

## SOLENOID VALVE

## Push-in Fitting Diaphragm Valve



**No separate fittings required  
Just insert tubing directly**

## Features

- Just insert plastic tubing into the ports to connect the valve. No special preparation of the tubing is required, such as enlarging the connection end.
- For disconnection, simply pull out the tubing while pushing in the port ends (collets).
- The tubing can freely revolve even after insertion. This prevents troublesome kinking and twisting that can occur when you screw the other end of the tubing into a threaded port using a conventional fitting.
- Integral moulding eliminates the concern of leakage between the fittings and the body.
- Applicable to O.D. 2 mm PTFE/PFA tubing.
- Independent threaded fittings are also available.

## How to Connect/Disconnect Tubing



Just insert the tubing into ports.



Just pull out the tubing while pushing in the port ends (collet).

**Use the QR code on the right or the link below to see the movie "How to connect"**

<https://youtu.be/RaJFxzWf0cQ>



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# Specifications for Standard Models

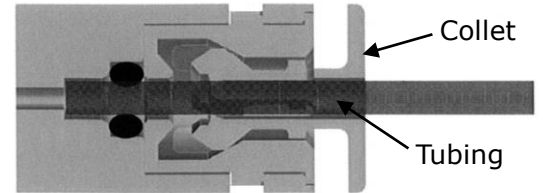
Model Number	CTV-2-P2RF-S	CTV-3-P2RF-S
Type	2-way N.C.	3-way
Orifice Diameter	1.2 mm	
Tubing to Connect	O.D. 2 mm PTFE/PFA Tubing	
Operating Pressure Range	-50 ~ 200 kPa	
Fluid Temp. Range	5 ~ 50°C	
Ambient Temp. Range	5 ~ 40°C	
Rated Voltage	12 VDC, 24 VDC	
Power Consumption	3.5 W	
Duty Cycle	Continuous	
Dielectric Strength	AC1500V 60 s	
Wetted Materials	PPS, PTFE, FPM	PPS, PTFE, FPM, Al <sub>2</sub> O <sub>3</sub>

\*Please consult with us for other applicable models.

## Push-in Fitting Specifications

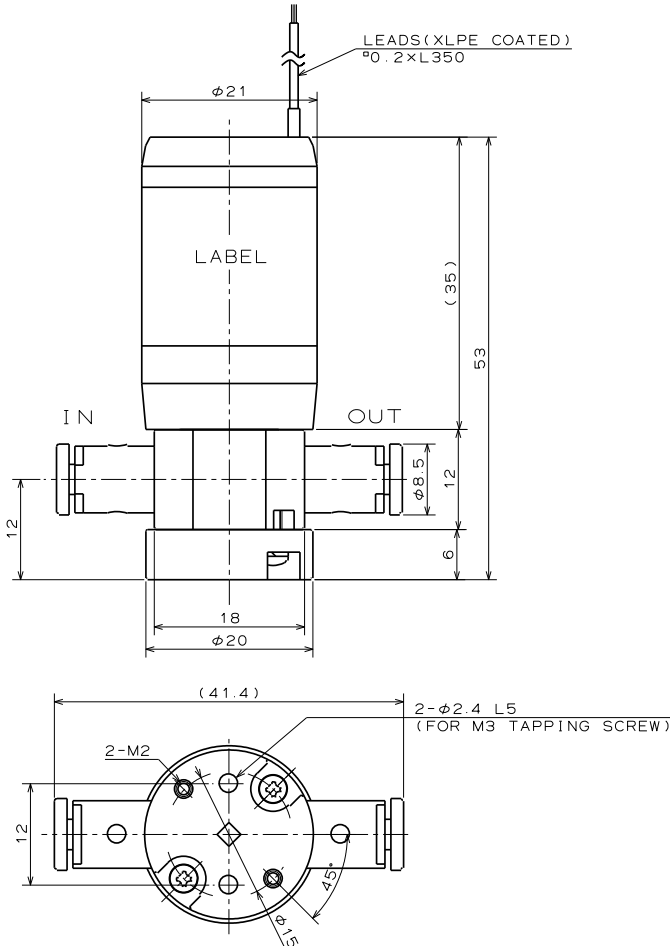
Operating Pressure	700 kPa at 20°C 450 kPa at 100°C
Fluid Temp.	Max. 100°C

## Cross-sectional Image

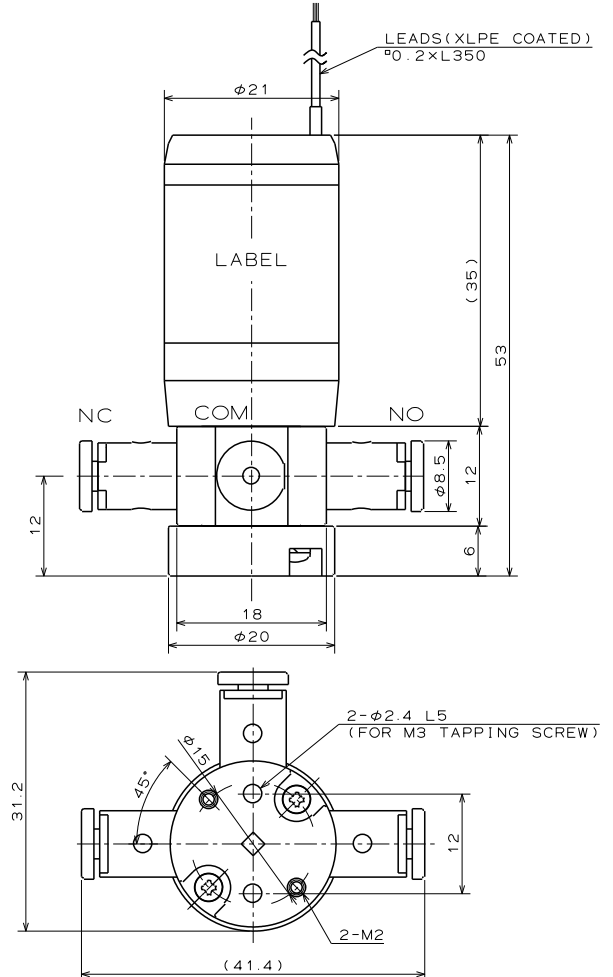


## Dimensions

### CTV-2-P2RF-S



### CTV-3-P2RF-S



Note: Details including specifications may change without notification.