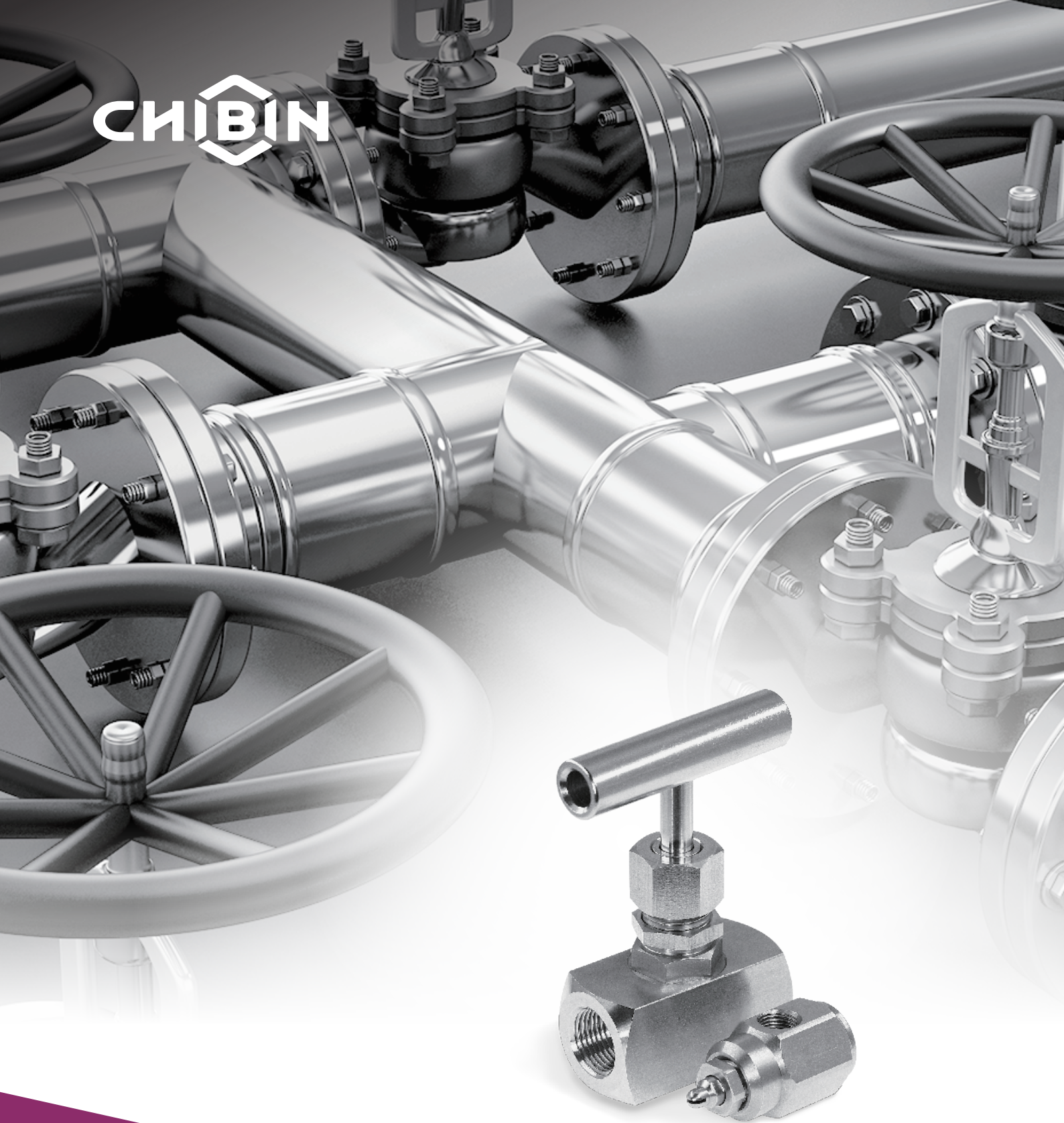




CHIBIN



閥類 .Y 型過濾器 . 噴嘴  
Valves . Y Strainer . Nozzles

ASR  
American Systems  
REGISTRAR  
ISO9001:2015

ANAB  
ACCREDITED  
ISO/IEC 17025  
FORENSIC TESTING  
LABORATORY

**您的安全，奇賓接管**  
**YOUR SAFETY, CHIBIN TAKES CARE OF**

## 公司簡介

Company Profile

奇賓機械有限公司創立於西元 1980 年，為台灣首家專業以『不鏽鋼接頭為主要產品』的優質製造商。

奇賓於創立初期即因品質優良受選為台塑集團指定不鏽鋼接頭主要供應商，迄今本公司仍持續提供台塑集團產品。目前服務台灣地區三千間以上客戶，除國家研究單位，且也是國內知名上市、上櫃企業之優質供應商。狹著優良之品質及數十年的品牌信譽，奇賓近期持續發展國外商業版圖，產品已外銷到日本、澳洲、馬來西亞、大陸等地。

CHIBIN Machine Co., Ltd. was established in 1980 and has been the first leading company committed to producing stainless steel fittings in Taiwan.

In the beginning of establishment, our excellent quality has been selected as the main supplier of stainless steel fittings for Formosa Plastics Group. We still continue to supply products to them until now. So far we already serve more than 3,000 customers in Taiwan, including national research units and well-known domestic listed companies. With exceptional quality and brand reputation for decades, recently we keep expanding overseas business to Japan, Australia, Malaysia, China, etc.



奇寶計有十四大類標準產品，深受客戶的推崇使用，在雙片啖入式接頭、快速接頭、省力快插接頭，更是本公司具有國際競爭力產品，已受多數國外買主持續採購販售、使用。  
為客戶打造全面性的客製化服務，以誠信實在的服務精神及合理價格，為客戶提供最滿意的製品。

We have fourteen categories of standard products which have been highly recommended by the customers. Especially tube fittings, quick couplings and push-in pneumatic fittings are with international competitiveness and many foreign buyers continuously place orders.  
Providing customers comprehensive customization and the most satisfactory products with honest service and reasonable price.

## 01 硬管接頭 Metal Tube Fittings

雙片啖入式接頭 Tube Fittings  
單片鋼管接頭 Compression Fittings

## 02 軟管接頭 Soft Tube Fittings

飛速型接頭 Rapid Pneumatic Fittings  
省力快插接頭 Push-in Pneumatic Fittings

## 03 油管接頭 Hydraulic Fittings

油壓接頭 Hydraulic Fittings  
油壓活動接頭 Swivel Fittings  
軟管夾頭 Crimp Hose Fittings

## 04 轉換接頭 Pipe Fittings

一般管件接頭 Pipe Fittings  
高壓管件接頭 High Pressure Pipe Fittings

## 05 快速接頭 Quick Couplings

單閉快速接頭 One-Way Shutoff Quick Couplings  
雙閉快速接頭 Two-Way Shutoff Quick Couplings  
暢通快速接頭 Straight Through Quick Couplings  
大流量快速接頭 Camlock Quick Couplings

## 06 閥類 Valves Y 型過濾器 YStrainer 噴嘴 Nozzles

## 07 客製品 OEM

閥類型 Valves  
快速接頭類型 Quick Couplings  
噴嘴類型 Nozzles  
其他類型 Others





## 產品應用廣

奇賓產品應用極廣，可應用於自動化設備、各式壓力、溫度及流量錶頭、水處理設備、實驗室設備與配管、食品機械、機械加工設備、船艙配管、化工儀表、油壓管路設備、高壓清洗設備等處。

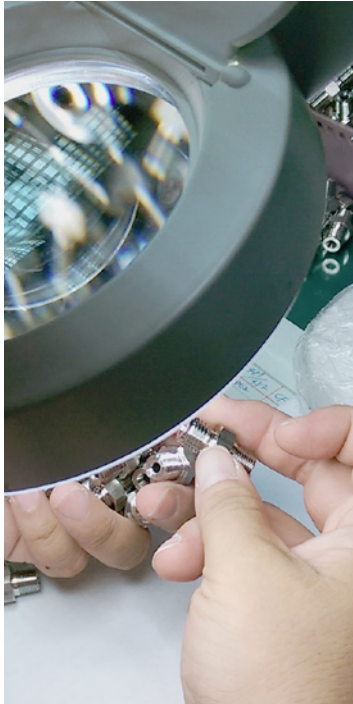
奇賓產品應用的產業涵蓋產業有半導體產業、化工產業、水處理產業、船用五金、重工機械、及氣動工具零件，近年來也開始跨足食品及醫療零件等相關客製化產品。

CHIBIN products have wide applications for automation equipment, various pressure, thermal and flow meters, water treatment equipment, laboratory equipment and piping, food machinery, machining equipment, piping in vessel cabin, chemical instrument, hydraulic pipe equipment, high pressure cleaning equipment, etc.

