

## PRECISION DISPENSING VALVES

Teflon Diaphragm Valve  
Needle Valve  
Poppet Valve  
Fine Tuned Needle Valve  
DVD-R Exclusive-USE Valve  
Fine-Tuned Poppet Valve  
Cyanoacrylates Exclusive-Use Valve



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# 精密點膠閥 Precision Dispensing Valves

在點膠閥系統的應用上，具備先進的專業技術及數十年的實務經驗，可提供客戶因應各種吐出使用服務。

In the application of the dispensing system, KOGA Automation has advanced professional technology and decades of practical experience. It can help customers to deal with various demands.

## 點膠閥選擇要點 Selection Point of Dispensing Valve

### 吐出材料特性 Characteristics of Fluids

使用材料 Fluids 環氧樹脂、UV膠、厭氧性材料、油脂溶劑  
Epoxies、UV Glue、Anaerobic Materials、Solvent Naphtha.

材料黏度 Fluid Viscosity 材料的黏度是以Pa.s做為國際單位  
The SI unit of dynamic viscosity is the pascal-second [ Pa. S].  
請在使用前確認材料的黏度以更正確 選用適合的點膠閥式樣  
Please confirm the viscosity of the fluid for choosing the ideal dispensing valve.

硬化條件 Curing Mechanism 加熱硬化、紫外線、金屬離子、水分硬化  
Thermal-curing、UV-Curing、Neutral Cure、Moisture-curing

### 作業條件 Operational Condition

吐出模式 Application 打點、畫線、注入、充填 Dots/Micro Dots、Beads/Lines、Potting、Filling  
平均一次吐油量 Average Dispensing Volume per shot 公克、毫升、CC Gram [g]、Milliliter [ml]、Cubic Centimeter [cc]  
一天吐油量 Dispensing Volume per day 公克、毫升、CC Gram [g]、Milliliter [ml]、Cubic Centimeter [cc]  
作業方式 Operational Mode 手動作業、自動機搭載 Manual Operation、Automatic machine-equipped

### 點膠閥選用標準一覽表 Dispensing Valves Selection

| 種類<br>Type                                   | 點膠閥<br>Dispensing Valve                | 驅動方式<br>Drive Type          | 點膠閥構造<br>Dispensing Valve Structure | 接液部材質<br>Wetted Part Material    | 隔膜片材質<br>Diaphragm Material | 黏度<br>Viscosity | 機能<br>Functions                                    |
|----------------------------------------------|----------------------------------------|-----------------------------|-------------------------------------|----------------------------------|-----------------------------|-----------------|----------------------------------------------------|
| 鐵氟龍隔板閥<br>Teflon Diaphragm Valve             | ATV120-F<br>ATV120-S<br>ATV125K2-S     | 氣壓驅動<br>Driven By Pneumatic | 隔板閥<br>Diaphragm Valve              | PTFE(TEFLON)<br>SUS304<br>SUS304 | 鐵氟龍<br>TEFLON               | 1~1000          | 低黏度流體專用<br>Low Viscosity                           |
| 針頭閥<br>Needle Valve                          | ANV502S-AK<br>ANV801F-AK<br>ANV801P-AK |                             | 針頭閥<br>Needle Valve                 | SUS304<br>PTFE(TEFLON)<br>POM    |                             | 1~500000        | 充填材料專用<br>Filling Material Specifics               |
| 提動閥<br>Poppet Valve                          | APV602-P<br>APV602-S<br>APV602-F       |                             | 提動閥<br>Poppet Valve                 | POM<br>SUS304<br>PTFE(TEFLON)    |                             | 1~100000        | 回吸機能<br>Siphoning Functions                        |
| 微調型針頭閥<br>Fine-Tuned Needle Valve            | MFV502-S<br>MFV801-F<br>MFV801-P       |                             | 針頭閥<br>Needle Valve                 | SUS304<br>PTFE(TEFLON)<br>POM    |                             | 1~50000         | 充填材料專用<br>Filling Material Specifics               |
| 瞬間膠專用閥<br>Cyanoacrylates Exclusive-Use Valve | MQV202-F                               |                             | 針頭閥<br>Needle Valve                 | PTFE(TEFLON)                     |                             | 1~50000         | 高精度流量控制<br>Highly-Accurate Dispense Volume Control |
| DVD-R專用閥<br>DVD-R Exclusive-Use Valve        | MDV12-S                                |                             | 針頭閥<br>Needle Valve                 | SUS304                           |                             | 1~50000         | 高精度流量控制<br>Highly-Accurate Dispense Volume Control |
| 微調型提動閥<br>Fine-Tuned Poppet Valve            | MFV602-P<br>MFV602-S<br>MFV602-F       |                             | 提動閥<br>Poppet Valve                 | POM<br>SUS304<br>PTFE(TEFLON)    |                             | 1~10000         | 回吸機能<br>Siphoning Functions                        |

# 點膠閥系統構成(例) Dispensing Valve System Composition (Example)

## 點膠閥系統構成 Dispensing Valve System Composition

控制器 Valve Controller

點膠閥 Dispensing Valve

壓力容器 Material in Cartridge/ Reservoir/Bottle

## 調整材料吐出量 Shot Volume Adjustment

材料輸送壓力  
Material Pressure Adjustment

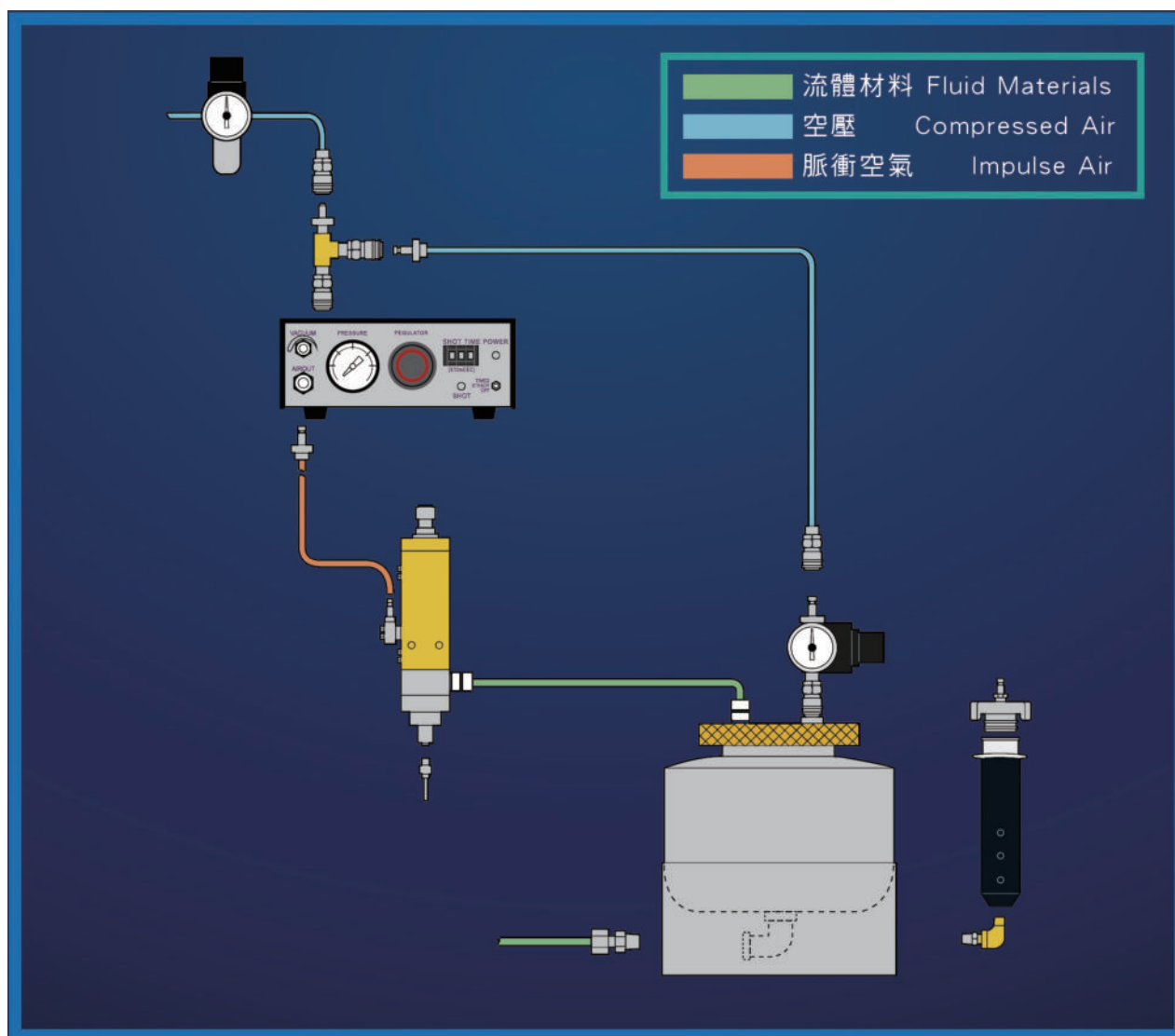
增加流體的壓力可以增大點膠尺寸，反之亦然。  
Getting a higher dispensing amount by increasing pressure into the container, vice versa.

點膠閥的開放時間  
Dispensing Time

增加點膠閥的開放時間可以增大點膠尺寸，反之亦然。  
Getting higher dispensing amount by having a longer dispensing time, vice versa.

針頭口徑  
Needle Gauge

更大口徑的針頭可以輸出更大尺寸的膠點。  
Getting a higher dispensing amount by using a bigger gauge needle, vice versa.



點膠閥選擇要點與構成

# 點膠閥選型表 Dispensing Valve Selection

| 型號<br>Model                                        |            | 規格及特徵<br>Specification & Features |                               |                            |                              | 吐出樣式<br>Application |                            | 黏度<br>Viscosity       |                         |                      | 適用材料<br>Fluid Type        |               |                         |                    |                               |                          |                                    |                                        |                     |                            |                             |               |                       |                     |                    |               |               |
|----------------------------------------------------|------------|-----------------------------------|-------------------------------|----------------------------|------------------------------|---------------------|----------------------------|-----------------------|-------------------------|----------------------|---------------------------|---------------|-------------------------|--------------------|-------------------------------|--------------------------|------------------------------------|----------------------------------------|---------------------|----------------------------|-----------------------------|---------------|-----------------------|---------------------|--------------------|---------------|---------------|
|                                                    |            | 壓縮空氣驅動<br>Compressed-Air Drive    | 電磁驅動<br>Electromagnetic Drive | 回吸機能<br>Siphoning Function | 鐵氟龍接液部<br>Teflon Wetted Part | 微量點塗布<br>Micro-Dots | 充填、封裝塗佈<br>Potting/Filling | 高黏度<br>High-Viscosity | 中黏度<br>Medium-Viscosity | 低黏度<br>Low-Viscosity | 充填材料<br>Filling Materials | 環氧樹脂<br>Epoxy | 導電膏<br>Conductive Paste | 錫膏<br>Solder Paste | 厭氧性接著劑<br>Anaerobic Materials | UV硬化型接著劑<br>UV Adhesives | 氰基瞬間接著劑<br>Cyanoacrylate Adhesives | 橡膠系接著劑<br>Chloroprene Rubber Adhesives | 電解液<br>Electrolytes | 低黏度墨水<br>Low-Viscosity Ink | 高黏度墨水<br>High-Viscosity Ink | 潤滑油<br>Grease | RTV矽膠<br>RTV Silicone | 矽膠油<br>Silicone Oil | 光阻劑<br>Photoresist | 酒精<br>Alcohol | 甲苯<br>Toluene |
|                                                    |            |                                   |                               |                            |                              |                     |                            |                       |                         |                      |                           |               |                         |                    |                               |                          |                                    |                                        |                     |                            |                             |               |                       |                     |                    |               |               |
| 鐵氟龍<br>隔板閥<br>Teflon<br>Diaphragm<br>Valve         | ATV120-F   | ●                                 | ×                             | ×                          | ●                            | ●                   | ×                          | ×                     | ▲                       | ▲                    | ×                         | ×             | ×                       | ▲                  | ▲                             | ▲                        | ×                                  | ▲                                      | ▲                   | ×                          | ×                           | ×             | ×                     | ▲                   | ▲                  | ▲             | ▲             |
|                                                    | ATV120-S   | ●                                 | ×                             | ×                          | ×                            | ●                   | ×                          | ×                     | ▲                       | ▲                    | ×                         | ×             | ×                       | ▲                  | ▲                             | ×                        | ×                                  | ×                                      | ▲                   | ×                          | ×                           | ×             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | ATV125K2-S | ●                                 | ×                             | ×                          | ×                            | ●                   | ×                          | ▲                     | ▲                       | ▲                    | ×                         | ×             | ×                       | ▲                  | ▲                             | ×                        | ×                                  | ×                                      | ▲                   | ×                          | ×                           | ×             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
| 針頭閥<br>Needle<br>Valve                             | ANV502S-AK | ●                                 | ×                             | ×                          | ×                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ●                  | ▲                             | ×                        | ▲                                  | ×                                      | ▲                   | ▲                          | ▲                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | ANV801F-AK | ●                                 | ×                             | ×                          | ●                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ×                  | ▲                             | ×                        | ▲                                  | ▲                                      | ▲                   | ▲                          | ×                           | ▲             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |
|                                                    | ANV801P-AK | ●                                 | ×                             | ×                          | ×                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ●                  | ▲                             | ×                        | ▲                                  | ×                                      | ▲                   | ▲                          | ▲                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
| 提動閥<br>Poppet<br>Valve                             | APV602-P   | ●                                 | ×                             | ●                          | ×                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ▲             | ×                       | ×                  | ▲                             | ▲                        | ×                                  | ▲                                      | ×                   | ▲                          | ×                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | APV602-S   | ●                                 | ×                             | ●                          | ×                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ▲             | ×                       | ×                  | ▲                             | ▲                        | ×                                  | ▲                                      | ×                   | ▲                          | ×                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | APV602-F   | ●                                 | ×                             | ●                          | ●                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ▲             | ×                       | ×                  | ▲                             | ▲                        | ×                                  | ▲                                      | ▲                   | ▲                          | ×                           | ×             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |
| 微調型<br>針頭閥<br>Fine-Tuned<br>Needle<br>Valve        | MFV502-S   | ●                                 | ×                             | ×                          | ×                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ×                  | ▲                             | ×                        | ▲                                  | ×                                      | ▲                   | ▲                          | ▲                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | MFV801-F   | ●                                 | ×                             | ×                          | ●                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ×                  | ▲                             | ×                        | ▲                                  | ▲                                      | ▲                   | ▲                          | ×                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | MFV801-P   | ●                                 | ×                             | ×                          | ×                            | ×                   | ●                          | ▲                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ●                  | ▲                             | ×                        | ▲                                  | ×                                      | ▲                   | ▲                          | ▲                           | ▲             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |
| 瞬間膠專用閥<br>Cyanoacrylates<br>Exclusive-Use<br>Valve | MQV202-F   | ●                                 | ×                             | ×                          | ●                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ×             | ×                       | ▲                  | ▲                             | ▲                        | ▲                                  | ▲                                      | ▲                   | ×                          | ×                           | ×             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |
| DVD-R專用閥<br>DVD-R<br>Exclusive-Use<br>Valve        | MDV12-S    | ●                                 | ×                             | ×                          | ×                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ▲             | ▲                       | ▲                  | ▲                             | ▲                        | ▲                                  | ×                                      | ▲                   | ×                          | ×                           | ×             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |
| 微調型<br>提動閥<br>Fine-Tuned<br>Poppet<br>Valve        | MFV602-P   | ●                                 | ×                             | ●                          | ×                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ×             | ×                       | ▲                  | ●                             | ×                        | ▲                                  | ×                                      | ▲                   | ×                          | ×                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | MFV602-S   | ●                                 | ×                             | ●                          | ×                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ×             | ×                       | ▲                  | ▲                             | ×                        | ▲                                  | ×                                      | ▲                   | ×                          | ×                           | ▲             | ▲                     | ×                   | ▲                  | ▲             | ▲             |
|                                                    | MFV602-F   | ●                                 | ×                             | ●                          | ●                            | ●                   | ●                          | ×                     | ▲                       | ▲                    | ▲                         | ×             | ×                       | ▲                  | ▲                             | ×                        | ▲                                  | ▲                                      | ▲                   | ×                          | ×                           | ×             | ▲                     | ▲                   | ▲                  | ▲             | ▲             |

# 鐵氟龍隔板閥 Teflon Diaphragm Valve

鐵氟龍隔板閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The Teflon Diaphragm Valve utilizes the air pressure to open and close its diaphragm. Applying above 0.35MPa air pressure when operating to the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器（膠管、壓力桶等）；可調整材料壓力與閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.]. Adjusting the pressure to the container, dispensing time and needle gauge, to attain micro or large shots.

