

# 雙由任福特閥(底閥)

## TRUE UNION BALL FOOT VALVE

★材質：PVC & CPVC

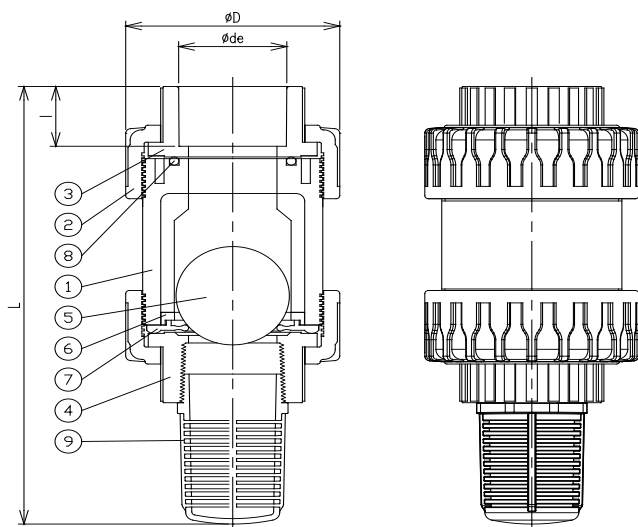
★尺寸：1/2" ~ 2"

★廠牌：SUPERTUNG

★規格：美規 ANSI / 日規 JIS / 台規 CNS / 歐規 DIN



- 工作壓力 Working pressure : 150 PSI / 73°F
- 雙由任設計，容易安裝及維修  
Two union design and easy maintenance
- 濾網為鎖螺牙設計，容易安裝及拆卸清理  
Filter is screw design, easy remove and clean
- 全流量  
Full port design
- 墊座及O環：EPDM or FPM  
Seals : EPDM or FPM



| No | PARTS NAME   | Q'TY | MATERIAL   |
|----|--------------|------|------------|
| 1  | BODY         | 1    | PVC , CPVC |
| 2  | NUT          | 2    | PVC , CPVC |
| 3  | CONNECTOR    | 1    | PVC , CPVC |
| 4  | CONNECTOR-IN | 1    | PVC , CPVC |
| 5  | BALL         | 1    | PVC , CPVC |
| 6  | RING         | 1    | PVC , CPVC |
| 7  | SEAT         | 1    | EPDM , FPM |
| 8  | O-RING       | 1    | EPDM , FPM |
| 9  | FILTER       | 1    | PVC , CPVC |

Caution : part#3 & part#4 is different.

註：零組件#3與零組件#4是不同的，且不可調換，否則可能失去止逆的功能!

