

These are a type of valve that directly pinches tubing made of a soft material such as silicone in order to open and close it ([Pinch Valves Structure](#)). The only wetted material is the tubing, therefore cleanliness of the flow path can be maintained and cross-contamination avoided through exchanging tubing after use. It is also possible to use this valve with slurry which is fluid containing small particles. If you don't find suitable pinch valve from the list below, please feel free to contact us. We will design a pinch valve for your tubing.

List of Pinch Valves



PE Series

The smallest pinch valve in our product range with an actuator of 14 mm in diameter. [See more details.](#)

| | |
|--------------------------|-------------------|
| Tubing I.D. | 0.8 mm |
| Tubing O.D. | 2.4 mm |
| Tubing material | silicone |
| Pressure | 0 ~ 100 kPa |
| Power consumption | 2.8 W |
| Outer dimensions | 21 × 26 × 55.1 mm |



PS Series

This is a standard miniature pinch valve for small diameter tubing. There are three types - NC (Normally Closed), NO (Normally Open) and Dual which has both an N.O. and N.C. side that are simultaneously operated. [See more details.](#)

| | |
|--------------------------|---------------------|
| Tubing I.D. | 0.8 ~ 1.6 mm |
| Tubing O.D. | 2.4 ~ 3.2 mm |
| Tubing material | silicone, PharMed® |
| Pressure | 0 ~ 150 kPa |
| Power consumption | 3 W |
| Outer dimensions | 26 × 39.2 × 49.5 mm |



PSK Series

This is the PS pinch valve with the tube holding feature. [See more details.](#)

| | |
|--------------------------|---------------------|
| Tubing I.D. | 0.8 ~ 1.6 mm |
| Tubing O.D. | 2.4 ~ 3.2 mm |
| Tubing material | silicone, PharMed® |
| Pressure | 0 ~ 150 kPa |
| Power consumption | 3 W |
| Outer dimensions | 26 × 39.2 × 49.5 mm |



PM Series

This valve supports a wide range of tubing materials such as silicone, PharMed® and Tygon®. This pinch valve can be freely used as an NC/NO type with a single tube or as a Dual type with two tubes. It can also be configured as a

| | |
|--------------------------|----------------------------|
| Tubing I.D. | 0.8 ~ 1.6 mm |
| Tubing O.D. | 2.4 ~ 3.2 mm |
| Tubing material | silicone, PharMed®, Tygon® |
| Pressure | 0 ~ 150 kPa |
| Power consumption | 4.4 W |
| Outer | |



PMK Series

This is the PM pinch valve with the tube holding feature. [See more details.](#)

| | |
|-------------------|----------------------------|
| Tube I.D. | 0.8 ~ 1.6 mm |
| Tube O.D. | 2.4 ~ 3.2 mm |
| Tube material | silicone, PharMed®, Tygon® |
| Pressure | 0 ~ 150 kPa |
| Power consumption | 4.4 W |
| Outer dimensions | 26 × 40 × 60 mm |



PL Series

This is a pinch valve adopting a [latching solenoid](#), which maintain the valve open or closed state through the utilization of a permanent magnet. [See more details.](#)

| | |
|-------------------|-----------------------|
| Tube I.D. | 0.8 ~ 2.0 mm |
| Tube O.D. | 2.4 ~ 4.0 mm |
| Tube material | silicone |
| Pressure | 0 ~ 150 kPa |
| Power consumption | 8 W (when energized) |
| Outer dimensions | 30.4 × 30.4 × 61.7 mm |



PK Series

This is a standard pinch valve for medium diameter tubing (Inner diameter of around 3-6mm). [See more details.](#)

| | |
|-------------------|------------------------|
| Tube I.D. | 1.6 ~ 6.4 mm |
| Tube O.D. | 4.8 ~ 9.6 mm |
| Tube material | silicone |
| Pressure | 0 ~ 50 kPa |
| Power consumption | 10 W |
| Outer dimensions | 36 × 40 × 65 ~ 88.3 mm |



NP Series

This is an improved model of the PK series. There is a slit in the tube holder by which to insert tubing from the side of the pinch valve. [See more details.](#)

| | |
|-------------------|--------------------------|
| Tube I.D. | 2.0 ~ 6.4 mm |
| Tube O.D. | 4.0 ~ 9.6 mm |
| Tube material | silicone |
| Pressure | 0 ~ 50 kPa |
| Power consumption | 10 W |
| Outer dimensions | 36 × 40 × 64.5 ~ 87.5 mm |



EPK Series

This is a standard pinch valve for large diameter tubing. [See more details.](#)

| | |
|-------------------|--------------------|
| Tube I.D. | 10.0 ~ 15.0 mm |
| Tube O.D. | 13.0 ~ 19.0 mm |
| Tube material | silicone |
| Pressure | 0 ~ 50 kPa |
| Power consumption | 60 W |
| Outer dimensions | φ64 × 112 ~ 132 mm |



EL Series

This is an equivalent model to the EPK series (for large diameter tubing) but with [latching solenoid](#). [See more details.](#)

| | |
|-------------------|------------------------|
| Tube I.D. | 10.0 ~ 15.0 mm |
| Tube O.D. | 13.0 ~ 19.0 mm |
| Tube material | silicone |
| Pressure | 0 ~ 50 kPa |
| Power consumption | 15 W (when energized) |
| Outer dimensions | φ64 × 128.7 ~ 140.7 mm |

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