適用於輕薄短小的自動化機械。

Ideal for compact automatic machines.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 吐出量調節簡單。  
Easy tuning shot size.
- 可廣泛應用於各種低黏度液體材料。  
Design for the precision dispensing of low-viscosity fluids.
- 接液部有PTFE、SUS兩種材質提供選用。  
Two different materials depending on the wetted parts: PTFE and SUS.
- 接液部材質可針對各種材料吐出應用需求訂做。  
Customized wetted parts to choose from depending on the fluids and application.

### 適用材料 Fluid Type

光阻劑、電解液、甲苯、化學藥品、食品添加劑、其他低黏度材料。

Photoresist, Electrolyte, Toluene, Chemicals, Food Additives, etc. low-viscosity materials.

### 標準規格 Standard Specification

| 型號                                   | ATV120-F           | ATV120-S | ATV125K2-S         |
|--------------------------------------|--------------------|----------|--------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 隔板閥                |          |                    |
| 最小吐出量(ml)<br>Min. Volume             | 0.01ml             |          |                    |
| 流量(KV值)<br>Flow Rate Max.            | 0.3 L/min          |          | 1.0 L/min          |
| 適用黏度<br>Applicable Viscosity         | 1~1,000cps         |          |                    |
| 接液部材質<br>Wetted Part Material        | PTFE (TEFLON)      | SUS304   | SUS304             |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 196 kPa       |          |                    |
| 配管口徑<br>Port Size                    | PT1/8              |          |                    |
| 作動速度<br>Operating Frequency          | 200 cycles/min     |          |                    |
| 作動壓力<br>Operating Air Pressure       | 343~686 kPa        |          |                    |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 74 mm |          | (□) 22 X (H) 64 mm |
| 重量(g)<br>Weight                      | 100                | 175      | 150                |

# ATV120-F



吐出量調節簡單。

Easy tuning shot size.

可廣泛應用於各種低黏度液體材料。

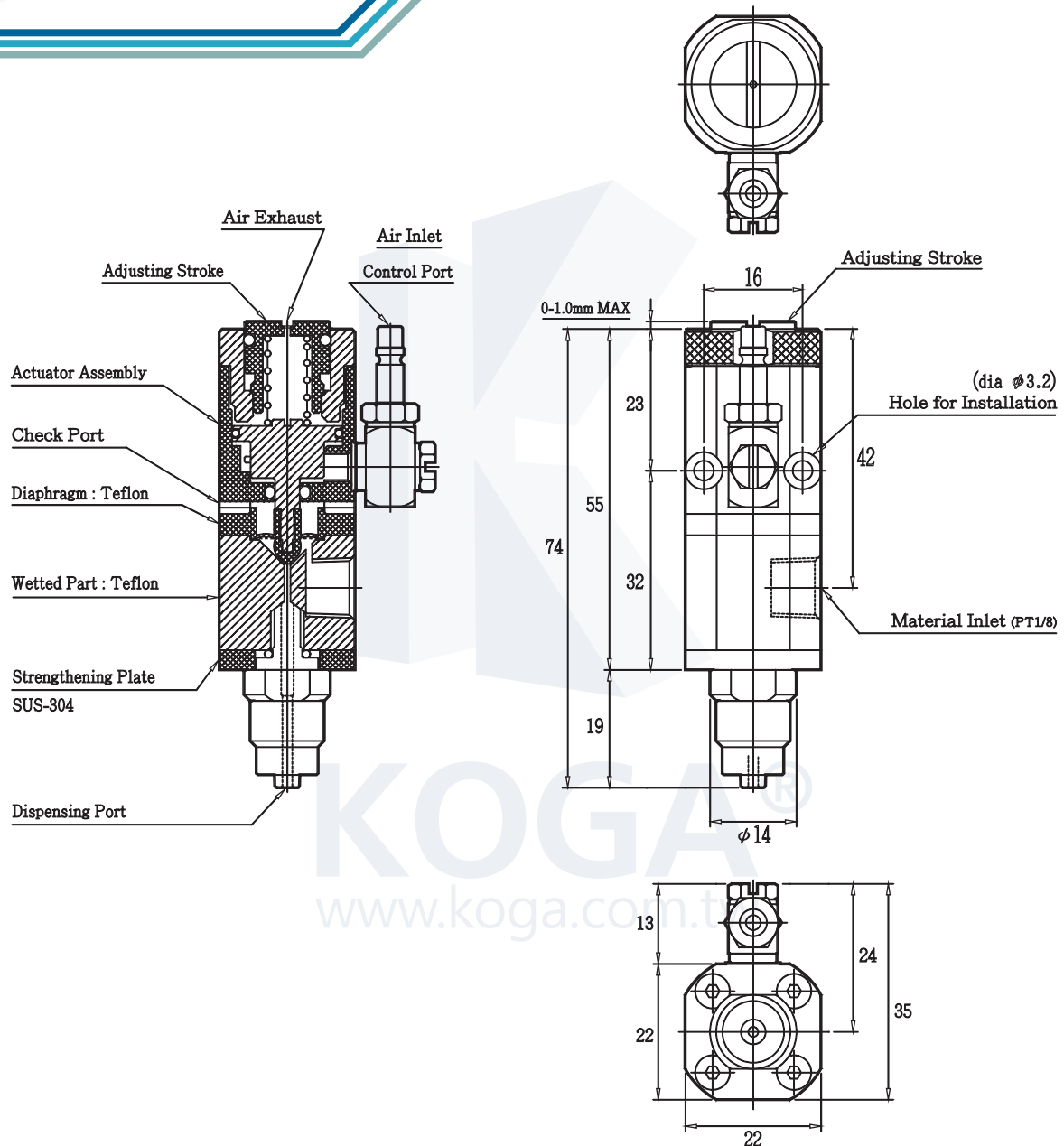
Design for the precision dispensing of low-viscosity fluids.

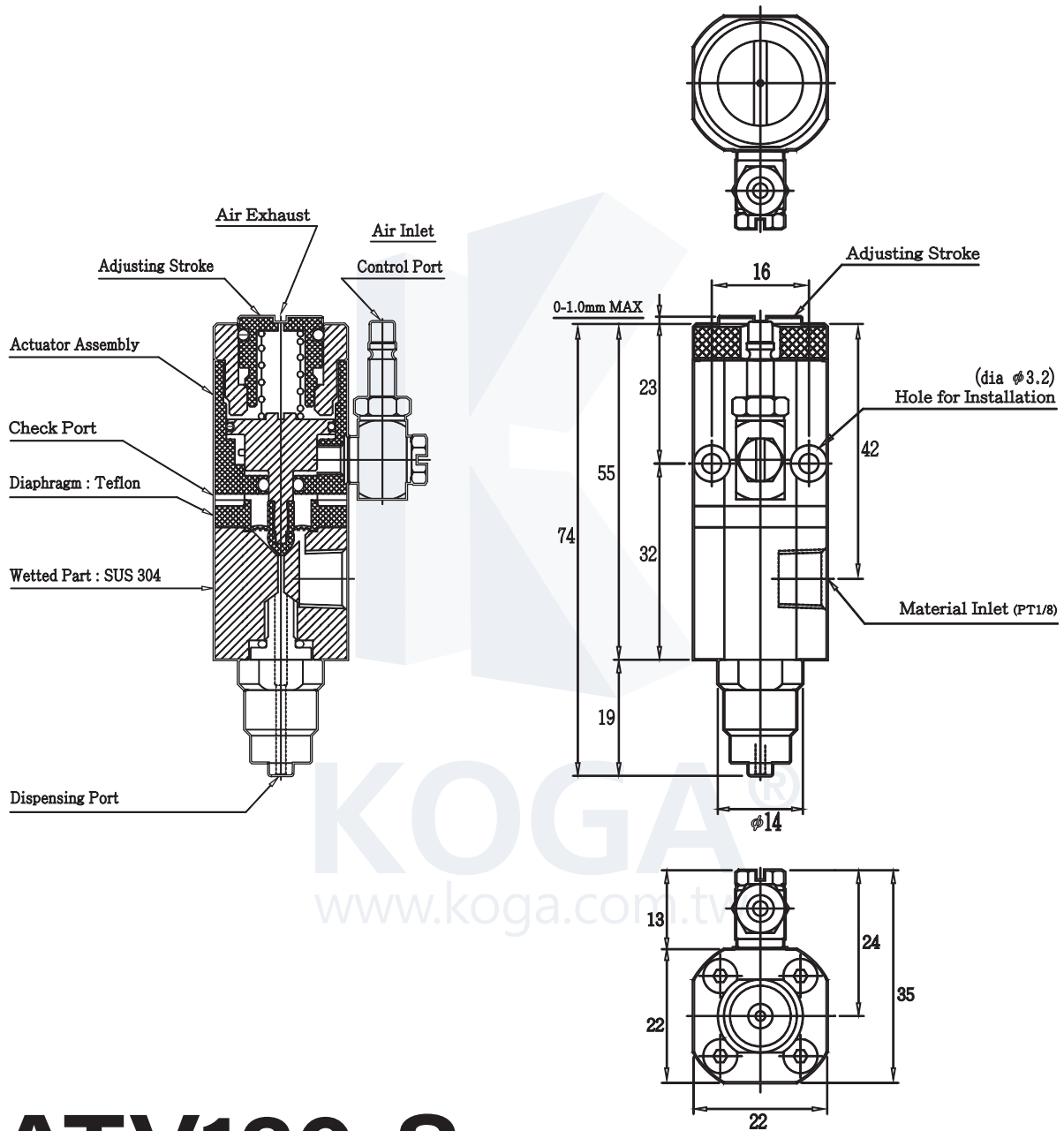
接液部有PTFE、SUS兩種材質提供選用。

Two different materials depending on the wetted parts: PTFE and SUS.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluids and application.





## ATV120-S

吐出量調節簡單。  
Easy tuning shot size.

可廣泛應用於各種低黏度液體材料。  
Design for the precision dispensing of low-viscosity fluids.

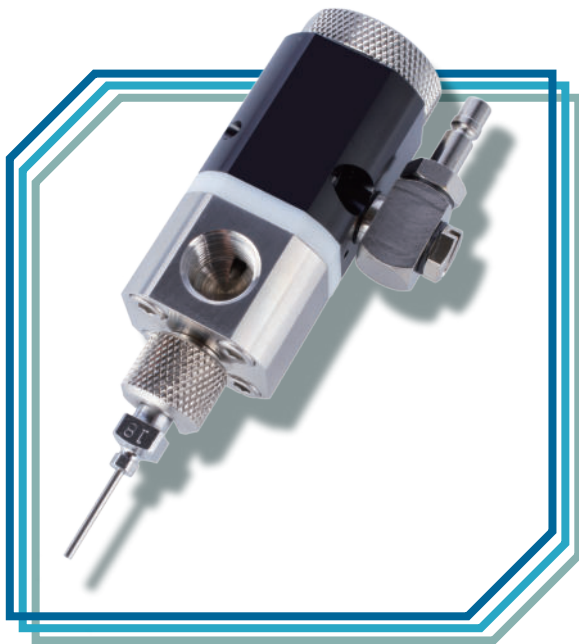
接液部有PTFE、SUS兩種材質提供選用。  
Two different materials depending on the wetted parts: PTFE and SUS.

接液部材質可針對各種材料吐出應用需求訂做。  
Customized wetted parts to choose from depending on the fluids and application.



鐵  
氟  
龍  
隔  
板  
閥

# ATV125K2-S



吐出量調節簡單。

Easy tuning shot size.

可廣泛應用於各種低黏度液體材料。

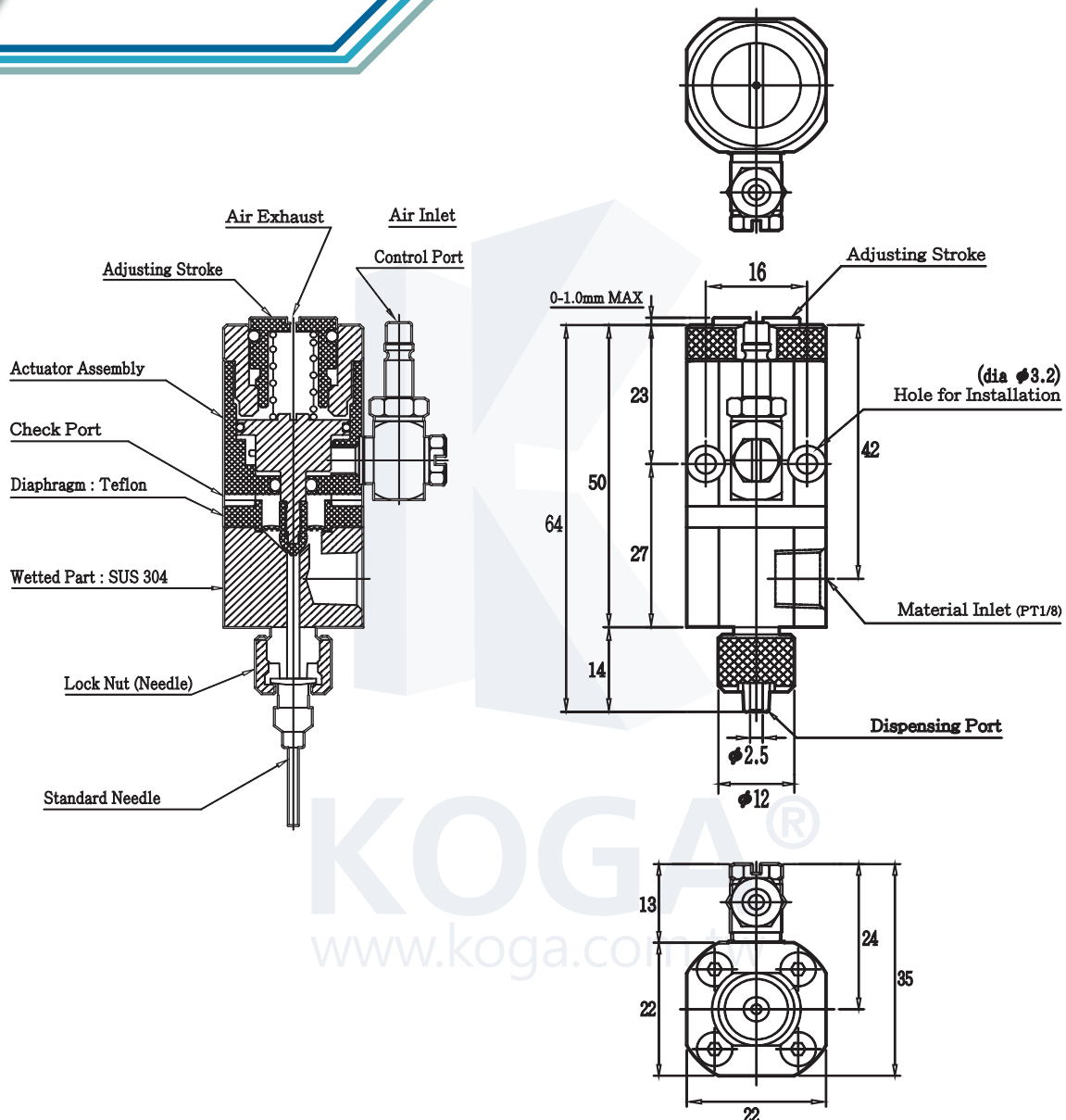
Design for the precision dispensing of low-viscosity fluids.