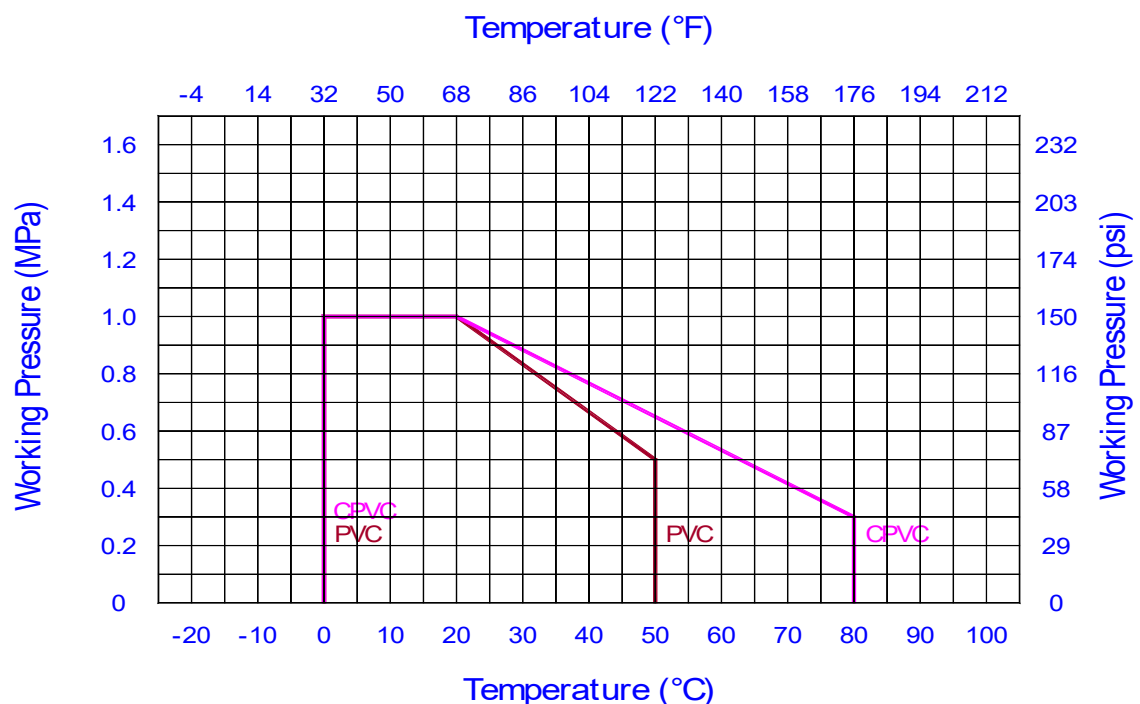
| SIZE         | D   | L   | 美規 插管       |      | 歐規 插管      |      | 日規 插管      |      | 台規 插管      |      | 美牙       | 日牙       | 平行牙      | 濾網<br>FILTER         |             |
|--------------|-----|-----|-------------|------|------------|------|------------|------|------------|------|----------|----------|----------|----------------------|-------------|
|              |     |     | ANSI socket |      | DIN socket |      | JIS socket |      | CNS socket |      | NPT      | BSPT     | BSPF     | 流量比<br>Flow<br>Ratio | 寬度<br>Width |
|              |     |     | $\phi$ de   | l    | $\phi$ de  | l    | $\phi$ de  | l    | $\phi$ de  | l    | thd./in. | thd./in. | thd./in. |                      |             |
| 1/2"(15mm)   | 56  | 175 | 21.34       | 22.5 | 20         | 20   | 22         | 22.5 | 22         | 22.5 | 14       | 14       | 14       | 3.0                  | 1.9         |
| 3/4"(20mm)   | 56  | 175 | 26.67       | 25.7 | 25         | 23   | 26         | 25.7 | 26         | 25.7 | 14       | 14       | 14       | 2.5                  | 1.9         |
| 1"(25mm)     | 66  | 201 | 33.4        | 28.9 | 32         | 26   | 32         | 28.9 | 34         | 28.9 | 11.5     | 11       | 11       | 2.5                  | 1.9         |
| 1-1/4"(32mm) | 98  | 233 | 42.16       | 33.8 | 40         | 31   | 38         | 33.8 | 42         | 33.8 | 11.5     | 11       | 11       | 2.2                  | 2.0         |
| 1-1/2"(40mm) | 98  | 247 | 48.26       | 35   | 50         | 34   | 48         | 35   | 48         | 35   | 11.5     | 11       | 11       | 2.1                  | 2.0         |
| 2"(50mm)     | 120 | 283 | 60.32       | 38.5 | 63         | 38.5 | 60         | 38.5 | 60         | 38.5 | 11.5     | 11       | 11       | 1.7                  | 2.0         |

## ● Technical Information

| 項次<br>Item | 品名<br>Description          | 尺寸<br>Size   | 材質 Material |           |            |
|------------|----------------------------|--------------|-------------|-----------|------------|
|            |                            |              | 主體 Body     | 墊座 Seat   | O 環 O-ring |
| (1)        | True Union Ball Foot Valve | 1/2"(DN15)   | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |
| (2)        | True Union Ball Foot Valve | 3/4"(DN20)   | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |
| (3)        | True Union Ball Foot Valve | 1"(DN25)     | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |
| (4)        | True Union Ball Foot Valve | 1-1/4"(DN32) | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |
| (5)        | True Union Ball Foot Valve | 1-1/2"(DN40) | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |
| (6)        | True Union Ball Foot Valve | 2"(DN50)     | PVC, CPVC   | EPDM, FPM | EPDM, FPM  |