CHIBIN products are applied for industries including semiconductor, chemical, water treatment, vessel hardware, heavy machinery and pneumatic tool components. In recent years, we also start to provide customized products for food and medical components.



## 完整的 生產品質管制體系



本公司通過 ISO9001 國際標準品質驗證，品質更是不斷向上提升，全力為顧客解決管配件上的困擾，並帶給顧客極具競爭力產品及快速又便捷的服務。

本公司以堅強的生產團隊，嚴謹的製程控制及品質保證制度，以及結合長期配合良好且評鑑合格之鍛造、鑄件加工、熱處理等協力廠，建構一個完整的生產品質管制體系。

We already passed ISO 9001 certification to continuously ensure higher quality. We are doing all our best to provide the customers total solution for the pipe fittings as well as highly competitive products, speedy and convenient service.

We set up a complete production quality control system with a strong production team, strict process control and quality assurance system as well as long-term cooperative and qualified subcontractors of forging, casting processing, heat treatment, and so on.

## 品質至上 顧客第一

奇賓始終秉持著誠信用心、品質卓越、服務第一之經營思維，持續塑造本公司之優質產品，聯結良性的經濟體系，「您的安全 奇賓接管」。

We always adhere to the business philosophy of honesty, outstanding quality and service first to continuously provide high quality products for connecting benign economic system.

"Your Safety ,CHIBIN Takes Care Of".



# 各式閥類

## Valves



### 閥類選擇的重要性

閥類是一個內部機構包含改變流向和流速作用的組零件，可以運用在流量開關或流量調整，廣泛應用於各類產業及民用管道設施，包括一般住宅裡的「水錶周圍」、「瓦斯表周圍」、「供熱水設備」等，所以必須瞭解各類閥件之功能，才能達到所想要的功效。

### The importance of valve selection

Valves feature the speed adjustment of fluid and changeable flow direction. Valves can be applied in flow switches or flow adjustments; frequently found in a full range of industries and civil piping facilities including peripherals for water meter, gas meter, and hot water supply equipment. A full comprehension of various valves capability is a must to meet the desired function.



### 閥類別與功能

- 逆止閥：防止流體倒流
- 安全閥：釋放系統的超壓
- 排放閥：排放氣體和小量污物
- 針 閥：調節流體之流量
- 球 閥：截斷或接通流體

### Valves Category and Function

- Check Valve : Prevent fluid backflow
- Safety Valve : Release overpressure of system
- Bleed Valve : Discharge gas and remove small amount of dirt
- Needle Valve : Adjust flow rate
- Ball Valve : Used to cut or switch on fluid



## 各式閥類 Valves



### 逆止閥 Check Valve

SUS304、316 / 14~210 kgf/cm<sup>2</sup>

啟動壓力 Cracking Pressure : 0.2~0.3 kgf/cm<sup>2</sup>

保護設備免受回流壓力造成損壞，構造簡單、易於維護。

Protect the equipment from damage caused by backflow pressure with simple and easy to maintain structure.

### 安全閥 Safety Valve

SUS304 / 10 kgf/cm<sup>2</sup>

釋放過多的壓力，壓力可調，確保設備安全運轉。

A release of excess pressure

Adjustable pressure

To ensure safe operation of the equipment



### 應用 / 型式

- 適用於水、油、氣、溶劑。
- 逆止閥：外螺紋 / 內螺紋 / 啖入式 / 搖擺式
- 安全閥：可調式
- 排放閥：直孔 / 側孔
- 針閥：內螺紋 / 啖入式
- 球閥：啖入式 / 一片式 / 二片式 / 三片式

### 技術資料

- 工作壓力：14 ~ 400 kgf/cm<sup>2</sup>
- 工作溫度：-25°C ~ +180°C
- 尺寸：螺紋 1/8" ~ 4" / 管 1/4" ~ 3/4" · 6~12mm
- 密封圈材質：Viton
- O 型環：NBR / Viton
- 墊圈：鐵氟龍
- 螺紋：PT

### 排放閥 Bleed Valve

SUS316 / 210 kgf/cm<sup>2</sup>

僅兩個零件組成・精巧結構

Composed of only two parts, compact structure.



### 針閥 Needle Valve

SUS304、316 / 3000、6000 psi (210、400 kgf/cm<sup>2</sup>)

關斷能力良好、精確調整流量、負載阻力、壓力緩衝。

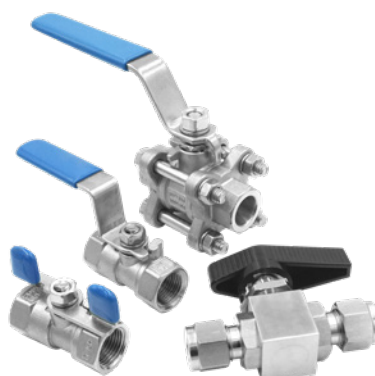
Excellent shutoff function, precise adjustment of flow, load resistance and pressure regulation

### 球閥 Ball Valve

SUS316 / 1000 psi (70 kgf/cm<sup>2</sup>)

操作方便、90°關閉迅速、密封性佳、易維護。

Easy to operate, quick to close at 90°, Good sealing performance, easy to maintain.



## Application / Type

- Suitable for water, oil, gas and solvent.
- Check Valve : Male thread / Female thread / Tube / Swing
- Safety Valve : Adjustable
- Bleed Valve : Vent / Side Vent
- Needle : Female thread / Tube
- Ball : Tube / 1-PC / 2-PC / 3-PC

## Technical Data

Working Pressure : 14 ~ 400 kgf/cm<sup>2</sup>

Working Temperature : -25°C ~ +180°C

Size : Thread 1/8" ~ 4" / Tube 1/4" ~ 3/4" · 6~12mm

Seal Material : Viton

O-ring : NBR / Viton

Packing : Made from PTFE (polytetrafluoroethylene)

Thread : PT

| 閥類型式<br>Valves Type         | 1<br>螺紋尺寸<br>Thread Size | 2<br>螺紋型式<br>Thread Type | -        | 3<br>材質<br>Material |
|-----------------------------|--------------------------|--------------------------|----------|---------------------|
| <b>NVF</b>                  | <b>06</b>                | <b>T</b>                 | <b>-</b> | <b>316</b>          |
| 內牙針閥<br>Female Needle Valve | 1/4"                     | PT                       | -        | SUS316              |

閥類型式請參考“索引”  
For the Valves Type, please refer to "Index".

## 1 螺紋尺寸代號 Thread Size Code

| 尺寸 Size (in.) | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1  | 1-1/4 | 1-1/2 | 2  | 2-1/2 | 3  | 4   |
|---------------|-----|-----|-----|-----|-----|----|-------|-------|----|-------|----|-----|
| 代號 Code       | 03  | 06  | 10  | 15  | 20  | 25 | 32    | 40    | 50 | 65    | 75 | 100 |

## 2 螺紋型式代號 Thread Type Code

| 型式 Type          | PT 管用錐形螺紋                                 | NPT 美制管用錐形螺紋                                                         |
|------------------|-------------------------------------------|----------------------------------------------------------------------|
| 代號 Code          | T                                         | N                                                                    |
| 規範 Specification | Taper Pipe Threads<br>(JIS B0203, ISO7/1) | American National Standard<br>Taper Pipe Threads<br>(ANSI B1. 20. 1) |

\* NPT 螺紋非常態性庫存，需另外訂製。  
NPT threads are not in normal stock and needs to be produced per request.