接液部有PTFE、SUS兩種材質提供選用。

Two different materials depending on the wetted parts: PTFE and SUS.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluids and application.



## 針頭閥 Needle Valve

針頭閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The Needle Valve utilizes the air pressure to open and close its diaphragm.

Applying above 0.35Mpa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器 (膠管、壓力桶等)；可調整材料壓力與閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container (syringe, cartridge, reservoir, etc.). Adjusting the pressure to the container, dispensing time and needle gauge.

適用於輕薄短小的自動化機械。

Ideal for compact automatic machines.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。  
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.
- 接液部有PTFE、SUS、POM三種材質提供選用。  
Three different materials depending on the wetted parts: PTFE, SUS and POM.
- 接液部材質可針對各種材料吐出應用需求訂做。  
Customized wetted parts to choose from depending on the fluid and application.

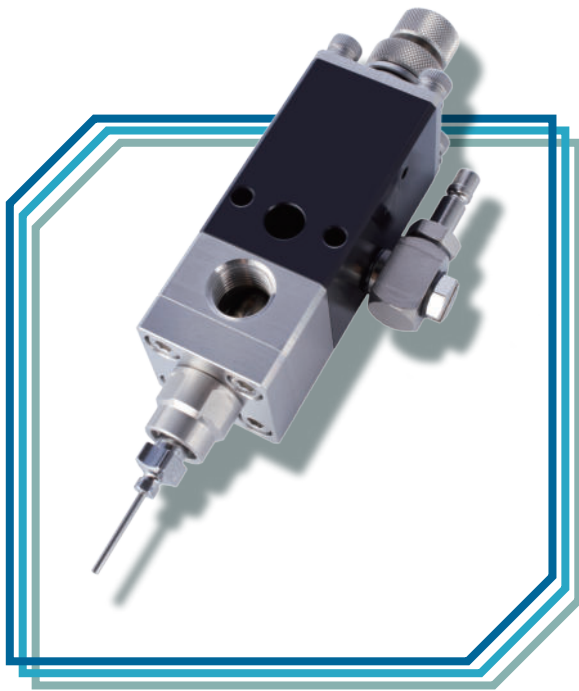
### 適用材料 Fluid Type

錫膏、環氧樹脂、UV膠、含填料材、厭氧性黏合劑。

Solder Pastes, Epoxies, UV Adhesives, Filling Materials, Anaerobic Adhesive

### 標準規格 Standard Specificationa

| 型號                                   | ANV502S-AK           | ANV801F-AK           | ANV801P-AK           |
|--------------------------------------|----------------------|----------------------|----------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 針頭閥                  |                      |                      |
| 最小吐出量(ml)<br>Min. Volume             | 0.01ml               |                      |                      |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min             |                      |                      |
| 適用黏度<br>Applicable Viscosity         | 1~500,000cps         |                      |                      |
| 接液部材質<br>Wetted Part Material        | SUS304               | PTFE(TEFL ON)        | POM                  |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 490 kPa         |                      |                      |
| 配管口徑<br>Port Size                    | PT1/8                |                      |                      |
| 作動速度<br>Operating Frequency          | 150 cycles/min       |                      |                      |
| 作動壓力<br>Operating Air Pressure       | 392~686 kPa          |                      |                      |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 88.4 mm | (□) 22 X (H) 91.4 mm | (□) 22 X (H) 90.4 mm |
| 重量(g)<br>Weight                      | 145                  | 120                  | 105                  |



## ANV502S-AK

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

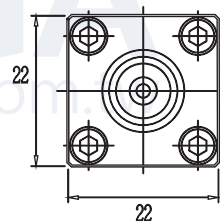
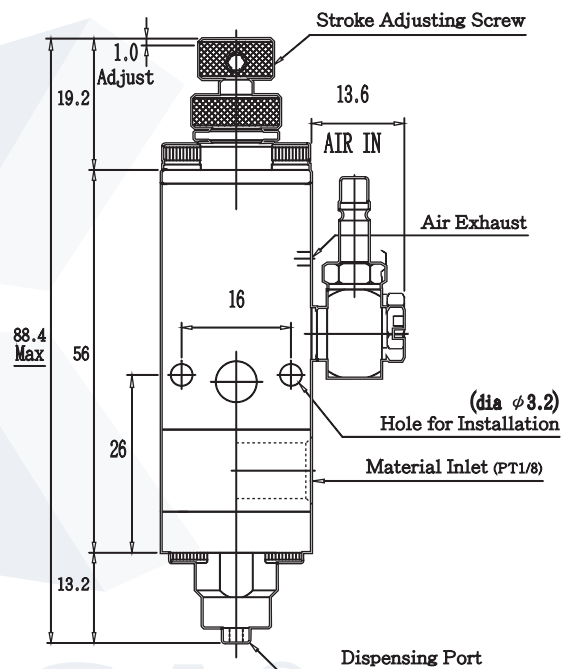
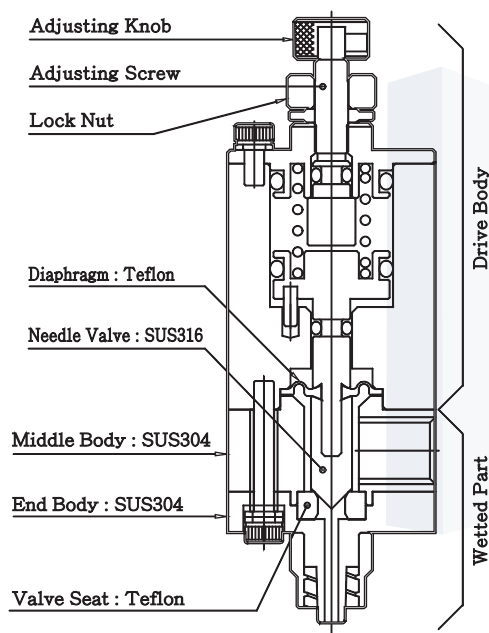
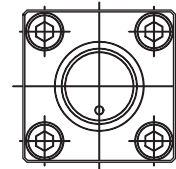
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

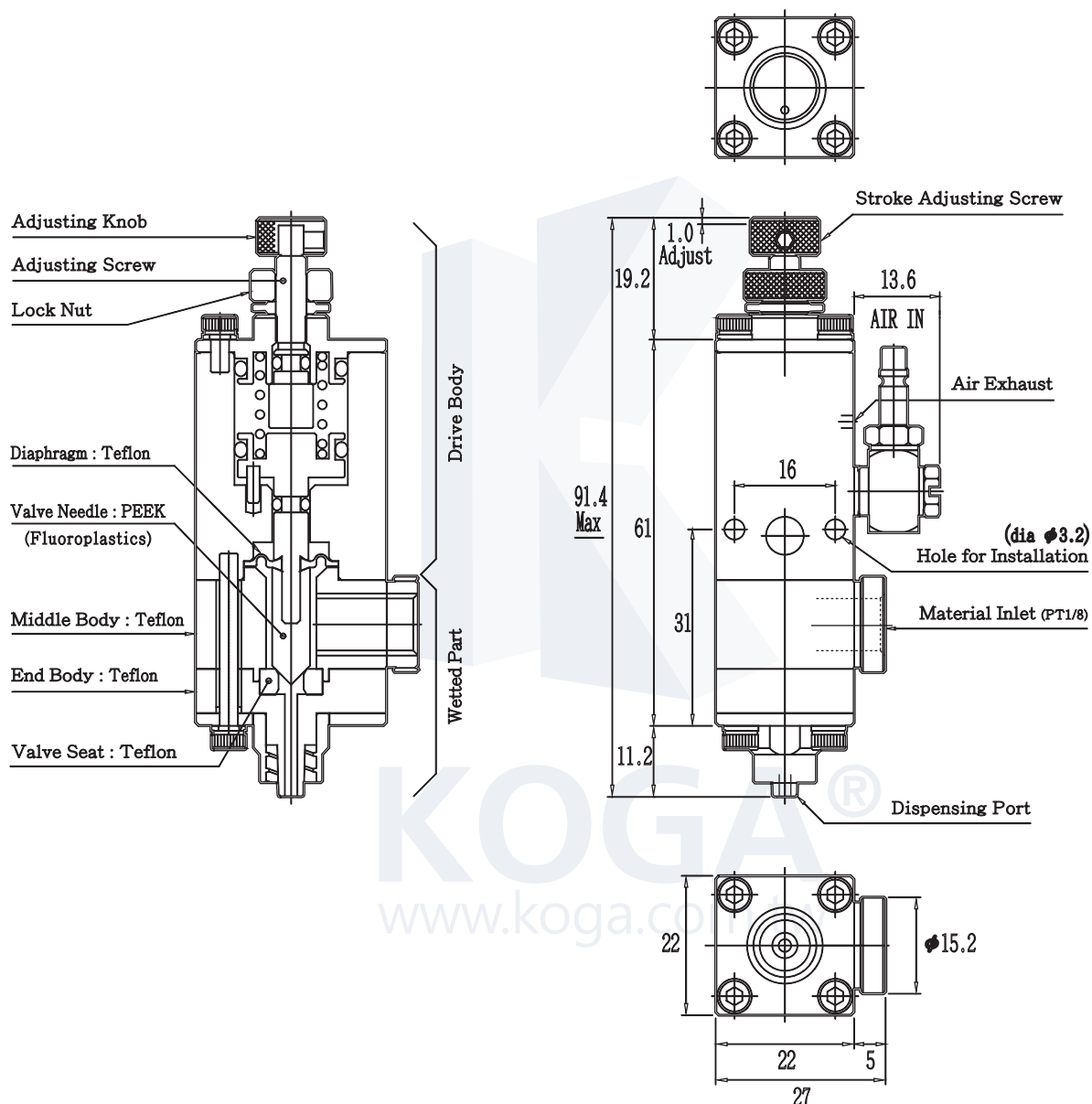
接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.





## ANV801F-AK

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

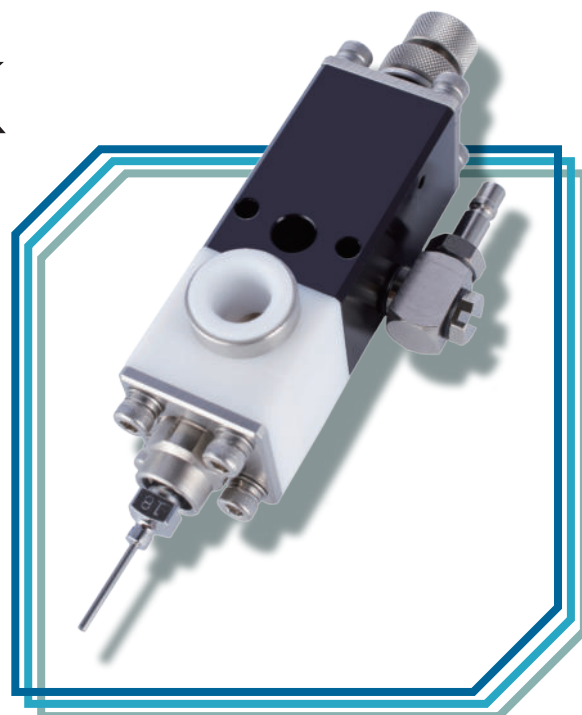
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.



針頭閥



## ANV801P-AK

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

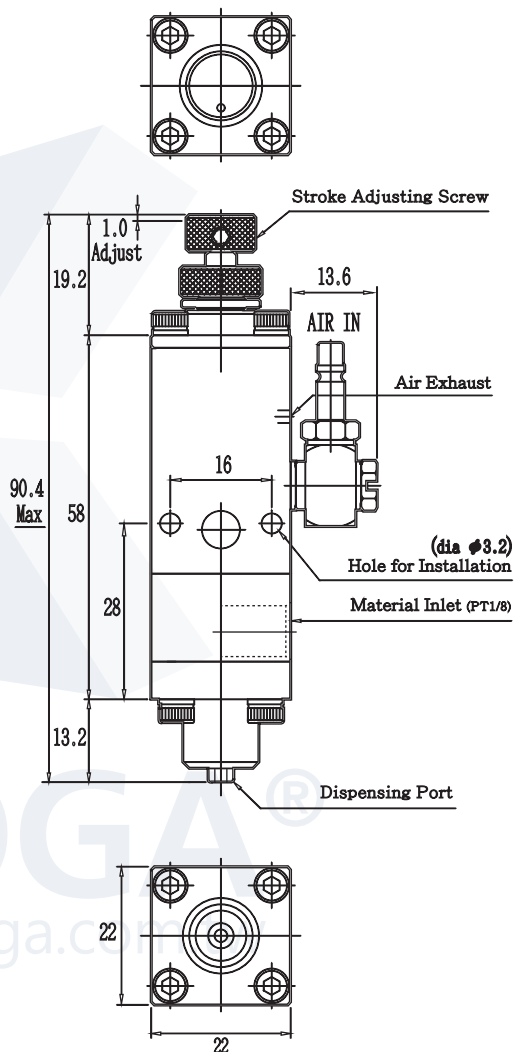
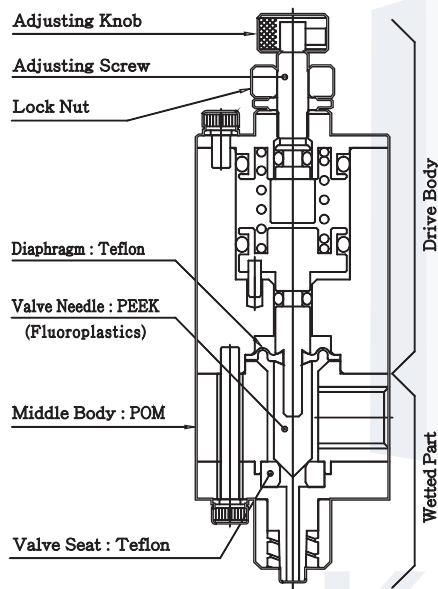
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.