| 尺寸<br>Size   | 直式安裝<br>Vertical Installation                           |                                                          |                                          | 壓力測試<br>Hydrostatic test                                 |                                                         | 流量係數 |
|--------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|
|              | 開啟壓力                                                    | 全閉：壓力 / 水位高度                                             |                                          | 爆破壓力                                                     | 1000hrs 持壓                                              | Cv   |
|              | Open pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Close pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Closing:<br>feet of head<br>(water) min. | burst pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | behavior test<br>water(kgf/cm <sup>2</sup> )<br>minimum |      |
| 1/2"(DN15)   | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 8    |
| 3/4"(DN20)   | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 15   |
| 1"(DN25)     | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 29   |
| 1-1/4"(DN32) | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 75   |
| 1-1/2"(DN40) | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 90   |
| 2"(DN50)     | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 140  |

## ● 溫度與工作壓力關係 Working pressure vs. Temperature



# 雙由任福特閥(底閥)

## TRUE UNION BALL FOOT VALVE

★材質：PVC & CPVC

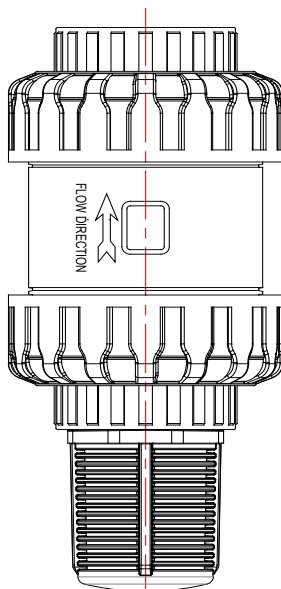
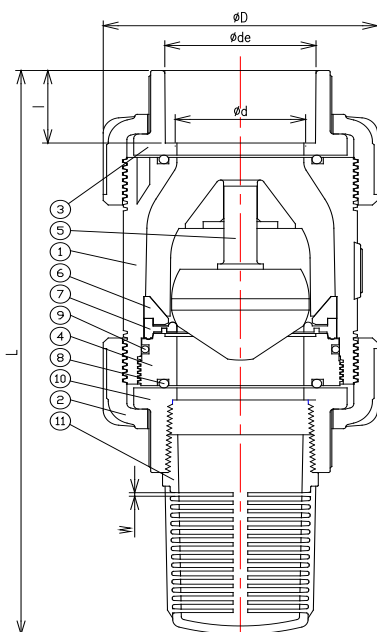
★尺寸：2-1/2" ~ 4"

★廠牌：SUPERTUNG

★規格：美規 ANSI / 日規 JIS / 台規 CNS / 歐規 DIN



- 工作壓力 Working pressure : 150 PSI / 73°F
- 雙由任設計，容易安裝及維修  
Two union design and easy maintenance
- 濾網為鎖螺牙設計，容易安裝及拆卸清理  
Filter is screw design , easy remove and clean
- 全流量  
Full port design
- 墊座及O環：EPDM or FPM  
Seals : EPDM or FPM



| No | PARTS NAME       | Q'TY | MATERIAL   |
|----|------------------|------|------------|
| 1  | BODY             | 1    | PVC , CPVC |
| 2  | NUT              | 2    | PVC , CPVC |
| 3  | CONNECTOR        | 1    | PVC , CPVC |
| 4  | CARRY            | 1    | PVC , CPVC |
| 5  | BALL             | 1    | PVC , CPVC |
| 6  | RING             | 1    | PVC , CPVC |
| 7  | SEAT             | 1    | EPDM , FPM |
| 8  | O-RING           | 2    | EPDM , FPM |
| 9  | O-RING           | 1    | EPDM , FPM |
| 10 | CONNECTOR Female | 1    | PVC , CPVC |
| 11 | FILTER           | 1    | PVC , CPVC |