## 3 材質代號 Material Code

| 材質 Material | SUS304   | SUS316 |
|-------------|----------|--------|
| 代號 Code     | 空白 Blank | 316    |

## 各式閥類

Valves

## 索引

Index

**P.08**



外牙逆止閥

**CVM**

Male Check Valve

**P.08**



內牙逆止閥

**CVF**

Female Check Valve

**P.09**



嚙入式逆止閥

**CVT**

Tube Check Valve

**P.09**



搖擺式逆止閥

**CVS**

Swing Check Valve

**P.10**



可調式安全閥

**SVA**

Adjustable Safety Valve

**P.11**



排放閥

**BV**

Bleed Valve

**P.12**



內牙針閥

**NVF**

Female Needle Valve

**P.13**



嚙入式針閥

**NVT**

Tube Needle Valve

**P.14**



嚙入式球閥

**BVT**

Tube Ball Valve

**P.14**

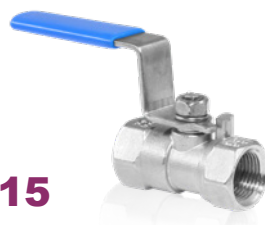


一片式內外牙球閥

**BVMF-1P**

1-PC Male Female  
Ball Valve

**P.15**



一片式內牙球閥

**BVF-1P**

1-PC Female Ball Valve

**P.15**



一片式蝶柄  
內牙球閥

**BBVF-1P**

1-PC Female  
Ball Valve  
(Butterfly Handle)



# 索引

## Index

## 各式閥類

### Valves



**P.16**

二片式內牙球閥  
**BVF-2P**  
2-PC Female  
Ball Valve



**P.16**

二片式蝶柄  
內牙球閥  
**BBVF-2P**  
2-PC Female  
Ball Valve  
(Butterfly Handle)



**P.17**

塔接內牙球閥  
**BVHF-2P**  
2-PC Barbed Hose  
Female Ball Valve



**P.17**

三片式內  
牙球閥  
**BVF-3P**  
3-PC Female  
Ball Valve



**P.18**

Y 型過濾器  
**Y**  
Y Strainer

## 逆止閥 Check Valve

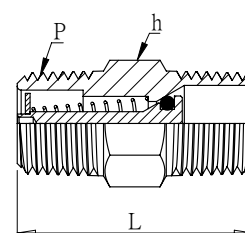
### 外牙逆止閥 Male Check Valve

| Part No | Thread Size | Dimensions | h 六角 |
|---------|-------------|------------|------|
|         | P-PT        | L          |      |
| CVM03T  | 1/8"        | 25         | 10   |
| CVM06T  | 1/4"        | 30         | 14   |
| CVM10T  | 3/8"        | 33         | 17   |

- 工作壓力 Working Pressure : 30 kgf/cm<sup>2</sup>
- 啟動壓力 Cracking Pressure : 0.2~0.3 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS304、316
- 密封圈 Seal : Viton

\* 另有可調整壓力的逆止閥，請洽詢本公司。

Provide adjustable pressure check valve for selection, please consult with CHIBIN.

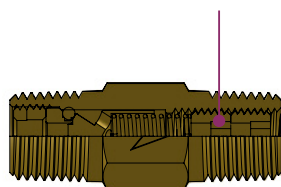


流體方向 Fluid direction ➤

### 可調式逆止閥

### Adjustable Check Valve

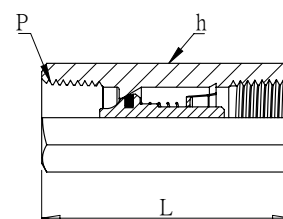
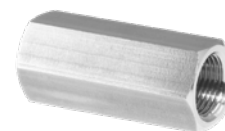
調整壓力 Adjustable pressure



### 內牙逆止閥 Female Check Valve

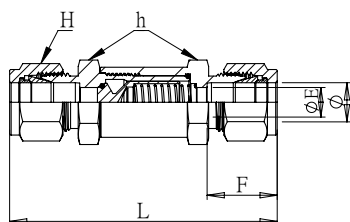
| Part No | Thread Size | Dimensions | h 六角 |
|---------|-------------|------------|------|
|         | P-PT        | L          |      |
| CVF03T  | 1/8"        | 40         | 14   |
| CVF06T  | 1/4"        | 45         | 17   |
| CVF10T  | 3/8"        | 50         | 21   |
| CVF15T  | 1/2"        | 60         | 27   |
| CVF20T  | 3/4"        | 60         | 32   |
| CVF25T  | 1"          | 70         | 41   |

- 工作壓力 Working Pressure : 30 kgf/cm<sup>2</sup>
- 啟動壓力 Cracking Pressure : 0.2~0.3 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS304、316
- 密封圈 Seal : Viton



流體方向 Fluid direction ➤

## CVT



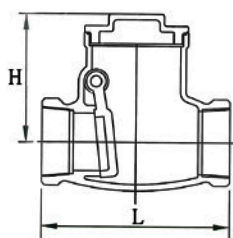
流體方向 Fluid direction ➔

### 吸入式逆止閥 Tube Check Valve

| Part No | Tube OD | Dimensions |      |      | H 六角  | h 六角 |
|---------|---------|------------|------|------|-------|------|
|         | Ø       | Ø E        | F    | L    |       |      |
| CVT20I  | 1/4"    | 4.8        | 15.5 | 60.4 | 14    | 16   |
| CVT30I  | 3/8"    | 7.5        | 17   | 69.8 | 17    | 23   |
| CVT40I  | 1/2"    | 9.7        | 23   | 87.8 | 22    | 24   |
| CVT60I  | 3/4"    | 15         | 24.6 | 89.6 | 28.57 | 30   |

- 工作壓力 Working Pressure : 210 kgf/cm<sup>2</sup>
- 啟動壓力 Cracking Pressure : 0.5 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS316
- 密封圈 Seal : Viton

## CVS



### 搖擺式逆止閥 Swing Check Valve

| Part No | Thread Size | Dimensions |     |
|---------|-------------|------------|-----|
|         | P-PT        | H          | L   |
| CVS10T  | 3/8"        | 43         | 65  |
| CVS15T  | 1/2"        | 43         | 65  |
| CVS20T  | 3/4"        | 46.5       | 80  |
| CVS25T  | 1"          | 60         | 90  |
| CVS32T  | 1-1/4"      | 66.5       | 105 |
| CVS40T  | 1-1/2"      | 76         | 120 |
| CVS50T  | 2"          | 81         | 140 |
| CVS65T  | 2-1/2"      | 93         | 180 |
| CVS75T  | 3"          | 140        | 200 |

- 工作壓力 Working Pressure : 14 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS316
- 密封圈 Seal : 鐵氟龍 PTFE

## 安全閥 Safety Valve

### 可調式安全閥 Adjustable Safety Valve

| Part No | Thread Size | Dimensions |      | h 六角 |
|---------|-------------|------------|------|------|
|         | P-PT        | Ø E        | L    |      |
| SVA06T  | 1/4"        | 4          | 48.1 | 14   |

- 可調壓力範圍 Working Pressure Range : 1~10 kgf/cm<sup>2</sup>
- 材質 Materia : SUS304
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 密封圈 Seal : Viton

### 壓力調整說明 Pressure Adjustment Instructions

#### 壓力調整桿 Pressure adjustment stem

順時針為調高壓力  
逆時針為調低壓力  
Clockwise to increase pressure  
Counterclockwise to decrease pressure