## 提動閥 Poppet Valve

提動閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The Poppet Valve utilizes the air pressure to open and close its diaphragm.  
Applying above 0.35MPa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器（膠管、壓力桶等）；可調整壓力與閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.]. Adjusting the pressure to the container, dispensing time and needle gauge.

材料與空氣系統皆透過隔板完全分離。此外，採用提動閥還可有回吸效果。

The fluid and the air system are separated by the diaphragm. Otherwise the poppet valve has a siphoning function.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 採用獨特提動閥及隔板方式，可適用於橡膠系接著劑及要求不滴漏的吐出用途上。  
Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.
- 回吸機能搭載。  
Built-in siphoning function.
- 接液部有PTFE、SUS、POM三種材質提供選用。  
Three different materials depending on the wetted parts: SUS304, PTFE and POM.

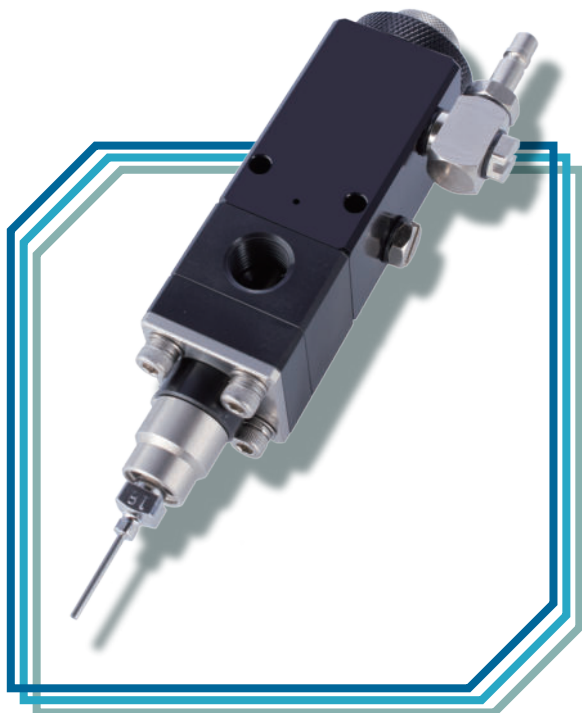
### 適用材料 Fluid Type

橡膠系接著劑、矽膠油、UV膠、環氧樹脂、光阻劑、墨水、潤滑油、RTV矽膠、電解液等中低黏度材料。

Chloroprene Rubber Adhesives, Silicone Oil, UV Adhesives, Epoxies, Photoresist, Ink, Grease, RTV Silicone, Electrolyte, etc. low and middle-viscosity materials.

### 標準規格 Standard Specification

| 型號 Model                             | APV602-P             | APV602-S             | APV602-F             |
|--------------------------------------|----------------------|----------------------|----------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 提動閥                  |                      |                      |
| 最小吐出量(ml)<br>Min. Volume             | 0.02ml               |                      |                      |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min             |                      |                      |
| 適用黏度<br>Applicable Viscosity         | 1~10,000cps          |                      |                      |
| 接液部材質<br>Wetted Part Material        | POM                  | SUS304               | PTFE(TEFLON)         |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 196 kPa         |                      |                      |
| 配管口徑<br>Port Size                    | PT1/8                |                      |                      |
| 作動速度<br>Operating Frequency          | 100 cycles/min       |                      |                      |
| 作動壓力<br>Operating Air Pressure       | 343~686 kPa          |                      |                      |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 86.5 mm | (□) 22 X (H) 85.5 mm | (□) 22 X (H) 86.5 mm |
| 重量(g)<br>Weight                      | 105                  | 150                  | 115                  |



## APV602-P

採用獨特提動閥及隔板方式，可適用於橡膠系接著劑及要求不滴漏的吐出用途上。

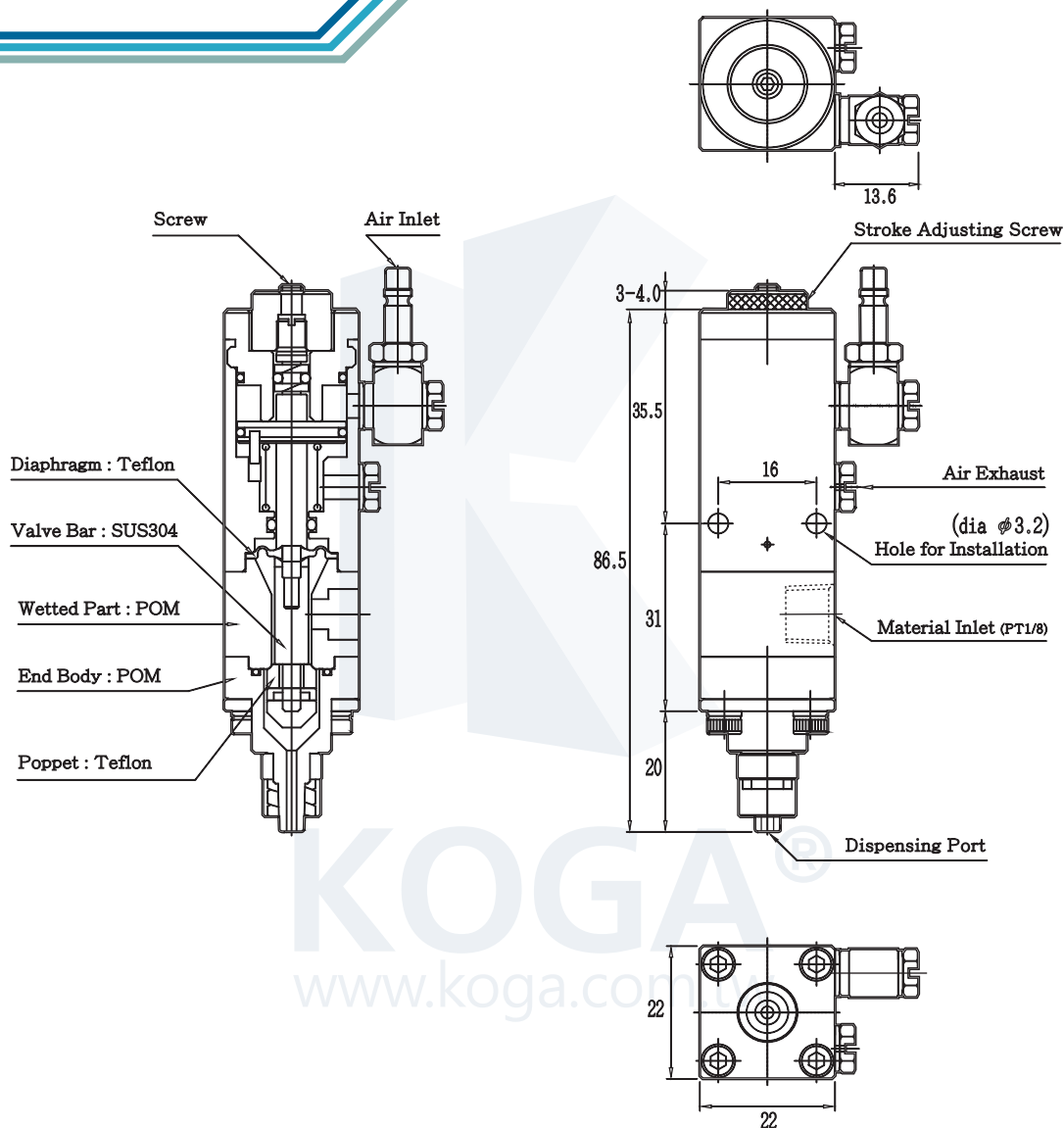
Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

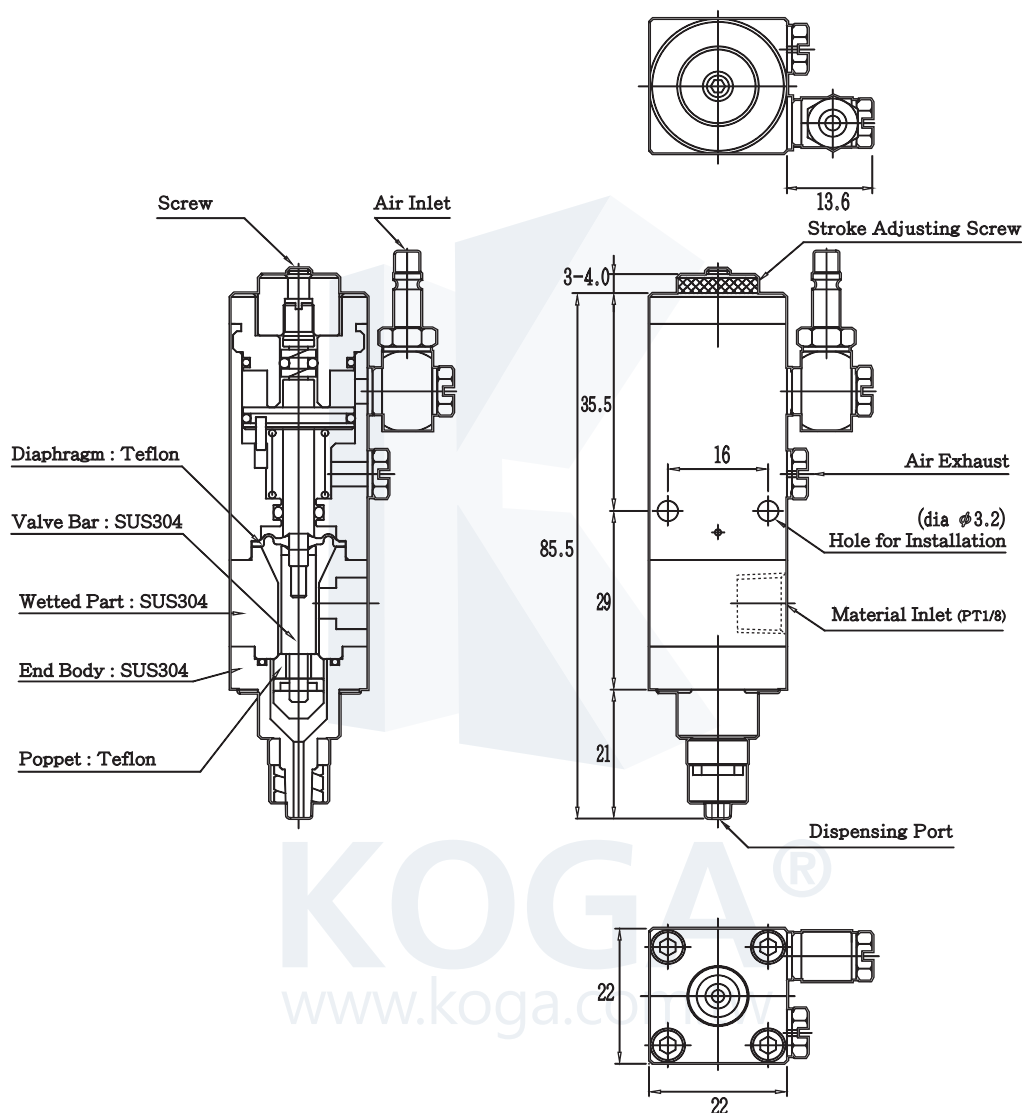
回吸機能搭載。

Built-in siphoning function.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: SUS304, PTFE and POM.



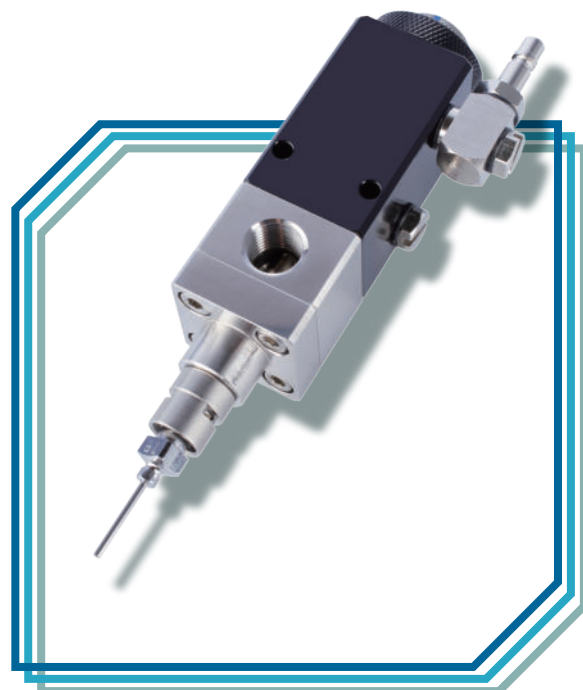


## APV602-S

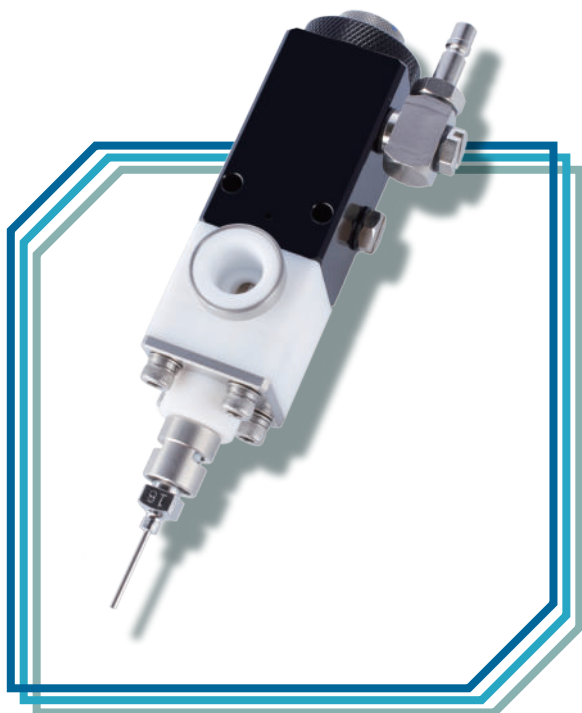
採用獨特提動閥及隔板方式，可適用於橡膠系接著劑及要求不滴漏的吐出用途上。  
Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

回吸機能搭載。  
Built-in siphoning function.

接液部有PTFE、SUS、POM三種材質提供選用。  
Three different materials depending on the wetted parts: SUS304, PTFE and POM.