| SIZE         | D   | L   | d   | 濾網<br>FILTER      |             |
|--------------|-----|-----|-----|-------------------|-------------|
|              |     |     |     | 流量比<br>Flow Ratio | 寬度<br>Width |
| 2-1/2"(65mm) | 162 | 365 | 65  | 1.6               | 2.3         |
| 3"(80mm)     | 162 | 373 | 75  | 1.6               | 2.3         |
| 4"(100mm)    | 220 | 429 | 100 | 1.5               | 2.3         |

| SIZE         | 美規 插管       |      | 歐規 插管      |    | 日規 插管      |    | 台規 插管      |    | 美牙       | 日牙       | 平行牙      |
|--------------|-------------|------|------------|----|------------|----|------------|----|----------|----------|----------|
|              | ANSI socket |      | DIN socket |    | JIS socket |    | CNS socket |    | NPT      | BSPT     | BSPF     |
|              | § de        | I    | § de       | I  | § de       | I  | § de       | I  | thd./in. | thd./in. | thd./in. |
| 2-1/2"(65mm) | 73.02       | 45   | 75         | 45 | 76         | 45 | 76         | 45 | 8        | 11       | 11       |
| 3"(80mm)     | 88.9        | 48   | 90         | 51 | 89         | 51 | 89         | 51 | 8        | 11       | 11       |
| 4"(100mm)    | 114.3       | 57.5 | 110        | 61 | 114        | 61 | 114        | 61 | 8        | 11       | 11       |

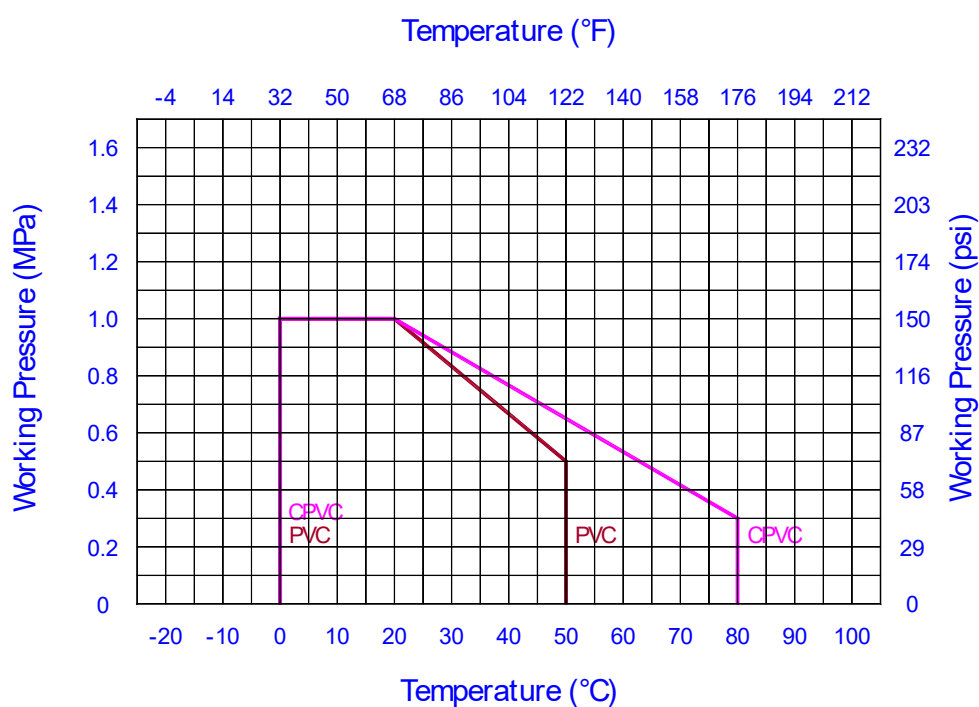
單位 :mm

## ● Technical Information

| 項次<br>Item | 品 名<br>Description         | 尺寸<br>Size   | 材質 Material |            |            |
|------------|----------------------------|--------------|-------------|------------|------------|
|            |                            |              | 主體 Body     | 墊座 Seat    | O 環 O-ring |
| (1)        | True Union Ball Foot Valve | 2-1/2"(DN65) | PVC , CPVC  | EPDM , FPM | EPDM , FPM |
| (2)        | True Union Ball Foot Valve | 3"(DN80)     | PVC , CPVC  | EPDM , FPM | EPDM , FPM |
| (3)        | True Union Ball Foot Valve | 4"(DN100)    | PVC , CPVC  | EPDM , FPM | EPDM , FPM |

