

電磁式夾管閥 Electronic Pinch Valve

APV Series



產品特色 Features

- 微小、緊湊型設計 Small, compact design
- 低耗電 Low power consumption
- 衛生且容易清潔(替換流體管子) Hygienic and easy to clean(replace tubes)
- 壽命長 High cycle life
- 可用於全血液及顆粒物 Can handle whole blood and particulate matter
- 順暢管路 Unobstructed flow path
- 容易替換管子 Tubing is easily replaceable

APV 電磁式夾管閥系列透過激磁線圈後會拉動可動鐵心，達到開啟或關閉管路，消磁後將可使鐵芯回到原本的位置，通電即開會關，有常開或常閉可供選擇，針對用於對液體及氣體流動控制。

其他類型的二口閥因內部有微小通道，可能導致流體殘留餘內部，此夾管閥不具有任何多餘空間使得流體殘留於這區域，僅有管路內部會接觸液體。此產品適用於藥物配液、實驗室裝備、廢水處理、醫療設備、化學、食品、飲料設備、陶瓷/玻璃/塑膠、散裝與固體處理等，須確保不讓介質受到污染的產業上。

本產品皆符合 、、、 等認證。

APV electronic pinch valve is solenoid-operated pinch valve that is designed to open and close tubes for controlling flow of liquids and gases. Other valve types have internal dead volume that may cause small amounts of fluid to remain in the valve.

Pinch valves have no dead volume where fluid can become trapped. Only the inside of the tubing contacts the fluid. Energizing the solenoid retracts or attracts the plunger, which opens or closes the tube. De-energizing the solenoid will allow the plunger to return to its original state. Normally open and normally closed options are available.

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規格 Specifications

型式 Valve Type	2-way NC、2-way NO	電壓 Voltage	24 VDC
流體 Medium	Air、Water、Gas、 Compatible fluids	出線長度 Electrical Connections	18" wire leads
工作壓力 Operating Pressure	20 to 30 psi	接液材料 Wetted Materials	醫療級矽膠管 Medical grade silicone tubing
耗電量 Power Consumption	1.0 to 7.2 watts	搭配管徑 Tube size	O.D 6mm、O.D 8mm
反應時間 Response Time	5 to 25 ms		

型號選擇 Order Number

APV—□ —□

動作方式
Action

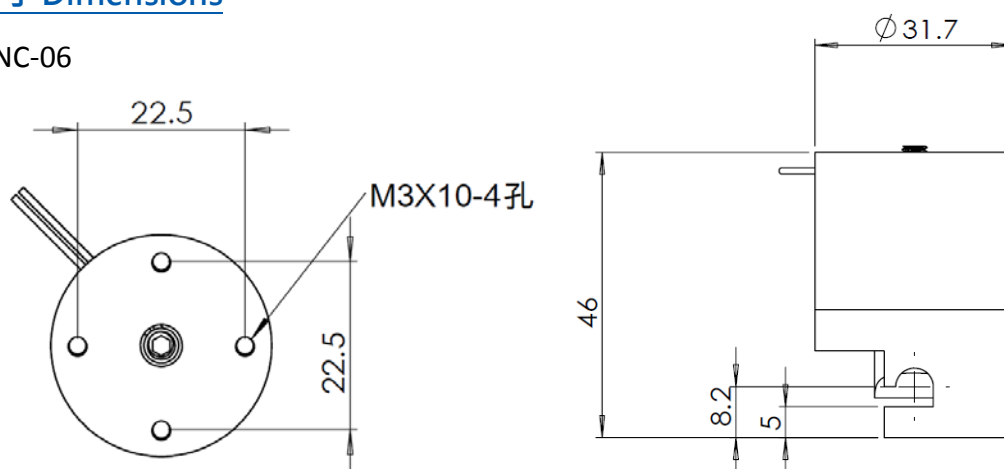
NC	常閉 Normally Closed
NO	常開 Normally Open

管外徑 Tube O.D.