提動閥



## APV602-F

採用獨特提動閥及隔板方式，可適用於橡膠系接著劑及要求不滴漏的吐出用途上。

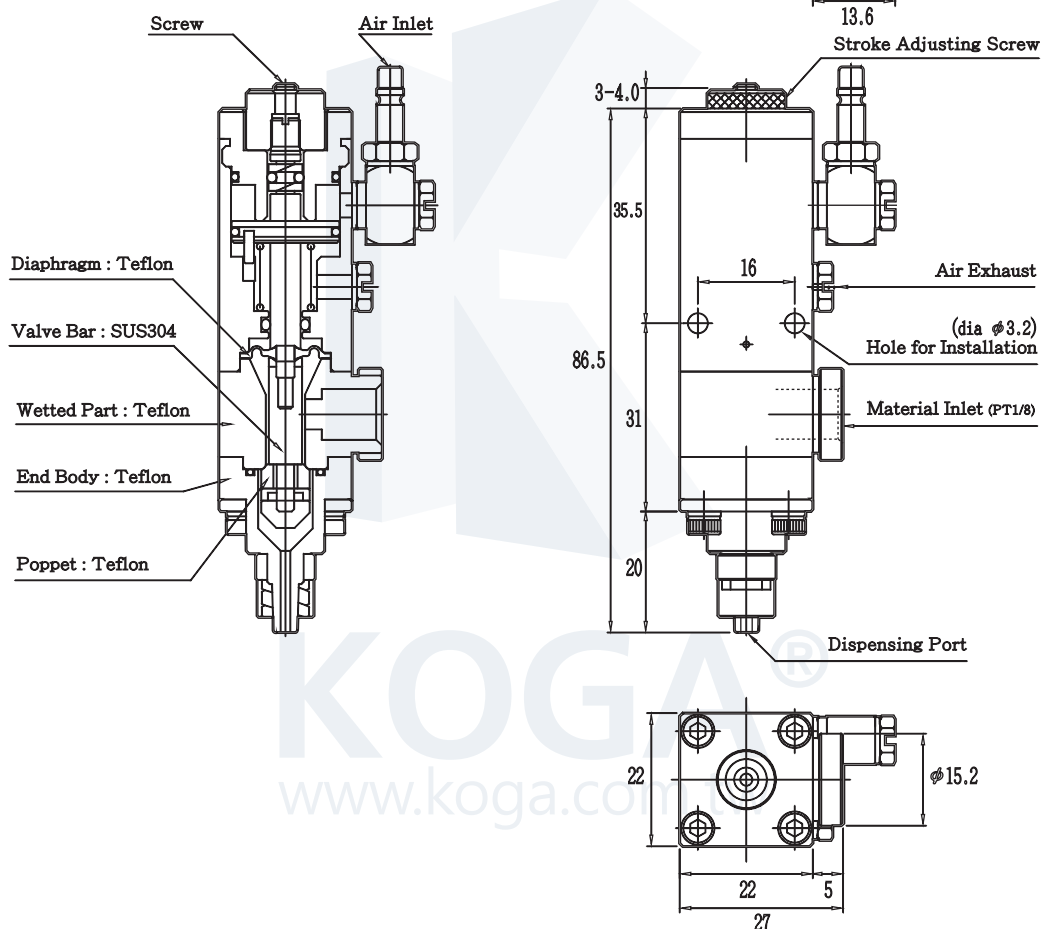
Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

回吸機能搭載。

Built-in siphoning function.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: SUS304, PTFE and POM.



## 微調型針頭閥 Fine-Tuned Needle Valve

微調型針頭閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa~0.69MPa的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The Fine-Tuned Needle Valve utilizes the air pressure to open and close its diaphragm.

Applying 0.35-0.69MPa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器 (膠管、壓力桶等)；除了調整材料壓力、閥的開放時間與針頭口徑外，閥體上更附上千分尺，可精確調控出膠流量，始可進行所需的各項作業。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.].

Apart from adjusting the pressure in the container, dispensing time and needle gauge, there is also a micrometer attached on the valve, which can precisely adjust the dispensing volume and meet all operational requirements.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 採用針頭閥及隔板構造，可適用於含填料的液體定量處出應用。  
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.
- 接液部有PTFE、SUS、POM三種材質提供選用。  
Three different materials depending on the wetted parts: PTFE, SUS and POM.
- 附加千分尺可劃調整，可針對微量調整進行控制。  
Features fine-tuned stroke adjustments for precision volume shots.

### 適用材料 Fluid Type

錫膏、環氧樹脂、UV膠、含填料材、厭氧性黏合劑。

Solder Pastes, Epoxies, UV Adhesives, Filling Materials, Anaerobic Adhesive

### 標準規格 Standard Specification

| 型號                                   | MFV502-S             | MFV801-F             | MFV801-P             |
|--------------------------------------|----------------------|----------------------|----------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 針頭閥                  |                      |                      |
| 最小吐出量(ml)<br>Min. Volume             | 0.01ml               |                      |                      |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min             |                      |                      |
| 適用黏度<br>Applicable Viscosity         | 1~50,000cps          |                      |                      |
| 接液部材質<br>Wetted Part Material        | SUS304               | PTFE(TEFLON)         | POM                  |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 196 kPa         |                      |                      |
| 配管口徑<br>Port Size                    | PT1/8                |                      |                      |
| 作動速度<br>Operating Frequency          | 150 cycles/min       |                      |                      |
| 作動壓力<br>Operating Air Pressure       | 392~686 kPa          |                      |                      |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 95.8 mm | (□) 22 X (H) 98.8 mm | (□) 22 X (H) 97.8 mm |
| 重量(g)<br>Weight                      | 155                  | 130                  | 120                  |

## MFV502-S

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

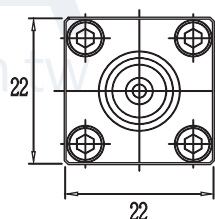
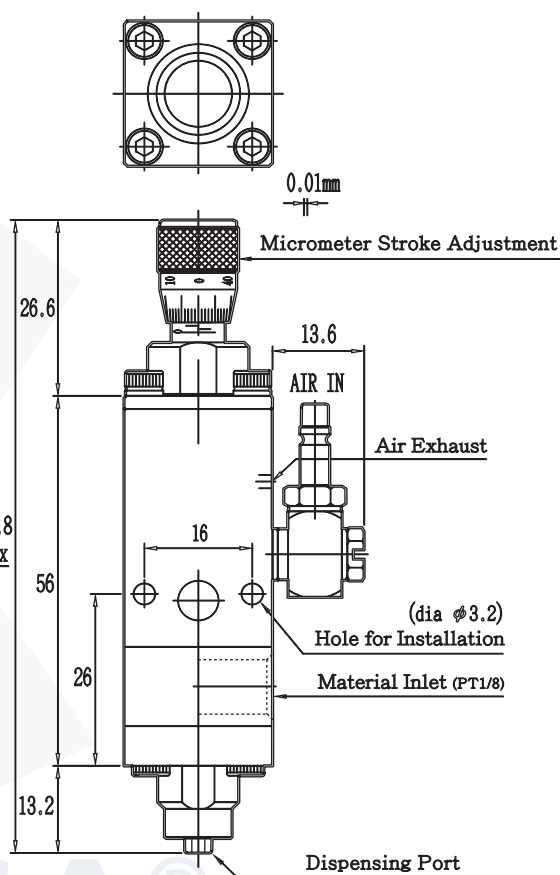
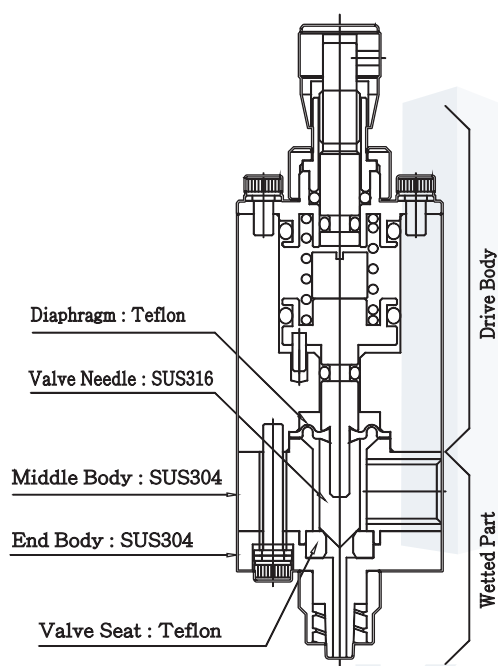
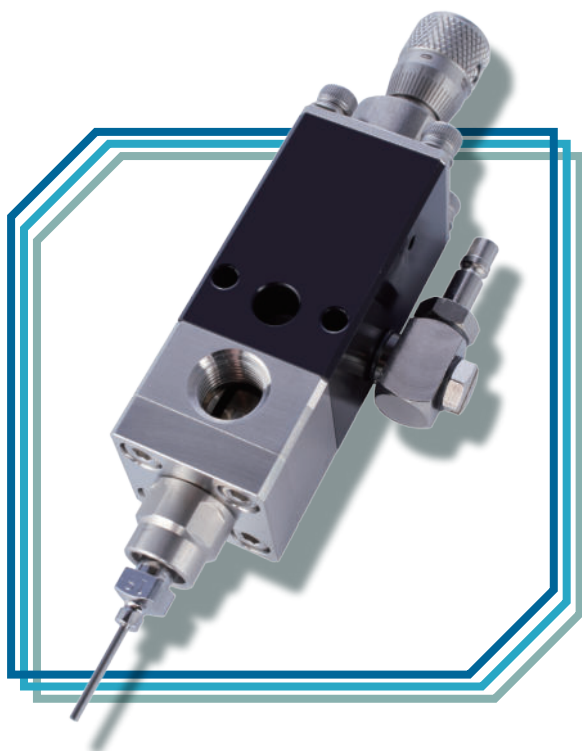
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

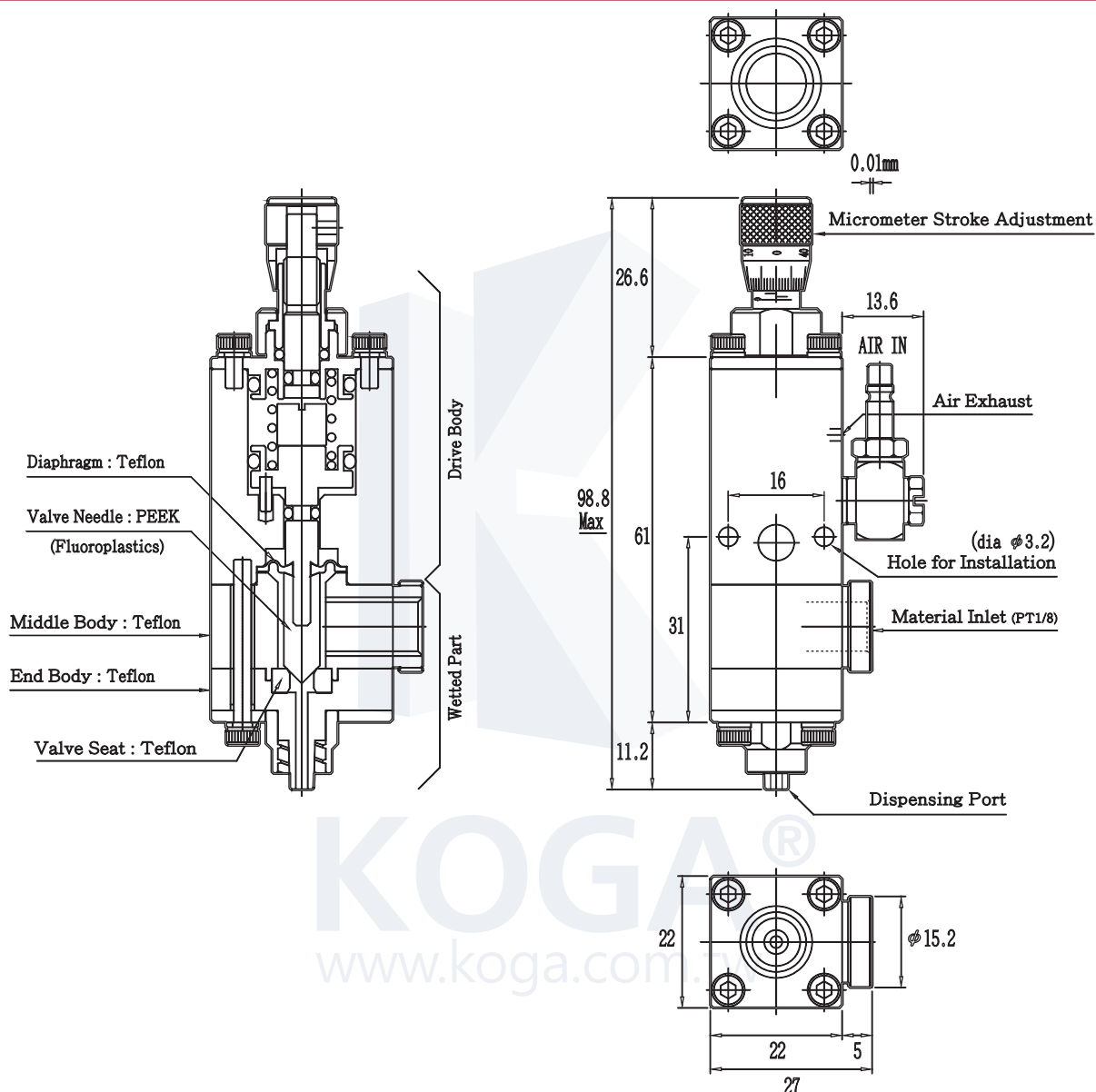
接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.





## MFV801-F

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

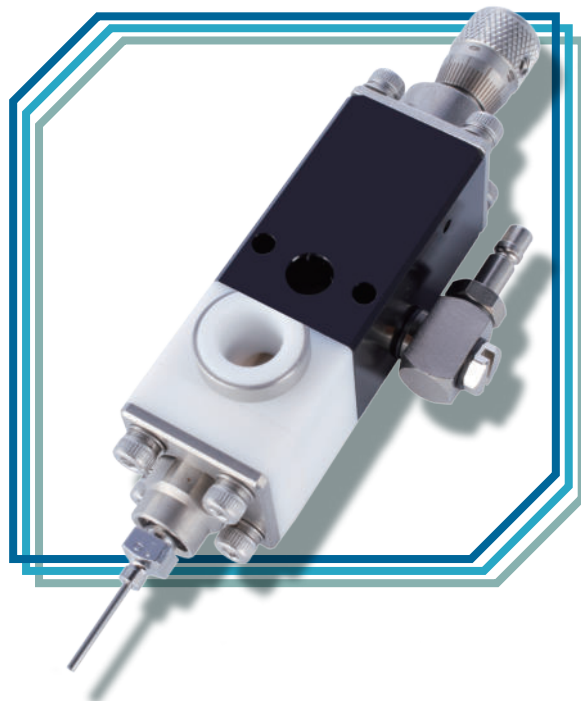
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.