| 尺寸<br>Size   | 直式安裝<br>Vertical Installation                           |                                                          |                                          | 壓力測試<br>Hydrostatic test                                 |                                                         | 流量係數 |
|--------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|
|              | 開啟壓力                                                    | 全閉：壓力 / 水位高度                                             |                                          | 爆破壓力                                                     | 1000hrs 持壓                                              | Cv   |
|              | Open pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Close pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Closing:<br>feet of head<br>(water) min. | burst pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | behavior test<br>water(kgf/cm <sup>2</sup> )<br>minimum |      |
| 2-1/2"(DN65) | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 31                                                       | 22                                                      | 196  |
| 3"(DN80)     | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 31                                                       | 22                                                      | 224  |
| 4"(DN100)    | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 31                                                       | 22                                                      | 268  |

## ● 溫度與工作壓力關係 Working pressure vs. Temperature



# 雙由任福特閥 法蘭式

## TRUE UNION BALL FOOT VALVE FLANGED TYPE

★材質：PVC

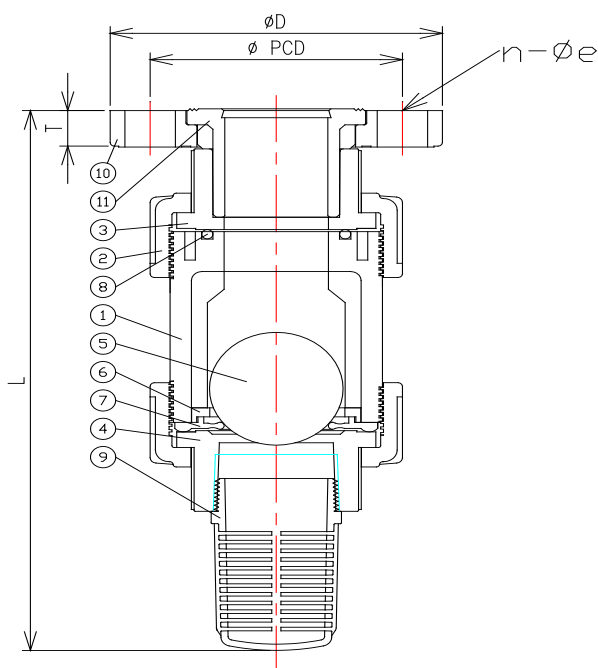
★尺寸：1/2" ~ 2"

★廠牌：SUPERTUNG

★規格：美規 ANSI / 日規 JIS / 歐規 DIN



- 工作壓力 Working pressure : 150 PSI / 73°F
- 法蘭孔為通用規格(美/日/歐)連接設計  
Universal bolt holes suitable for ASTM, JIS, DIN standard
- 濾網為鎖螺牙設計，容易安裝及拆卸清理  
Filter is screw design , easy remove and clean
- 全流量  
Full port design
- 墊座及O環：EPDM or FPM  
Seals : EPDM or FPM



| No | PARTS NAME   | Q'TY | MATERIAL   |
|----|--------------|------|------------|
| 1  | BODY         | 1    | PVC        |
| 2  | NUT          | 2    | PVC        |
| 3  | CONNECTOR    | 1    | PVC        |
| 4  | CONNECTOR-IN | 1    | PVC        |
| 5  | BALL         | 1    | PVC        |
| 6  | RING         | 1    | PVC        |
| 7  | SEAT         | 1    | EPDM , FPM |
| 8  | O-RING       | 1    | EPDM , FPM |
| 9  | FILTER       | 1    | PVC        |
| 10 | FLANGE       | 1    | PVC        |
| 11 | TS-spig      | 1    | PVC        |