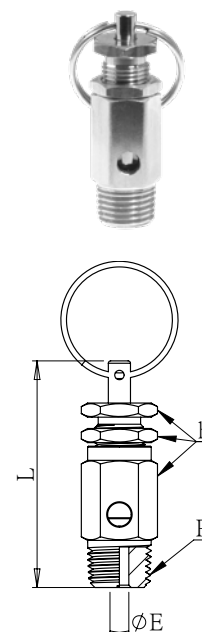
#### 超壓排氣孔 Overpressure vent

#### 手動拉環 Manual pull ring

拉起可快速排氣  
Pull up for quick exhaust

#### 固定帽 Fixing cap

壓力調整前 / 後  
鬆開 / 鎖緊固定帽  
Before / After pressure is adjusted,  
Lock / Loosen fixing cap



- ※ 安全閥彈開壓力應設定高於停止壓力 1 kgf/cm<sup>2</sup>
- ※ 安全閥壓力務必調整，且建議每年更換一次安全閥，以確保有保護作用和設備安全運轉。

- ※ Safety valve pop-up pressure should be set higher than stop pressure by 1 kgf/cm<sup>2</sup>
- ※ Pressure of the safety valve must be adjusted, and it is recommended to replace safety valve once a year to secure safe operation of equipment.

適用於工作溫度 < 150°C 的工業空氣壓縮機上，以及在蒸汽加熱系統出現故障時釋放過多的蒸汽壓力，是可調的超壓保護裝置，當到達設定壓力時，安全閥會自動彈開洩壓，排放到規定值時，閥門自動關閉，維持設備的安全運行。

Suitable for industrial air compressors with operating temperature < 150 °C . Safety valve can release excessive steam pressure when steam heating system fails; it's an adjustable device of overpressure protection. When the set pressure is reached, safety valve automatically pops up to release pressure; when discharge reaches the specified value, the valve will automatically close to maintain the safe operation of the equipment.



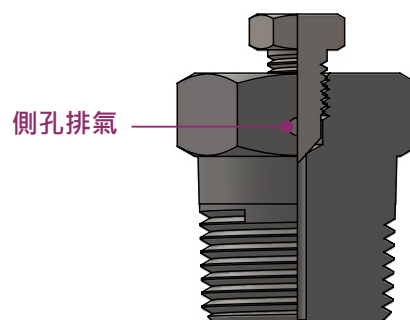
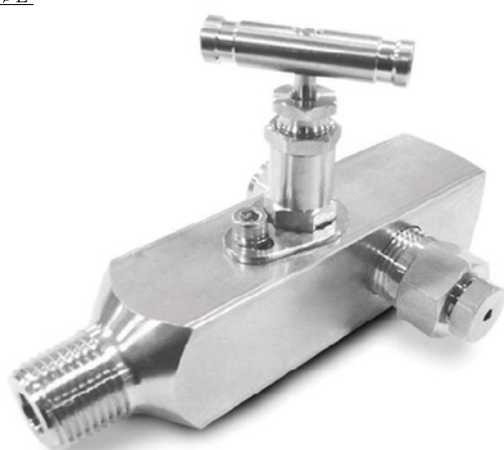
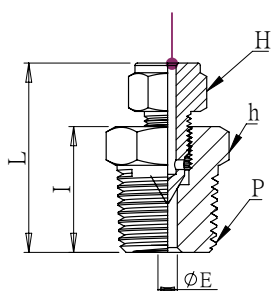
排放閥 Bleed Valve

| Part No | Thread Size | Dimensions |    |      | H 六角 | h 六角 |
|---------|-------------|------------|----|------|------|------|
|         | P-PT        | Ø E        | I  | L    |      |      |
| BV15T   | 1/2"        | 4          | 26 | 39.1 | 14   | 22   |

● 工作壓力 Working Pressure : 210 kgf/cm<sup>2</sup>

● 材質 Material : SUS316

直孔排氣 Vent



排放閥 (側孔)  
Bleed Valve (side vent)

排放閥用於儀器設備 (如儀表閥)，例如以在移除儀器前或儀器校驗前，將信號管路壓力排放到大氣中。

Bleed valves are used in instrumentation equipment (such as instrument valves), for example, to release the signal line pressure before removal of the instrument or instrument calibration.



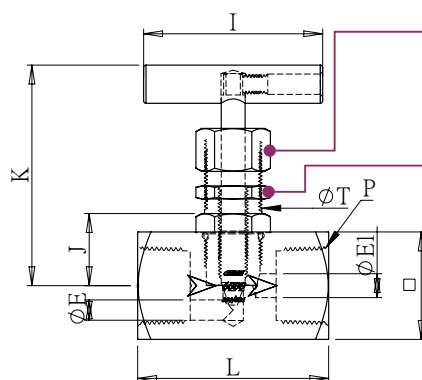
# 針閥 Needle Valve

## 內牙針閥 Female Needle Valve



| Part No | Thread Size | Panel Hole Size | Dimensions |      |    |      |    |      | □  |
|---------|-------------|-----------------|------------|------|----|------|----|------|----|
|         | P-PT        | Ø T (穿板孔徑)      | Ø E        | Ø E1 | I  | J    | L  | K    |    |
| NVF06T  | 1/4"        | 16.5            | 4.5        | 4.5  | 60 | 15.7 | 45 | 64.5 | 20 |
| NVF10T  | 3/8"        | 16.5            | 5.5        | 5.5  | 60 | 18.2 | 50 | 64.6 | 25 |
| NVF15T  | 1/2"        | 22.5            | 6.4        | 6.4  | 60 | 22   | 65 | 80.3 | 30 |
| NVF20T  | 3/4"        | 24.5            | 8.5        | 8.5  | 75 | 25.7 | 70 | 93.7 | 36 |
| NVF25T  | 1"          | 24.5            | 8.5        | 10   | 75 | 30.2 | 80 | 92.3 | 45 |

| 材質 Material             | SUS304                              | SUS316         |
|-------------------------|-------------------------------------|----------------|
| 工作壓力 Working Pressure   | 6000 psi (400 kgf/cm <sup>2</sup> ) |                |
| 工作溫度 Working Temperatur | -20°C ~ +80°C                       | -25°C ~ +180°C |
| 型環 O-ring               | NBR                                 | Viton          |
| 墊圈 Packing              | 鐵氟龍 PTFE                            |                |



流體方向 Fluid direction ➔

### 上蓋帽 Packing Nut

可重複調整氣密  
capable of adjusting air  
tightness repeatedly

### 固定帽 Panel Nut

鎖在機板上用  
for locking on the board

## 使用注意說明

1. 安裝後，將閥桿旋緊後再調整上蓋帽，使針閥為密封狀態。
2. 可重複氣密，若使用一段時間後氣密不佳，再調整上蓋帽，即再次密封。

## Use note

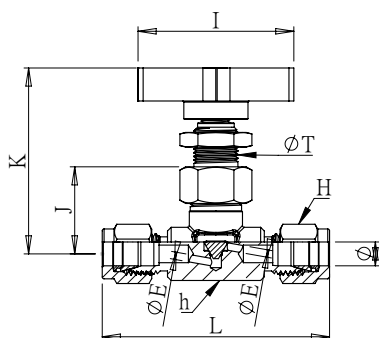
1. Once installed, screw the valve stem tight and adjust the packing nut to ensure the needle valve sealed.
2. Featuring reusable air tightness; after used for a while the packing nut needs to be adjusted to restore the sealing in case of poor airtightness.