微調型針頭閥

## MFV801-P

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

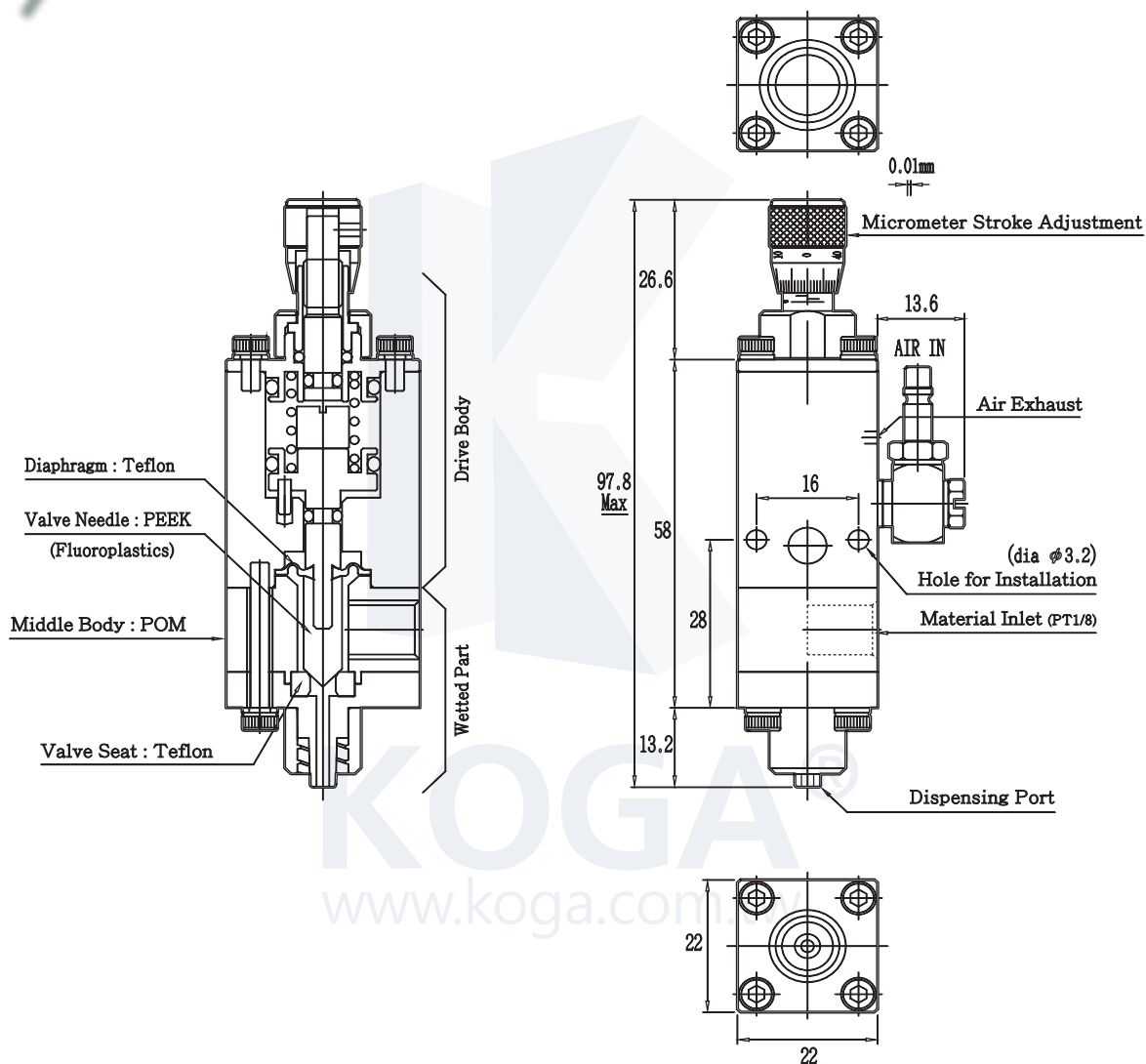
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.



## 瞬間膠專用閥 Cyanoacrylates Exclusive-Use Valve

瞬間膠專用閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The Cyanoacrylates Exclusive-Use Valve utilizes the air pressure to open and close its diaphragm. Applying above 0.35MPa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器 (膠管、壓力桶等)；除了調整材料壓力、閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.]. Adjusting the pressure to the container, dispensing time and needle gauge, to attain micro or large shots.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 採用針頭閥及隔板構造，可適用於含填料的液體定量處出應用。  
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.
- 接液部有PTFE材質部品，對於瞬間膠等材料有較佳的抗黏效果，為目前市場上唯一瞬間膠專用閥。  
PTFE wetted parts with adhesion resistance, ideal for cyanoacrylates. The only exclusive-use valve for cyanoacrylates on the current market!
- 附加千分尺可劃調整，可針對微量調整進行控制。  
Features fine-turned stroke adjustments for precision volume shots.

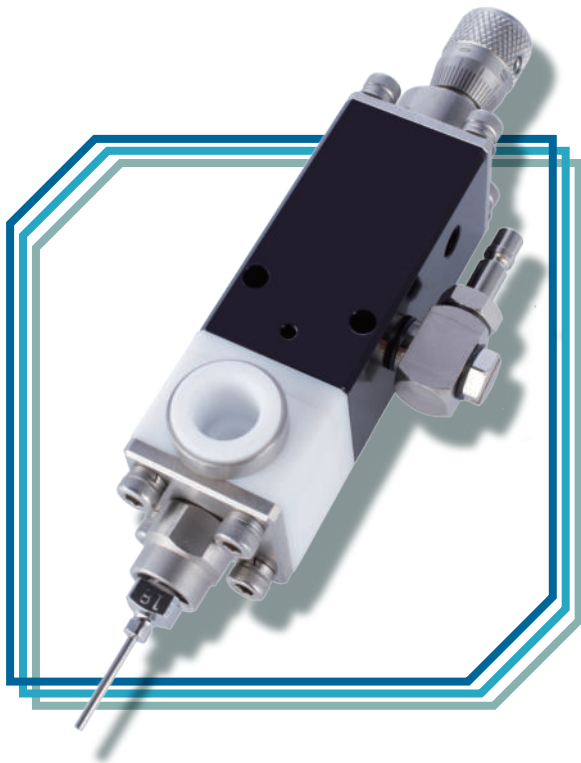
### 適用材料 Fluid Type

光阻劑、電解液、甲苯、化學藥品、食品添加劑、其他低黏度材料。

Photoresist, Electrolyte, Toluene, Chemicals, Food Additives, and other low-viscosity materials.

### 標準規格 Standard Specification

| 型號                                   | MQV202-F              |
|--------------------------------------|-----------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 針頭閥                   |
| 最小吐出量(ml)<br>Min. Volume             | 0.01ml                |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min              |
| 適用黏度<br>Applicable Viscosity         | 1~500,000cps          |
| 接液部材質<br>Wetted Part Material        | PTFE(TEFLON)          |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 490 kPa          |
| 配管口徑<br>Port Size                    | PT1/8                 |
| 作動速度<br>Operating Frequency          | 150 cycles/min        |
| 作動壓力<br>Operating Air Pressure       | 392~686 kPa           |
| 外型尺寸<br>Dimension                    | (口) 22 X (H) 103.8 mm |
| 重量(g)<br>Weight                      | 140                   |



# MQV202-F

採用針頭閥及隔板構造，可適用於含填料的液體定量處出應用。

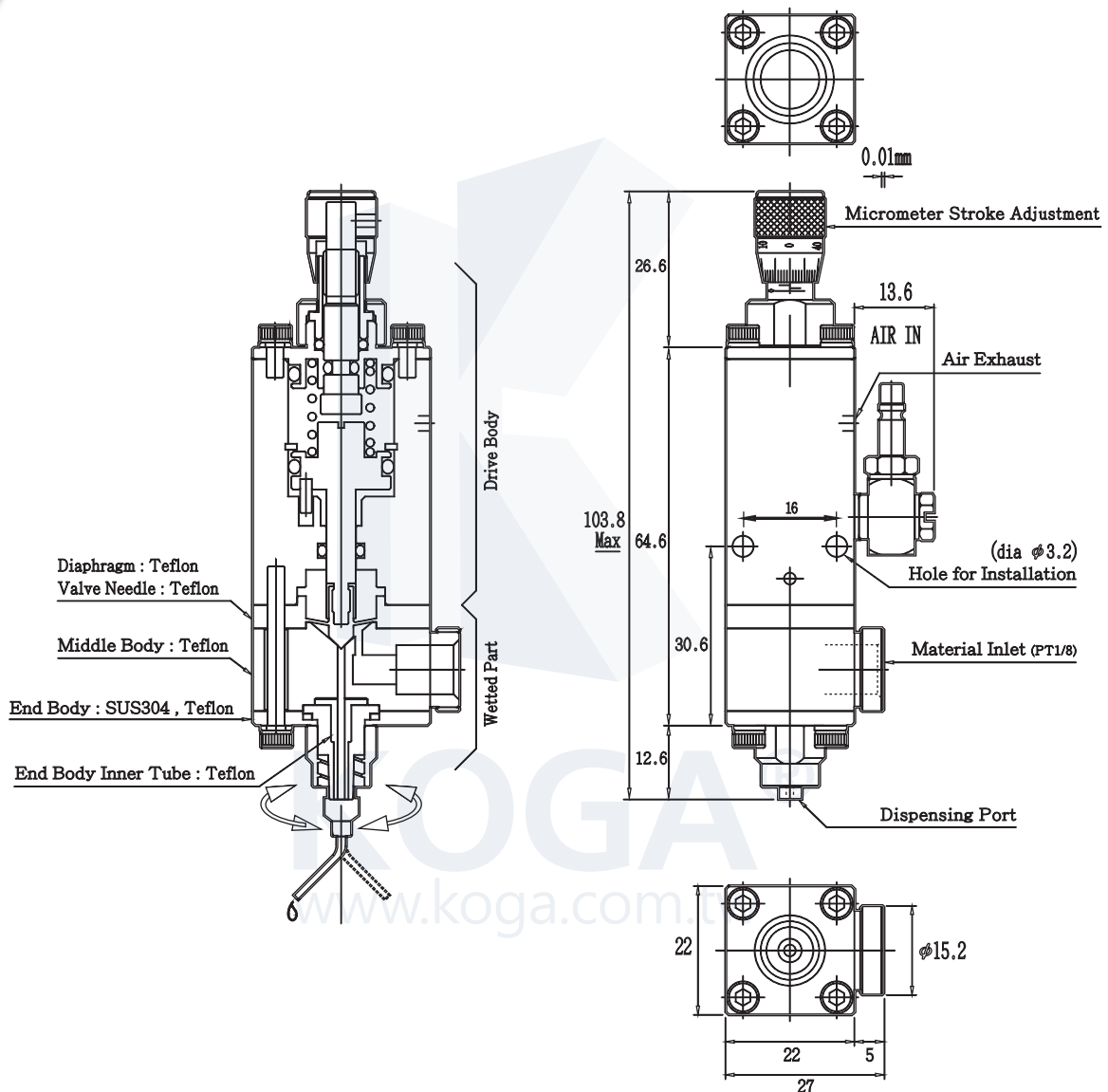
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE材質部品，對於瞬間膠等材料有較佳的抗黏效果，  
為目前市場上唯一瞬間膠專用閥。

PTFE wetted parts with adhesion resistance, ideal for cyanoacrylates.  
The only exclusive-use valve for cyanoacrylates on the current market!

附加千分尺可劃調整，可針對微量調整進行控制。

Features fine-turned stroke adjustments for precision volume shots.



# DVD-R專用閥 DVD-R Exclusive-Use Valve

DVD-R專用閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The DVD-R Exclusive-Use Valve utilizes the air pressure to open and close its diaphragm.  
Applying above 0.35Mpa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器 (膠管、壓力桶等)；除了調整材料壓力、閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.].  
Adjusting the pressure to the container, dispensing time and gauge to attain micro or large shots.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

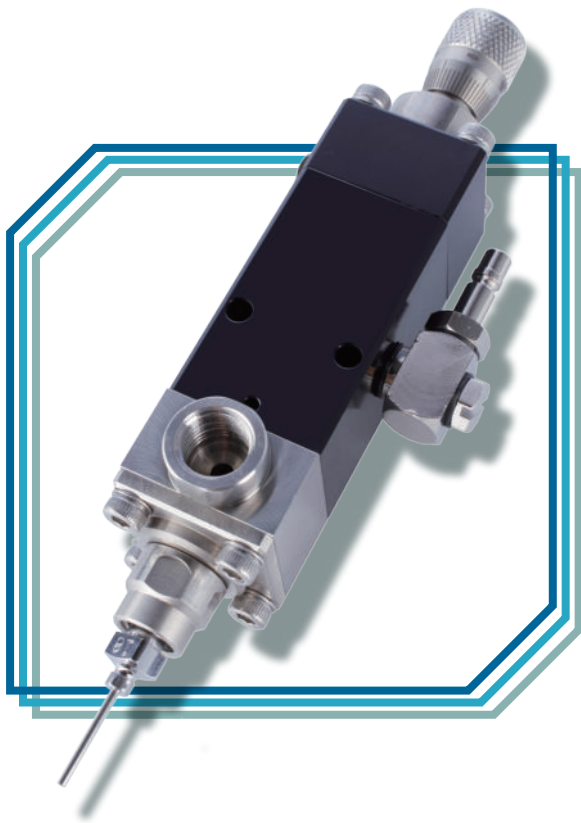
- 採用針頭閥及隔板構造，可適用於含填料的液體定量處出應用。  
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.
- 獨特的構造使得在液體表現優異，且氣泡混入現象減低。  
The valve structure has been specifically designed to prevent air bubbles and materials void from forming as well as improve the overall performance.
- 附加千分尺可劃調整，可針對微量調整進行控制。  
Features fine-tuned stroke adjustments for precision volume shots.

### 適用材料 Fluid Type

錫膏、環氧樹脂、UV膠、含填料材、厭氧性黏合劑，DVD產業最適合。  
Solder Pastes, Epoxies, UV Adhesives, Filling Materials, Anaerobic Adhesives.