06	6 mm
08	8 mm

外觀尺寸 Dimensions

◆ APV-NC-06



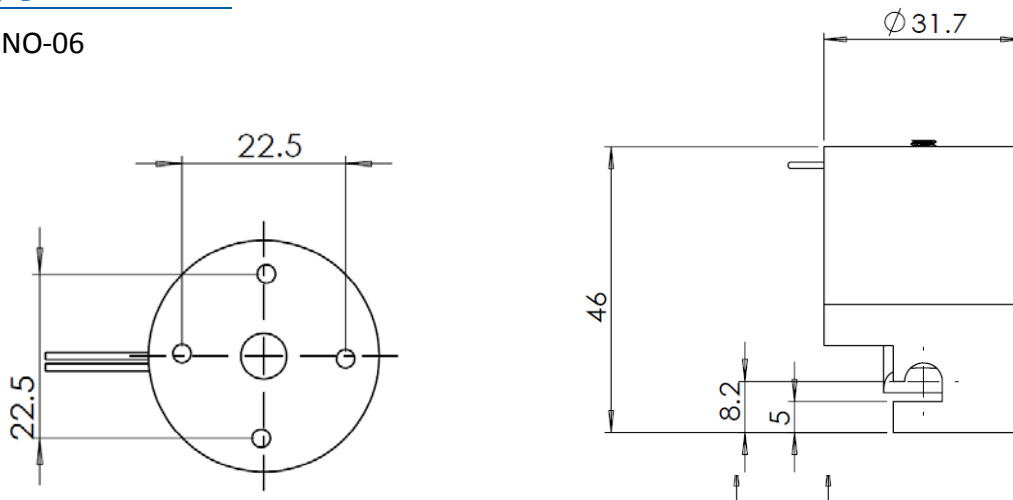
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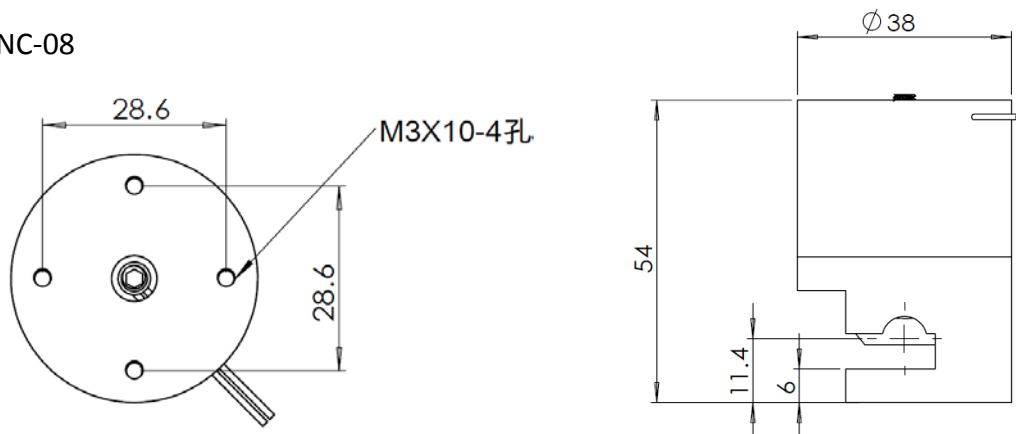


外觀尺寸 Dimensions

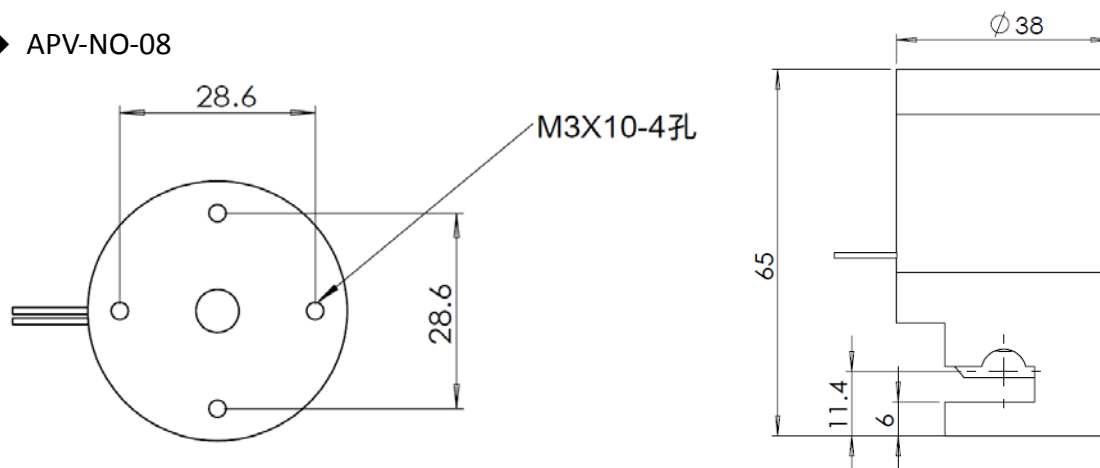
◆ APV-NO-06



◆ APV-NC-08



◆ APV-NO-08



夾管閥 Pinch Valve

All Series



各類夾管閥使用注意事項

1. 請勿在高腐蝕性氣體、化學、海水環境或附著上述物質的場所使用。
2. 請不要附加超過規格範圍以外的正負壓力，如果所加壓高於規範許可值，就會造成流體洩漏、噴出和爆炸。
3. 請定期保養更換管材，防止管材破裂造成意外。
4. 為防止線圈被燒壞，必須按照規格所記載的電氣特性和溫度範圍使用，此外連續通電後線圈表面會出現高溫狀態，請不要用手觸摸。
5. 本產品不宜受日光照射或雨淋場合，請用保護罩等遮蔽保護。
6. 如果自行將產品拆解、再組裝或改造等行為，都將使保固無效。
7. 本產品不能用作緊急關閉裝置。應在系統中安裝安全系統，以防止嚴重傷害或生命損失。

保固

自出廠起 12 個月以內為保固期限，請務必遵守使用注意事項。
因人為因素使用不當造成的產品不良，則本公司對本保修不承擔任何責任。

Precautions for use

1. Do not operate in locations having an atmosphere of corrosive gases, chemicals, sea water, or where there will be contact with the same.
2. Do not apply higher than the allowable operating pressure in the tube, this will result in fluid leakage or tube burst.
3. It is advised to replace the tube from time to time to avoid tube bursting.
4. To avoid damaging the solenoid in solenoid-operated pinch valve, do not apply higher than designated power continuously. The coil may heat up and do not touch the coil with hands.
5. In locations which receive direct sunlight or raining, please provide a protective cover.
6. The product will be out of warranty period should the product be dis-assembled or re-assembled.
7. The product cannot be used as an emergency shut-off. The system should be installed with a safety device to prevent damage to the system.

Warranty

KaoLu Enterprise Co. Ltd. products are warranted to the original purchaser only against defects in material or workmanship for 6 months from the date of manufacture. The extent of KaoLu's liability under this warranty is limited to repair or replacement of the defective unit at KaoLu's option. KaoLu shall have no liability under this warranty where improper installation or filtration occurred.