## 嚙入式針閥 Tube Needle Valve

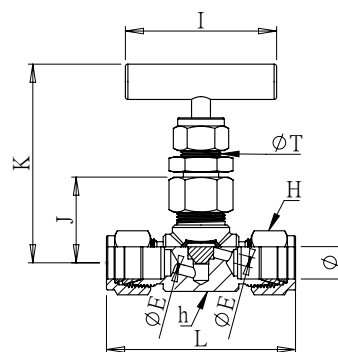
| Part No | Tube OD | Panel Hole Size | Dimensions |      |       |      |       | H<br>六角 | h    |
|---------|---------|-----------------|------------|------|-------|------|-------|---------|------|
|         | Ø       | Ø T (穿板孔徑)      | Ø E        | I    | J     | L    | K     |         |      |
| NVT06M  | 6       | 12.5            | 2          | 42.5 | 23.75 | 62   | 50.75 | 14      | 14.5 |
| NVT08M  | 8       | 12.5            | 2.5        | 42.5 | 24.7  | 66.8 | 52.75 | 16      | 14.5 |
| NVT10M  | 10      | 12.5            | 3          | 42.5 | 24.7  | 67   | 50.7  | 19      | 18.6 |
| NVT12M  | 12      | 16.3            | 4          | 60   | 34    | 75   | 78.85 | 22      | 22.7 |
| NVT20I  | 1/4"    | 12.5            | 2          | 42.5 | 23.75 | 62   | 50.75 | 14      | 14.5 |
| NVT30I  | 3/8"    | 12.5            | 3          | 42.5 | 24.7  | 67   | 50.7  | 17      | 18.6 |
| NVT40I  | 1/2"    | 16.3            | 4          | 60   | 34    | 75   | 78.85 | 22      | 22.7 |

- 工作壓力 Working Pressure : 3000 psi (210 kgf/cm<sup>2</sup>)
- 材質 Material : SUS316
- 工作溫度 Working Temperature : -25°C ~ 180°C



6Ø、8Ø、10Ø、1/4"、3/8"

O 型環 O-ring : Viton



12Ø、1/2"

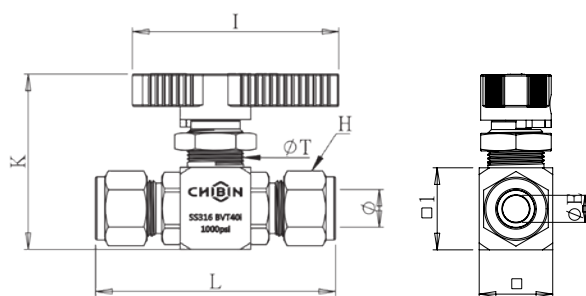
墊圈 Packing : 鐵氟龍 PTFE

## 球閥 Ball Valve

## 嚙入式球閥 Tube Ball Valve

| Part No | Tube OD | Panel Hole Size | Dimensions |    |      |      | H<br>六角 | □  | □ 1 |
|---------|---------|-----------------|------------|----|------|------|---------|----|-----|
|         | Ø       | Ø T (穿板孔徑)      | Ø E        | I  | L    | K    |         |    |     |
| BVT20I  | 1/4"    | 16.3            | 4.8        | 53 | 53.5 | 69   | 14      | 22 | 22  |
| BVT30I  | 3/8"    | 16.3            | 7          | 53 | 53.5 | 71   | 17      | 22 | 22  |
| BVT40I  | 1/2"    | 19.5            | 9.2        | 71 | 60   | 81.5 | 22      | 26 | 28  |
| BVT60I  | 3/4"    | 19.5            | 12.6       | 71 | 65.5 | 86.6 | 28.6    | 32 | 34  |

- 工作壓力 Working Pressure : 1000 psi (70 kgf/cm<sup>2</sup>)
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Material : SUS316
- O 形環 O-ring : Viton
- 墊圈 Packing : 鐵氟龍 PTFE



## BVMF-1P

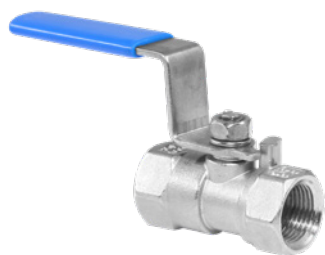
一片式內外牙球閥  
1-PC Male Female Ball Valve

| Part No    | Thread Size |
|------------|-------------|
|            | P-PT        |
| BVMF03T-1P | 1/8"        |
| BVMF06T-1P | 1/4"        |
| BVMF10T-1P | 3/8"        |
| BVMF15T-1P | 1/2"        |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Material : SUS316
- 墊圈 Packing : 鐵氟龍 PTFE



## BVF-1P



### 一片式內牙球閥 1-PC Female Ball Valve

| Part No   | Thread Size |
|-----------|-------------|
|           | P-PT        |
| BVF06T-1P | 1/4"        |
| BVF10T-1P | 3/8"        |
| BVF15T-1P | 1/2"        |
| BVF20T-1P | 3/4"        |
| BVF25T-1P | 1"          |
| BVF32T-1P | 1-1/4"      |
| BVF40T-1P | 1-1/2"      |
| BVF50T-1P | 2"          |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 材質 Material : SUS316
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 墊圈 Packing : 鐵氟龍 PTFE

## BBVF-1P



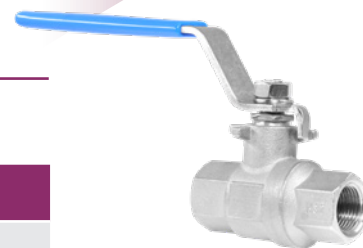
### 一片式蝶柄內牙球閥 1-PC Female Ball Valve (Butterfly Handle)

| Part No    | Thread Size |
|------------|-------------|
|            | P-PT        |
| BBVF03T-1P | 1/8"        |
| BBVF06T-1P | 1/4"        |
| BBVF10T-1P | 3/8"        |
| BBVF15T-1P | 1/2"        |
| BBVF20T-1P | 3/4"        |
| BBVF25T-1P | 1"          |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 材質 Material : SUS316
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 墊圈 Packing : 鐵氟龍 PTFE

## BVF-2P

### 二片式內牙球閥 2-PC Female Ball Valve



| Part No    | Thread Size |  |
|------------|-------------|--|
|            | P-PT        |  |
| BVF06T-2P  | 1/4"        |  |
| BVF10T-2P  | 3/8"        |  |
| BVF15T-2P  | 1/2"        |  |
| BVF20T-2P  | 3/4"        |  |
| BVF25T-2P  | 1"          |  |
| BVF32T-2P  | 1-1/4"      |  |
| BVF40T-2P  | 1-1/2"      |  |
| BVF50T-2P  | 2"          |  |
| BVF65T-2P  | 2-1/2"      |  |
| BVF75T-2P  | 3"          |  |
| BVF100T-2P | 4"          |  |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS316
- 墊圈 Packing : 鐵氟龍 PTFE

## BBVF-2P

### 二片式蝶柄內牙球閥 2-PC Female Ball Valve (Butterfly Handle)



| Part No    | Thread Size |  |
|------------|-------------|--|
|            | P-PT        |  |
| BBVF03T-2P | 1/8"        |  |
| BBVF06T-2P | 1/4"        |  |
| BBVF10T-2P | 3/8"        |  |
| BBVF15T-2P | 1/2"        |  |
| BBVF20T-2P | 3/4"        |  |
| BBVF25T-2P | 1"          |  |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Materia : SUS316
- 墊圈 Packing : 鐵氟龍 PTFE

## BVHF-2P



### 二片式塔接內牙球閥

### 2-PC Barbed Hose Female Ball Valve

| Part No       | Hose ID | Thread Size |
|---------------|---------|-------------|
|               | Ø       | P-PT        |
| BVHF03H15T-2P | 3/8"    | 1/2"        |
| BVHF04H15T-2P | 1/2"    | 1/2"        |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Material : SUS304
- 墊圈 Packing : 鐵氟龍 PTFE