### 標準規格 Standard Specification

| 型號                                   | MDV15-S               |
|--------------------------------------|-----------------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 針頭閥                   |
| 最小吐出量(ml)<br>Min. Volume             | 0.01ml                |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min              |
| 適用黏度<br>Applicable Viscosity         | 1~50,000cps           |
| 接液部材質<br>Wetted Part Material        | SUS304                |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 490 kPa          |
| 配管口徑<br>Port Size                    | PT1/8                 |
| 作動速度<br>Operating Frequency          | 150 cycles/min        |
| 作動壓力<br>Operating Air Pressure       | 392~686 kPa           |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 108.4 mm |
| 重量(g)<br>Weight                      | 170                   |



## MDV15-S

採用針頭閥及隔板構造，可適用於含填料的液體定量吐出應用。

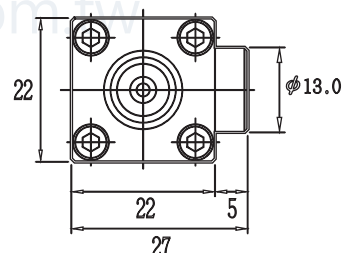
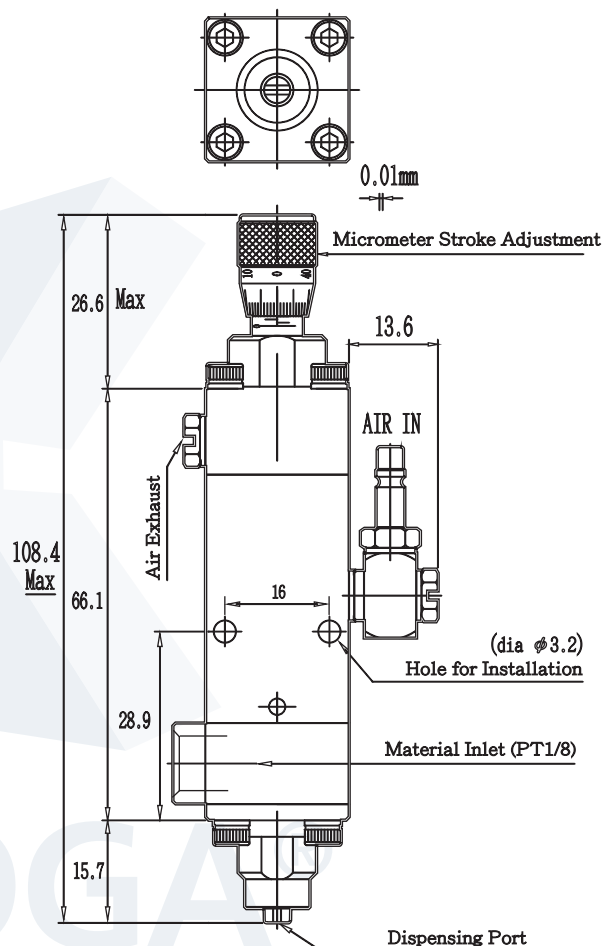
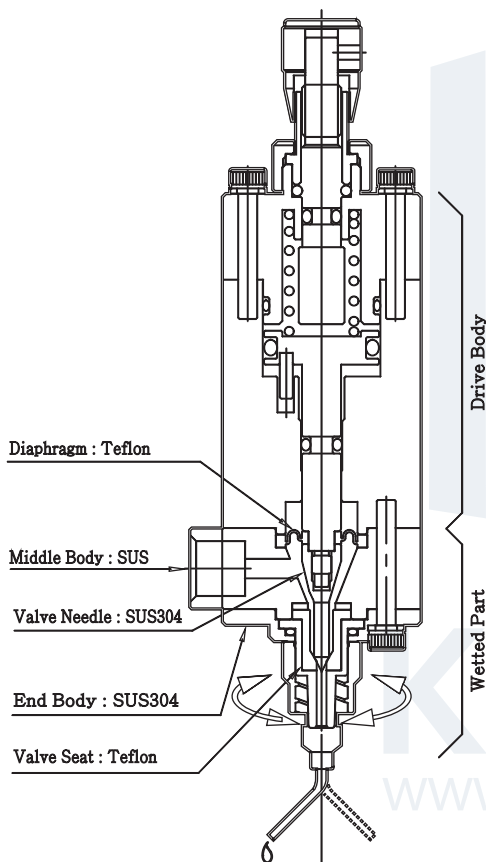
Designed with the needle valve and diaphragm structure, built for any constant application or volume of potting fluid.

接液部有PTFE、SUS、POM三種材質提供選用。

Three different materials depending on the wetted parts: PTFE, SUS and POM.

接液部材質可針對各種材料吐出應用需求訂做。

Customized wetted parts to choose from depending on the fluid and application.



## 微調型提動閥 Fine-Tuned Poppet Valve

微調型提動閥為利用空氣壓力作動來進行開閉作業，使用0.35MPa以上的空氣壓力就可開啟閥，並可透過內藏彈簧關閉閥。

The fine-Tuned Poppet Valve utilizes the air pressure to open and close its diaphragm.  
Applying above 0.35MPa of air pressure when operating to open the valve, and close through the built-in spring.

適用於各式點膠控制器與壓送容器 (膠管、壓力桶等)；除了調整材料壓力、閥的開放時間與針頭口徑，達到微量、大流量吐出效果。

Applicable to any type of dispensing controller and container [syringe, cartridge, reservoir, etc.].  
Adjusting the pressure to container, dispensing and needle gauge, to attain micro or large shots.

材料與空氣系統皆透過隔板完全隔離。此外，採用微調型提動閥還可有回吸效果。

The fluid and the air system are separated by the diaphragm .Otherwise the popprt valve has a siphoning function.

## 氣壓式精密點膠閥 Pneumatically-Operated Type Precision Dispensing Valve

### 特徵 Features

- 採用獨特提動閥及隔板方式，適用於橡膠系接著劑及要求不滴漏的吐出用途上。  
Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.
- 回吸機能搭載。  
Built-in siphoning function.
- 接液部有SUS304、PTFE、POM三種材質提供選用。  
Three different materials depending on the wetted parts: SUS304, PTFE and POM.
- 附加千分尺可劃調整，可針對微量調整進行控制。  
Features fine-tuned stroke adjustments for precision volume shots.

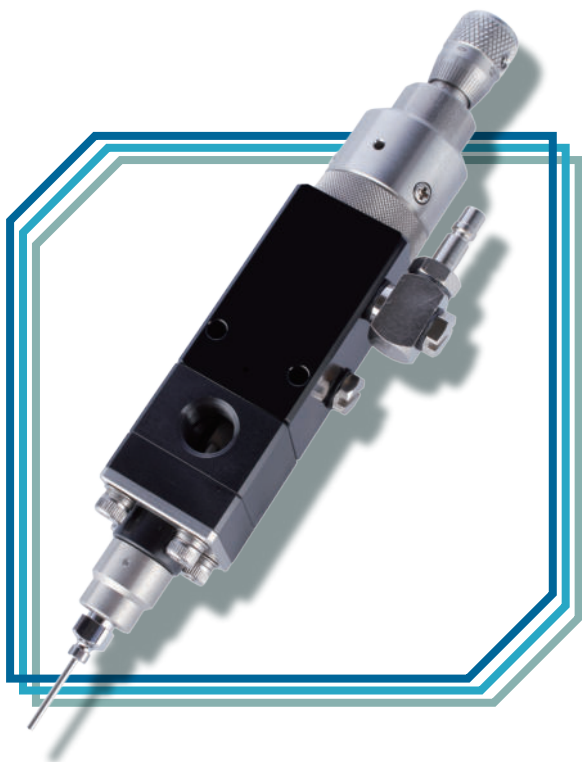
### 適用材料 Fluid Type

橡膠系接著劑、矽膠油、UV膠、環氧樹脂、光阻劑、墨水、潤滑油、RTV矽膠、電解液等中低黏度材料。

Chloroprene Rubber Adhesives, Silicone Oil, UV Adhesives, Epoxies, Photoresist, Ink, Grease, RTV Silicone, Electrolyte, etc. low and middle-viscosity materials.

### 標準規格 Standard Specificationa

| 型號                                   | MFV602-P              | MFV602-S | MFV602-F     |
|--------------------------------------|-----------------------|----------|--------------|
| 點膠閥構造<br>Dispensing Valve Structure  | 提動閥                   |          |              |
| 最小吐出量(ml)<br>Min. Volume             | 0.02ml                |          |              |
| 流量(KV值)<br>Flow Rate Max.            | 1.5L/min              |          |              |
| 適用黏度<br>Applicable Viscosity         | 1~10,000cps           |          |              |
| 接液部材質<br>Wetted Part Material        | POM                   | SUS304   | PTFE(TEFLON) |
| 材料壓送壓力<br>Material Delivery Pressure | Max. 196 kPa          |          |              |
| 配管口徑<br>Port Size                    | PT1/8                 |          |              |
| 作動速度<br>Operating Frequency          | 100 cycles/min        |          |              |
| 作動壓力<br>Operating Air Pressure       | 343~686 kPa           |          |              |
| 外型尺寸<br>Dimension                    | (□) 22 X (H) 103.8 mm |          |              |
| 重量(g)<br>Weight                      | 180                   | 224      | 190          |



## MFV602-P

採用獨特提動閥及隔板方式，適用於橡膠系接著劑及要求不滴漏的吐出用途上。

Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

回吸機能搭載。

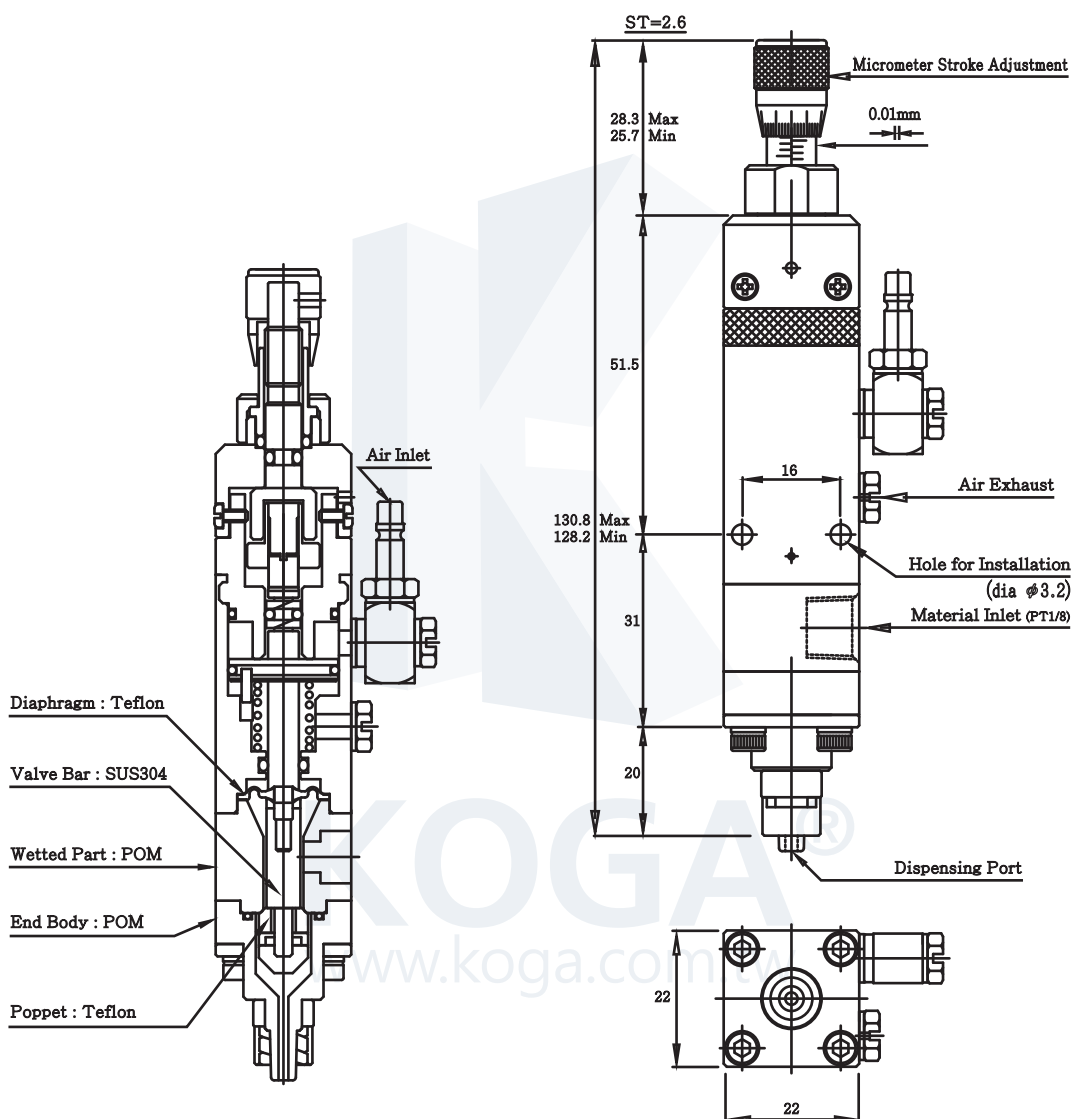
Built-in siphoning function.

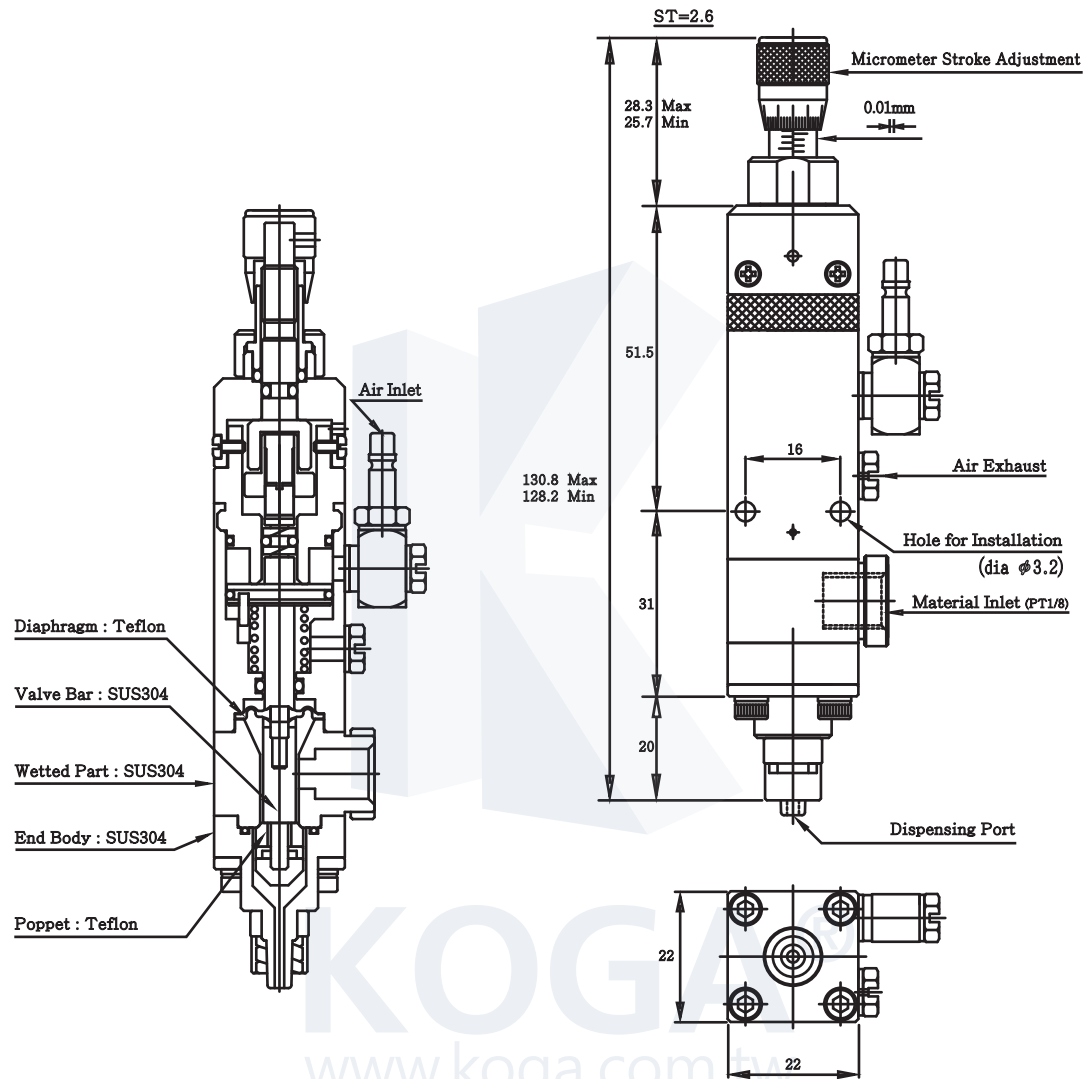
接液部有SUS304、PTFE、POM三種材質提供選用。

Three different materials depending on the wetted parts: SUS304, PTFE and POM.

附加千分尺可劃調整，可針對微量調整進行控制。

Features fine-tuned stroke adjustments for precision volume shots.