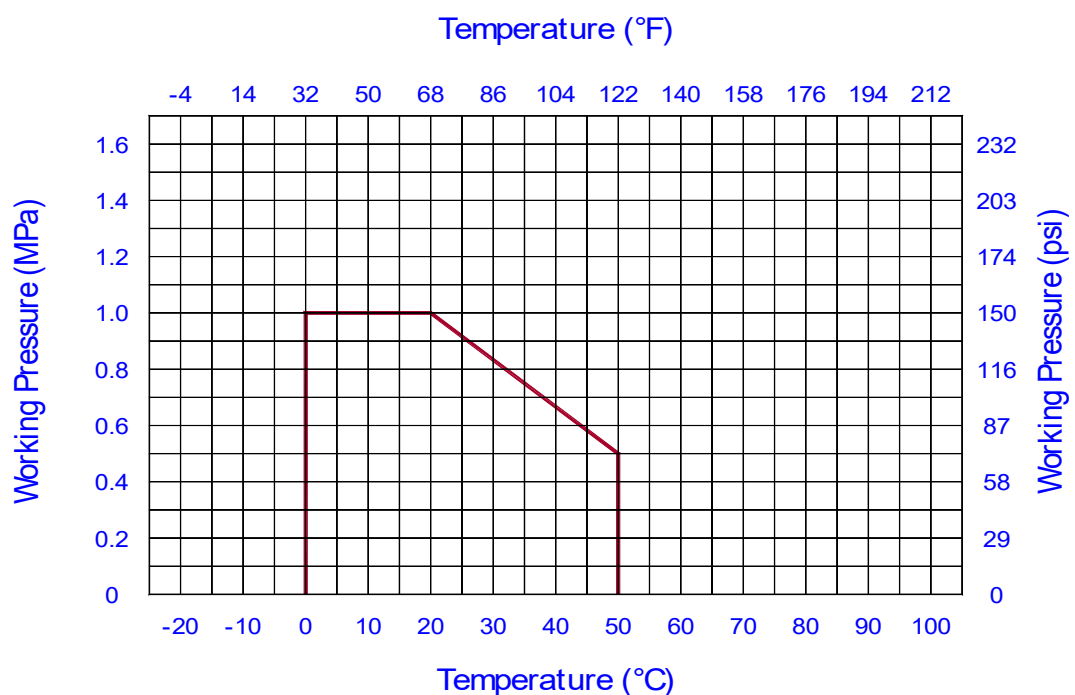
| SIZE         | D   | L   | ANSI |   |    | DIN |   |    | JIS |   |    | T    | 濾網 FILTER |                |
|--------------|-----|-----|------|---|----|-----|---|----|-----|---|----|------|-----------|----------------|
|              |     |     | PCD  | n | e  | PCD | n | e  | PCD | n | e  |      | 寬度 Width  | 流量比 Flow Ratio |
| 1/2"(15mm)   | 95  | 187 | 61   | 4 | 16 | 65  | 4 | 14 | 70  | 4 | 15 | 13.5 | 1.9       | 3.0            |
| 3/4"(20mm)   | 100 | 189 | 70   | 4 | 16 | 75  | 4 | 14 | 75  | 4 | 15 | 14.5 | 1.9       | 2.5            |
| 1"(25mm)     | 118 | 201 | 79   | 4 | 16 | 85  | 4 | 14 | 90  | 4 | 19 | 16.5 | 1.9       | 2.5            |
| 1-1/4"(32mm) | —   | —   | —    | — | —  | —   | — | —  | —   | — | —  | —    | —         | —              |
| 1-1/2"(40mm) | 140 | 266 | 98   | 4 | 16 | 110 | 4 | 18 | 105 | 4 | 19 | 19.5 | 2.0       | 2.1            |
| 2"(50mm)     | 158 | 304 | 121  | 4 | 19 | 125 | 4 | 18 | 120 | 4 | 19 | 21.5 | 2.0       | 1.7            |