## BVF-3P



### 三片式內牙球閥 3-PC Female Ball Valve

| Part No    | Thread Size |
|------------|-------------|
|            | P-PT        |
| BVF06T-3P  | 1/4"        |
| BVF10T-3P  | 3/8"        |
| BVF15T-3P  | 1/2"        |
| BVF20T-3P  | 3/4"        |
| BVF25T-3P  | 1"          |
| BVF32T-3P  | 1-1/4"      |
| BVF40T-3P  | 1-1/2"      |
| BVF50T-3P  | 2"          |
| BVF65T-3P  | 2-1/2"      |
| BVF75T-3P  | 3"          |
| BVF100T-3P | 4"          |

- 工作壓力 Working Pressure : 70 kgf/cm<sup>2</sup>
- 工作溫度 Working Temperature : -25°C ~ +180°C
- 材質 Material : SUS316
- 墊圈 Packing : 鐵氟龍 PTFE



## Y 型過濾器 Y Strainer

### Y 型過濾器 Y Strainer

| Part No | Thread Size |
|---------|-------------|
|         | P-PT        |
| Y06T    | 1/4"        |
| Y10T    | 3/8"        |
| Y15T    | 1/2"        |
| Y20T    | 3/4"        |
| Y25T    | 1"          |
| Y32T    | 1-1/4"      |
| Y40T    | 1-1/2"      |
| Y50T    | 2"          |
| Y65T    | 2-1/2"      |
| Y75T    | 3"          |

材質 Material : SUS316



### 應用 / 特色

- 適用於各種液體和氣體管道。主要用於清除在蒸氣和空氣管道系統中的污垢、灰塵，以達到保護控制閥。
  - 不鏽鋼單層網結構，Y 型設計可保持流體暢通無阻。
  - 堅固、耐用、易於維護、清洗方便。
- ※ 過濾網如有特殊需求，請另行告知，接受最低數量訂製。

### 技術參數

- 工作壓力：800psi (57 kgf/cm<sup>2</sup>)
- 工作溫度：-25°C ~ +180°C
- 密封圈 / 墊圈：鐵氟龍
- 螺紋：PT

### Application / Features

- Suitable for liquids and gases pipelines. Main use in the removal of dust and dirt from steam and air piping to reach the protection of control valves.
  - Stainless steel single-layer mesh structure, Y-shaped design can keep the fluid unimpeded.
  - Sturdy, durable, easy to maintain and easy to clean.
- ※If there are special requirements for mesh filter, please inform us and accept the minimum order quantity.

### Technical Data

- Working Pressure : 800psi (57 kgf/cm<sup>2</sup>)
- Working Temperature : -25°C ~ +180°C
- Seal / Packing : PTFE
- Thread : PT

## 噴嘴 Nozzles



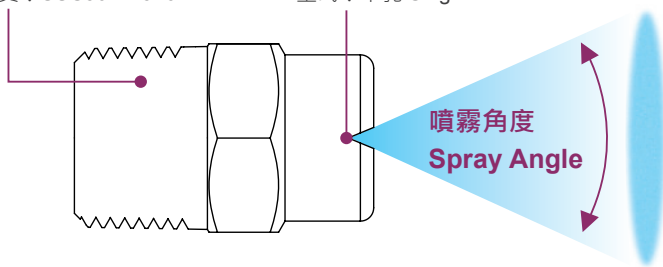
噴嘴大多安裝於各種噴淋、噴霧、噴油、噴砂、噴塗等設備裡，是一個關鍵配件，有著不同且重要的作用。  
Most nozzles are installed in various spraying, atomized spraying, oil spraying, sandblasting, and other equipment. It is a key accessory that plays a different and important role.

### 本體 Body

材質：SUS304、316

### 噴嘴孔 Nozzles Hole

型式：單孔 Single hole



材質 Material：SUS303、316、銅 Brass

## 應用 Application / 特色 Features

- 適用於清洗、水幕、冷卻、塗佈、噴塗、消泡、加濕、降塵等。
- 提高流出速度，並控制其方向和形狀。
- Suitable for cleaning, water curtain, cooling, coating, spraying, defoaming, humidifying, dust reduction.
- Raise outflow speed and control its direction and geometry.

## 技術參數 Technical data

- 尺寸 Size / 噴霧角度 Spray Angle：

| 型式 TypeType      | Size      | Spray Angle |
|------------------|-----------|-------------|
| 扇形 Flat Fan      | 1/8"~1/2" | 15° ~170°   |
| 圓錐實心 Full Cone   | 1/8"~2"   | 50° ~120°   |
| 圓錐空心 Hollow Cone | 1/4"~3/8" | 60° ~80°    |

- 螺紋 Thread：PT

# 如何選擇噴嘴

## How to Choose a Nozzle

### ● 噴霧形狀

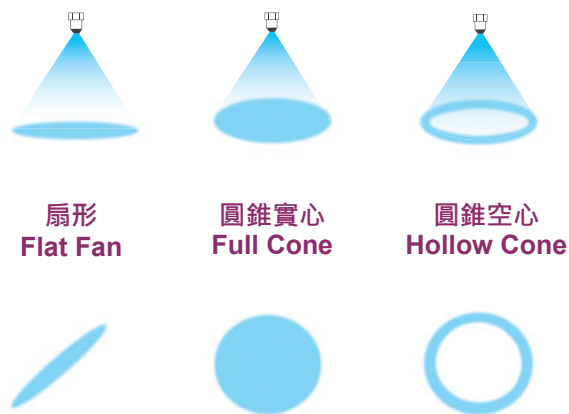
噴霧形狀 (或稱分布形狀) , 是指噴霧與噴嘴垂直面上所產生的形狀, 奇賓將噴霧形狀作為噴嘴的分類依據, 且提供以下不同的噴霧形狀供客戶選用。

若對選擇噴霧形狀有疑問, 請洽詢本公司。

### ● Spray geometry

The spray shape (or distribution shape) refers to the shape generated on the vertical surface of the spray and the nozzle.

CHIBIN uses the spray shape as the basis for the classification of the nozzle, and provides the following different spray shapes for the selection. If you have any questions about the choice of spray shape, please consult with CHIBIN.



### ● 材質

奇賓提供不鏽鋼及銅材質噴嘴, 選用噴嘴時, 應考量下列因素:

1. 流體及環境溫度。
2. 流體是否有固體在其中。
3. 流體是否有化學藥品。
4. 是否有潔淨度需求, 如有請另外告知。
5. 行業是否有標準規範材質

### ● Material

CHIBIN provides stainless steel and copper nozzles. In selection of nozzles, following factors should be considered:

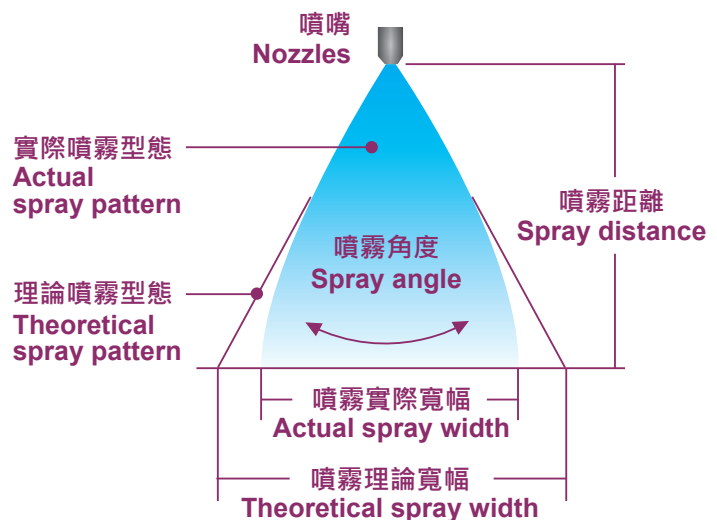
1. Fluid and ambient temperature.
2. Whether the fluid has solids in it.
3. Whether the fluid has chemicals.
4. If there is a requirement for cleanliness, please inform us.
5. Is there any material standards in the industry.