## MFV602-S

採用獨特提動閥及隔板方式，適用於橡膠系接著劑及要求不滴漏的吐出用途上。

Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

回吸機能搭載。

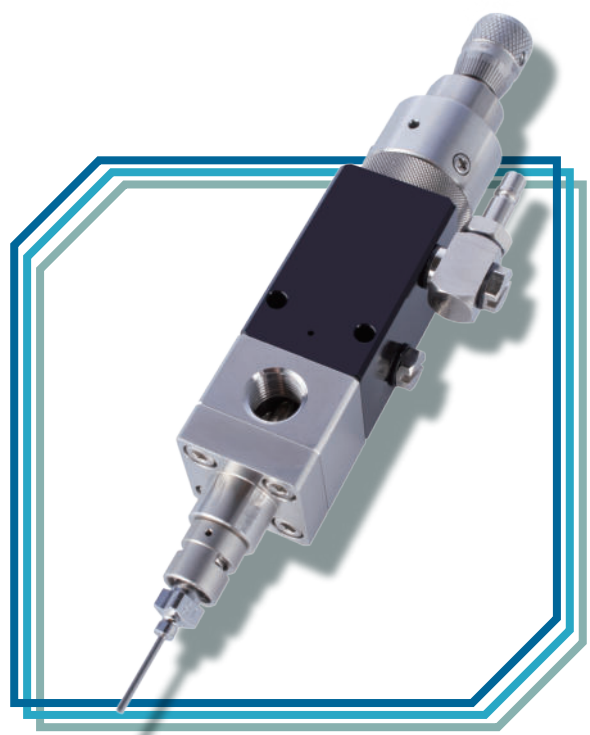
Built-in siphoning function.

接液部有SUS304、PTFE、POM三種材質提供選用。

Three different materials depending on the wetted parts: SUS304, PTFE and POM.

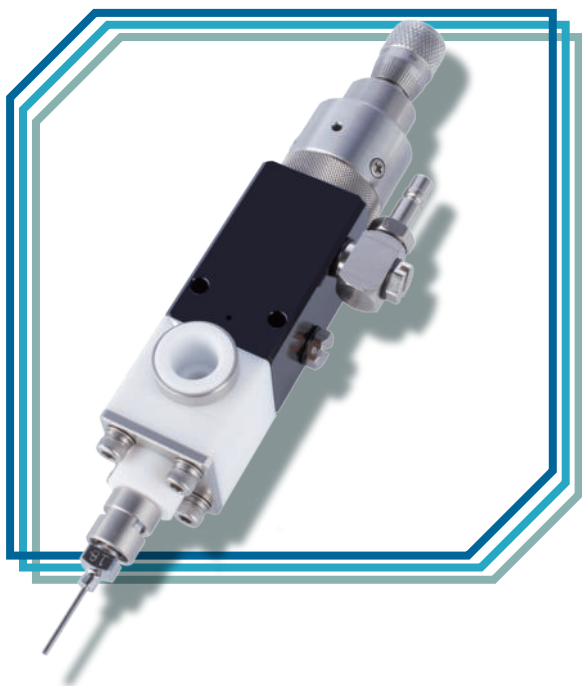
附加千分尺可劃調整，可針對微量調整進行控制。

Features fine-tuned stroke adjustments for precision volume shots.



微調型提動閥

# MFV602-F



採用獨特提動閥及隔板方式，適用於橡膠系接著劑及要求不滴漏的吐出用途上。

Adopting unique poppet valve and diaphragm mechanisms, built for chloroprene rubber adhesives to help eliminate splatter.

回吸機能搭載。

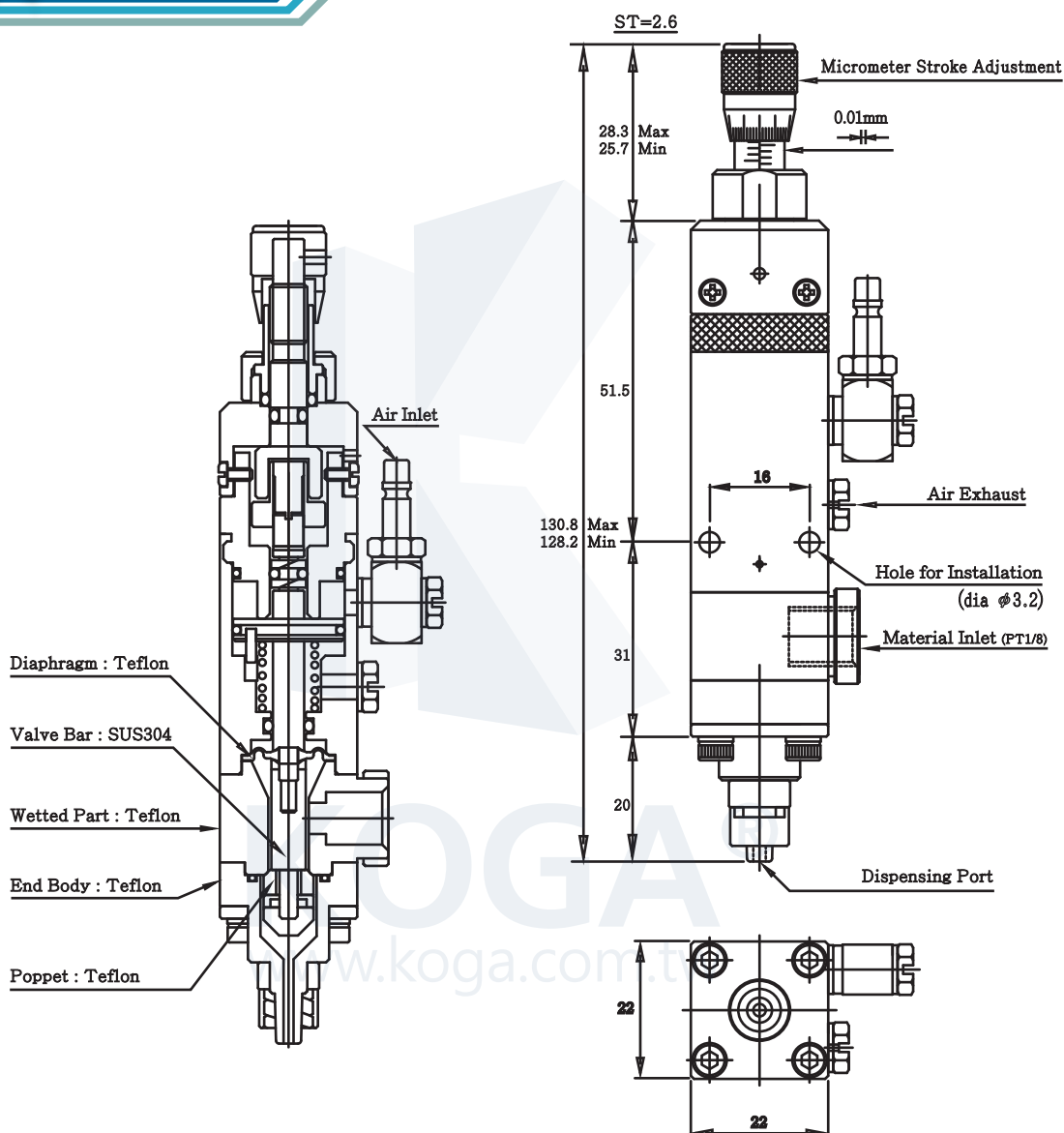
Built-in siphoning function.

接液部有SUS304、PTFE、POM三種材質提供選用。

Three different materials depending on the wetted parts: SUS304, PTFE and POM.

附加千分尺可劃調整，可針對微量調整進行控制。

Features fine-tuned stroke adjustments for precision volume shots.



## 膠筒轉接頭 Cartridge Adapters

| 產品<br>No. | 型號<br>Model | 尺寸(mm)<br>Dimension           |
|-----------|-------------|-------------------------------|
| 1         | LC-H2-SW    | For $\Phi 2 \times 4$ mm tube |
| 2         | LC-H4-S     | For $\Phi 4 \times 6$ mm tube |
| 3         | LC-H1-S     | Elbow . PT1/8                 |



用來連結膠統治管路或膠閥的轉接頭  
Used for connecting the cartridge with the tube or the valve.

有SUS304、PTFE兩種材質提供選用  
Two different materials for the cartridge adapter: SUS304 and PTFE.

## TEFLON管 Teflon Tube

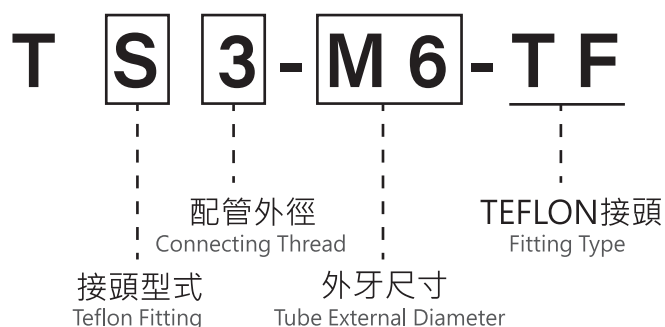


材料的傳輸管，應用特殊液體的定量塗佈系統。

Transfer tube for materials, applies to specific dispensing systems.

| 型號<br>Model | 尺寸(mm) Dimension      |                        |
|-------------|-----------------------|------------------------|
|             | 內徑<br>Inside Diameter | 外徑<br>Outside Diameter |
| PFA 3x1     | 1.0                   | 3.0                    |
| PFA 3x2     | 2.0                   | 3.0                    |
| PFA 6x4     | 4.0                   | 6.0                    |
| PFA 8x6     | 6.0                   | 8.0                    |
| PFA 10x8    | 8.0                   | 10.0                   |

## TEFLON接頭 Teflon Fitting



| TEFLON接頭 Teflon Fitting |                  |
|-------------------------|------------------|
| 直型<br>Straight Type     | L型<br>Elbow Type |
| TS3-M6-TF               | TL3-01-TF        |
| TS3-M6-TF-W-AV120       |                  |
| TS3-01-TF               | TL4-01-TF        |
| TS4-M6-TF               | TL4-02-TF        |
| TS4-01-TF               |                  |
| TS4-02-TF               | TL6-01-TF        |
| TS6-M6-TF               |                  |
| TS6-M6-TF-W-AV120       | TL6-02-TF        |
| TS6-01-TF               |                  |
| TS6-02-TF               | TL8-01-TF        |
| TS8-01-TF               |                  |
| TS8-02-TF               | TL8-02-TF        |

TS-M6-TF



TS-TF



TL-TF



NUT



| 型號<br>Model       | NUT-3                | NUT-4                | NUT-6                | NUT-8                |
|-------------------|----------------------|----------------------|----------------------|----------------------|
| 適用管徑<br>Tube Size | $\Phi 2 \times 3$ mm | $\Phi 2 \times 4$ mm | $\Phi 4 \times 6$ mm | $\Phi 6 \times 8$ mm |

## 膠筒連接套管組件 Barrel Adapter Assemblies

連接套管組件用於控制及供應空壓源之使用，需視點膠控制單元及膠筒廠牌、容量，共有十八總形式可供選用；組件上的密封環屬消耗品，需定期更換以確保密封效果。

Gentle barrel adapter assemblies provide a convenient quick connection to the controller from the syringe barrel, depending on the syringe brand or size: up to 18 different types for you to choose from. The fitted o-ring is part of the consumables: it is advised to change this regularly to ensure the sealing effect maintains efficiency.

特殊規格品請洽可嘉業務。

Please contact KOGA for conditions.

### I.E.I(Lwashita)系列

| 型號<br>Model | 尺寸(mm)<br>Dimension | 販售單位<br>Sales Unit                                |
|-------------|---------------------|---------------------------------------------------|
| AA05N       | 5 ml                | 日式(金屬)快插式自動接頭<br>Japanese Type (Metal) Auto Joint |
| AA10N       | 10 ml               |                                                   |
| AA30N       | 30、50 ml            |                                                   |
| AA05N-EF    | 5 ml                | 美式(塑鋼)快插式自動接頭<br>American Type (Metal) Auto Joint |
| AA10N-EF    | 10 ml               |                                                   |
| AA30N-EF    | 30、50 ml            |                                                   |

### EFD系列

| 型號<br>Model | 尺寸(mm)<br>Dimension | 販售單位<br>Sales Unit                                |
|-------------|---------------------|---------------------------------------------------|
| EF-05-AA    | 5 ml                | 日式(金屬)快插式自動接頭<br>Japanese Type (Metal) Auto Joint |
| EF-10-AA    | 10 ml               |                                                   |
| EF-3050-AA  | 30、50 ml            |                                                   |
| EF-05       | 5 ml                | 美式(塑鋼)快插式自動接頭<br>American Type (Metal) Auto Joint |
| EF-10       | 10 ml               |                                                   |
| EF-3050     | 30、50 ml            |                                                   |

### MUSASHI系列

| 型號<br>Model | 尺寸(mm)<br>Dimension | 販售單位<br>Sales Unit                                |
|-------------|---------------------|---------------------------------------------------|
| MA05E       | 5 ml                | 日式(金屬)快插式自動接頭<br>Japanese Type (Metal) Auto Joint |
| MA10E       | 10 ml               |                                                   |
| MA3050E     | 30、50 ml            |                                                   |
| MA05E-EF    | 5 ml                | 美式(塑鋼)快插式自動接頭<br>American Type (Metal) Auto Joint |
| MA10E-EF    | 10 ml               |                                                   |
| MA3050E-EF  | 30、50 ml            |                                                   |

## 氣源連接管件 Air Connection Tube

將氣壓供應到膠筒或點膠閥迴路間的軟管連接組件，兩端附有快插式自動接頭。

Supplying pressurized air to a cartridge or connecting tube part between dispensing systems: quick couplings attached on both sides.

| 產品<br>No. | 型號<br>Model | 尺寸(mm)<br>Dimension                 | 販售單位<br>Sales Unit |
|-----------|-------------|-------------------------------------|--------------------|
| 1         | CT01        | 點膠閥系統<br>For VAVLE System           | 1m                 |
|           | CT05        | 膠筒系統<br>For CARTRIDGE System        | 1m                 |
| 2         | PF-T2       | Female Bulkhead PT 1/4              | 1PC                |
| 3         | PH-H3       | For $\Phi 4.0 \times \Phi 2.5$ tube | 1PC                |
| 4         | PH-H4       | For $\Phi 6.0 \times \Phi 4.0$ tube | 1PC                |



## 針頭轉接座 Needle Adapter

| 產品<br>No. | 型號<br>Model | 尺寸(mm)<br>Dimension                         |
|-----------|-------------|---------------------------------------------|
| 1         | NA-M6-TF    | AV120系列<br>AV120 Valve Series               |
| 2         | NA-1/4-28   | 美規點膠閥系列<br>American Dispensing Valve Series |
| 3         | V120-M6-TF  | AV120系列<br>AV120 Valve Series               |
| 4         | V120-M6-S   | AV120系列<br>AV120 Valve Series               |



## 針轉接座 Needle Adapter

| 產品<br>No. | 型號<br>Model   | 尺寸(mm)<br>Dimension                 |
|-----------|---------------|-------------------------------------|
| 1         | NA-H2-S       | For $\Phi 2.2 \times \Phi 3.2$ tube |
| 2         | NA-HS-SW      |                                     |
| 3         | NA-3.2-SW-12L |                                     |
| 4         | LC-H2-S       |                                     |
| 5         | LC-HS-SW      |                                     |



# KOGA®

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