil



Caution To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.