### ● 角度

噴霧角度是指流體離開噴嘴時所呈現的角度, 不同方向的噴嘴, 角度隨距離的變化也有所不同。噴嘴在標準操作壓力 (3 kgf/cm<sup>2</sup>) 下的角度是實際噴霧角度 (正負 5 度), 在設計噴灑設備時須納入考量。

### ● Angle

Spray angle refers to the angle that the fluid present after exiting the nozzle. Spray angle will vary with the distance and operating pressure. The angle of the nozzle under the standard operating pressure (3 kgf/cm<sup>2</sup>) is actual spray angle (plus and minus 5 degree). A tolerance of  $\pm 5^\circ$  must be taken into consideration for designing the spray system.



### ● 壓力與流量

噴嘴流量分布與噴霧高度及壓力會有所變化, 且流體比重越輕, 壓力越高時, 噴霧量越多。奇賓可提供試樣, 歡迎您與我們聯繫。

### ● Pressure and Flow Rate

Flow distribution is varied with pressure and spray height; the lighter the fluid, the higher the pressure, also the more the spray volume. CHIBIN can provide samples for your testing, feel free to contact us.

| 噴嘴型式<br>Nozzle Type       | 1<br>螺紋尺寸<br>Thread Size | 2<br>螺紋型式<br>Thread Type | 3<br>噴霧角度<br>Spray Angle | - | 4<br>材質<br>Material |
|---------------------------|--------------------------|--------------------------|--------------------------|---|---------------------|
| NOF                       | 06                       | T                        | 80A                      | - |                     |
| 一字扇形噴嘴<br>Flat Fan Nozzle | 1/4"                     | PT                       | 80°                      | - | SUS303              |

噴嘴類型請參考“索引”  
For the Nozzle Type, please refer to "Index".

## 1 螺紋尺寸代號 Thread Size Code

| 尺寸 Size (in.) | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1  | 1-1/4 | 1-1/2 | 2  |
|---------------|-----|-----|-----|-----|-----|----|-------|-------|----|
| 代號 Code       | 03  | 06  | 10  | 15  | 20  | 25 | 32    | 40    | 50 |

## 2 螺紋型式代號 Thread Type Code

| 型式 Type          | PT 管用錐形螺紋                                 |  |  |  |  |  |  |  |  |
|------------------|-------------------------------------------|--|--|--|--|--|--|--|--|
| 代號 Code          | T                                         |  |  |  |  |  |  |  |  |
| 規範 Specification | Taper Pipe Threads<br>(JIS B0203, ISO7/1) |  |  |  |  |  |  |  |  |

## 3 噴霧角度 Spray Angle

| 角度 Angle | 15° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 150° | 170° |
|----------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 代號 Code  | 15A | 50A | 60A | 70A | 80A | 90A | 100A | 110A | 120A | 150A | 170A |

※ 角度皆以 3 kgf/cm<sup>2</sup> 為測試標準  
The angles are tested with 3 kgf/cm<sup>2</sup>.

## 4 材質代號 Material Code

| 材質 Material | SUS303   | SUS316 | 銅 Brass |
|-------------|----------|--------|---------|
| 代號 Code     | 空白 Blank | 316    | B       |

## 噴嘴 Nozzles

## 索引 Index

**P.23**



一字扇形  
**NOF**  
Flat Fan

**P.23**



廣角扇形  
**NOK**  
Wide Angle  
Flat Fan

**P.24**



圓錐實心  
**NOC**  
Full Cone

**P.24**



螺旋式  
**NOS**  
Spiral

**P.25**



圓錐空心  
**NOH**  
Hollow Cone

**P.25**



圓錐空心 (霧狀)  
**NOW**  
Hollow Cone (Mist)

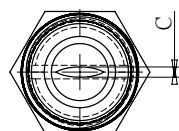
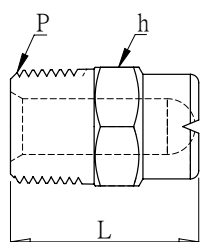
**P.26**



二流體 (內部混合)  
**NOA**  
Air Atomizing (Internal mix)

# NOF

## 扇形 Flat Fan

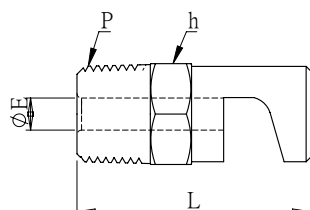


### 一字扇形噴嘴 Flat Fan Nozzles

| Part No    | Thread Size | Spray Angle | Dimensions |      | h 六角 |
|------------|-------------|-------------|------------|------|------|
|            | P-PT        | 角度          | C          | L    |      |
| NOF03T90A  | 1/8"        | 90°         | 1          | 20   | 11   |
| NOF06T15A  | 1/4"        | 15°         | 1.2        | 22   | 14   |
| NOF06T50A  | 1/4"        | 50°         | 0.87       | 22   | 14   |
| NOF06T80A  | 1/4"        | 80°         | 0.9        | 22   | 14   |
| NOF06T90A  | 1/4"        | 90°         | 2.05       | 25.5 | 14   |
| NOF06T100A | 1/4"        | 100°        | 2.2        | 25.5 | 14   |
| NOF10T50A  | 3/8"        | 50°         | 1.4        | 27   | 17   |
| NOF15T80A  | 1/2"        | 80°         | 2.9        | 34   | 22   |

# NOK

### 廣角扇形噴嘴 Wide Angle Flat Fan Nozzles

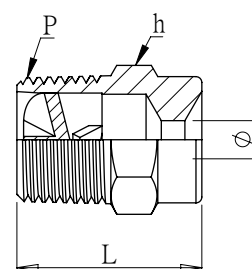


| Part No    | Thread Size | Spray Angle | Dimensions |    | h 六角 |
|------------|-------------|-------------|------------|----|------|
|            | P-PT        | 角度          | Ø E        | L  |      |
| NOK03T120A | 1/8"        | 120°        | 1          | 23 | 10   |
| NOK06T120A | 1/4"        | 120°        | 2          | 30 | 14   |
| NOK10T150A | 3/8"        | 150°        | 5          | 45 | 19   |
| NOK15T170A | 1/2"        | 170°        | 7          | 51 | 22   |

## 圓錐實心 Full Cone

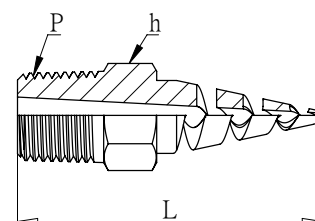
### 圓錐實心噴嘴 Full Cone Nozzles

| Part No   | Thread Size | Spray Angle | Dimensions |      | h 六角 |
|-----------|-------------|-------------|------------|------|------|
|           | P-PT        | 角度          | Ø          | L    |      |
| NOC03T50A | 1/8"        | 50°         | 1.6        | 19   | 12   |
| NOC06T50A | 1/4"        | 50°         | 2          | 21.5 | 14   |
| NOC10T70A | 3/8"        | 70°         | 3          | 24   | 17   |
| NOC15T90A | 1/2"        | 90°         | 6.5        | 31.5 | 22   |
| NOC20T90A | 3/4"        | 130°        | 10.5       | 42   | 29   |



## 螺旋噴嘴 Spiral Nozzles

| Part No    | Thread Size | Spray Angle | Dimensions | h 六角 |
|------------|-------------|-------------|------------|------|
|            | P-PT        | 角度          | L          |      |
| NOS06T120A | 1/4"        | 120°        | 46         | 14   |
| NOS10T120A | 3/8"        | 120°        | 53         | 17   |
| NOS15T120A | 1/2"        | 120°        | 68         | 22   |
| NOS20T120A | 3/4"        | 120°        | 80         | 27   |
| NOS25T120A | 1"          | 120°        | 98.5       | 34   |
| NOS32T120A | 1-1/4"      | 120°        | 112        | 43   |
| NOS40T120A | 1-1/2"      | 120°        | 152        | 49   |
| NOS50T120A | 2"          | 120°        | 178        | 61   |

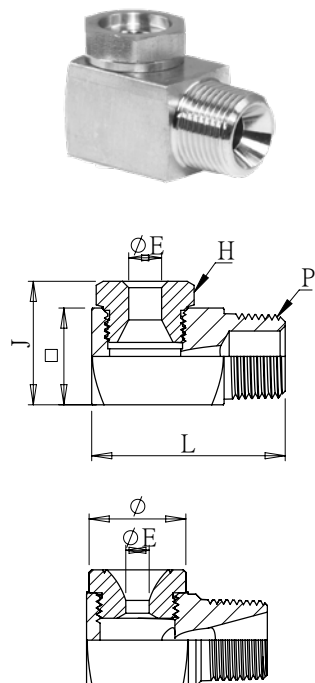




# NOH

## 圓錐空心 Hollow Cone

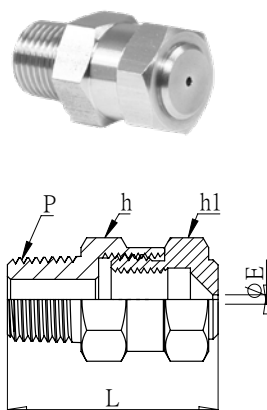
### 圓錐空心噴嘴 Hollow Cone Nozzles



| Part No   | Thread Size | Spray Angle | Dimensions |      |      | □  | H 六角 / Ø |
|-----------|-------------|-------------|------------|------|------|----|----------|
|           | P-PT        | 角度          | Ø E        | J    | L    |    |          |
| NOH10T70A | 3/8"        | 70°         | 6.5        | 24.3 | 38   | 19 | 17       |
| NOH10T80A | 3/8"        | 80°         | 4.6        | 24.3 | 35.5 | 19 | Ø 19     |

# NOW

### 圓錐空心噴嘴 (霧狀) Hollow Cone Nozzles (Mist)



| Part No   | Thread Size | Spray Angle | Dimensions |      | h 六角 | h1 六角 |
|-----------|-------------|-------------|------------|------|------|-------|
|           | P-PT        | 角度          | Ø E        | L    |      |       |
| NOW06T60A | 1/4"        | 60°         | 1.5        | 33.5 | 17   | 17    |

## 二流體 Air Atomizing

利用壓縮空氣高速撞擊液體，將液體變成微霧化。

Use compressed air to hit the liquid at high speed, turning the liquid into micro-atomization.

### 二流體霧化噴嘴 (內部混合)

#### Air Atomizing Nozzles (internal mix)

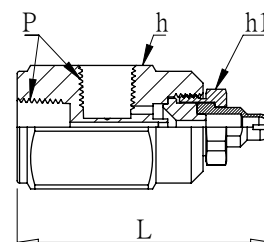
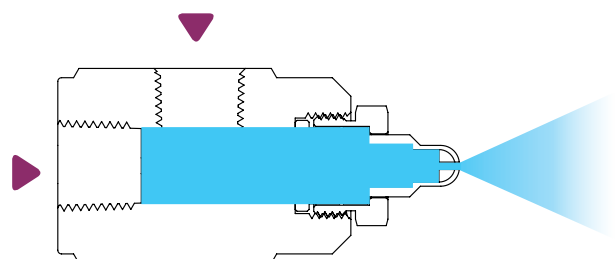
| Part No    | Thread Size | Spray Angle | Dimensions | h 六角 | h1 六角 |
|------------|-------------|-------------|------------|------|-------|
|            | P-PT        | 角度          | L          |      |       |
| NOA03T110A | 1/8"        | 110°        | 43.3       | 21   | 12    |

#### 液體 Liquid

水、酒精、氨水、除臭劑、抗靜電劑、表面處理劑  
Water, alcohol, ammonia, deodorant, antistatic agent, surface treatment agent

#### 空氣 Air

壓縮、蒸氣、氦氣  
compression, Vapor, Helium

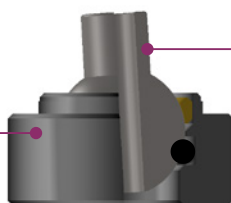


## 萬向噴嘴 Adjustable Nozzles

- 適用各種機械的冷卻噴水、噴氣
- 角度可調整
- Suitable for all kinds of water jet cooling systems and gas spray machines.
- Adjustable angle

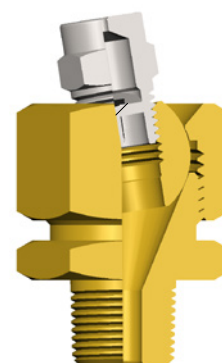
#### 底座 Spray seat

可訂製斜角出水  
Bevel can be customized



#### 噴嘴 Nozzles

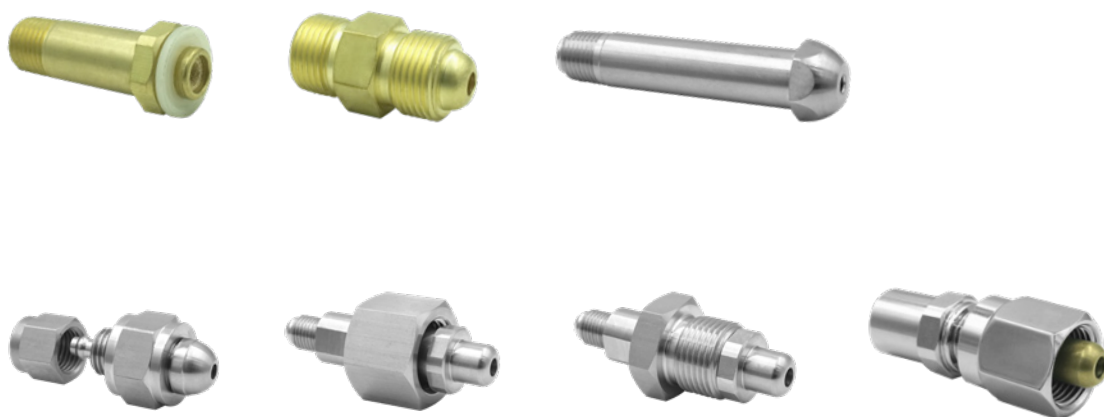
長度可訂製  
Length can be customized



\*此品項非常態性庫存，需另外車製，且接受非上述表列尺寸訂製。  
This item isn't in normal stock and needs to be produced per request.  
Customized size not in above table is acceptable.

## 鋼瓶接頭

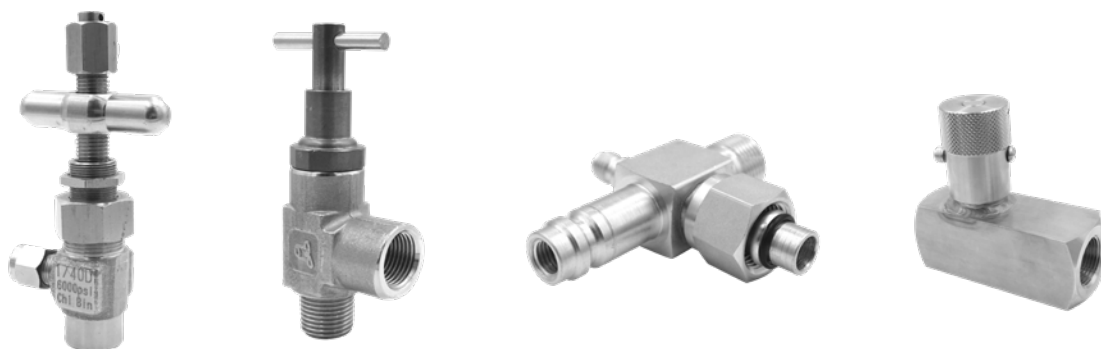
### Cylinder Connections



## 訂製品 customize

\* 另有其他型式閥類，請洽詢本公司。

Provide other type of valves for selection, please consult with CHIBIN.



FB粉絲專頁



LINE



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