## ● Technical Information

| 項次<br>Item | 品名<br>Description                    | 尺寸<br>Size   | 材質 Material |            |            |
|------------|--------------------------------------|--------------|-------------|------------|------------|
|            |                                      |              | 主體 Body     | 墊座 Seat    | O 環 O-ring |
| (1)        | True Union Ball Foot Valve - Flanged | 1/2"(DN15)   | PVC         | EPDM , FPM | EPDM , FPM |
| (2)        | True Union Ball Foot Valve - Flanged | 3/4"(DN20)   | PVC         | EPDM , FPM | EPDM , FPM |
| (3)        | True Union Ball Foot Valve - Flanged | 1"(DN25)     | PVC         | EPDM , FPM | EPDM , FPM |
| (4)        | True Union Ball Foot Valve - Flanged | 1-1/4"(DN32) | —           | —          | —          |
| (5)        | True Union Ball Foot Valve - Flanged | 1-1/2"(DN40) | PVC         | EPDM , FPM | EPDM , FPM |
| (6)        | True Union Ball Foot Valve - Flanged | 2"(DN50)     | PVC         | EPDM , FPM | EPDM , FPM |

| 尺寸<br>Size   | 直式安裝<br>Vertical Installation                           |                                                          |                                          | 壓力測試<br>Hydrostatic test                                 |                                                         | 流量係數 |
|--------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|
|              | 開啟壓力                                                    | 全閉：壓力 / 水位高度                                             |                                          | 爆破壓力                                                     | 1000hrs 持壓                                              | Cv   |
|              | Open pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Close pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Closing:<br>feet of head<br>(water) min. | burst pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | behavior test<br>water(kgf/cm <sup>2</sup> )<br>minimum |      |
| 1/2"(DN15)   | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 8    |
| 3/4"(DN20)   | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 15   |
| 1"(DN25)     | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 29   |
| 1-1/4"(DN32) | —                                                       | —                                                        | —                                        | —                                                        | —                                                       | —    |
| 1-1/2"(DN40) | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 90   |
| 2"(DN50)     | 0.35                                                    | 0.03                                                     | 0.98 feet (30cm)                         | 25                                                       | 15                                                      | 140  |

## ● 溫度與工作壓力關係 Working pressure vs. Temperature



# 雙由任福特閥 法蘭式

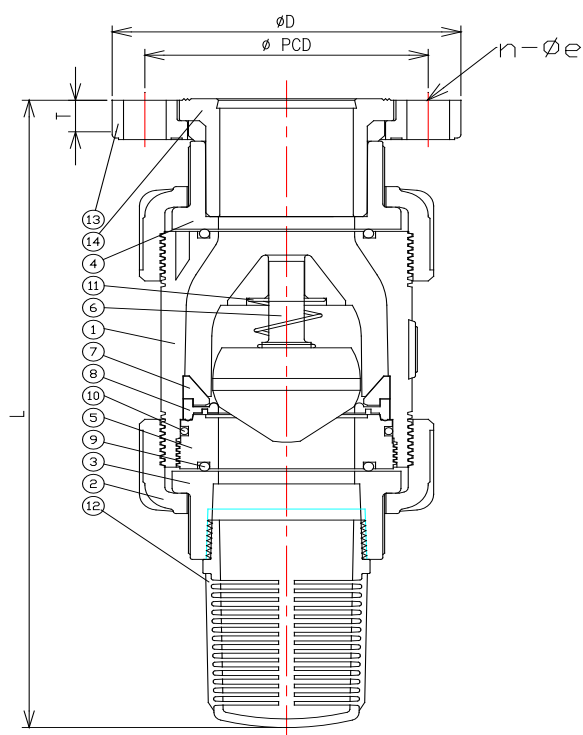
## TRUE UNION BALL FOOT VALVE FLANGED TYPE

★材質：PVC  
★尺寸：3" & 4"

★廠牌：SUPERTUNG  
★規格：美規 ANSI / 日規 JIS / 歐規 DIN



- 工作壓力 Working pressure : 150 PSI / 73°F
- 法蘭孔為通用規格(美/日/歐)連接設計  
Universal bolt holes suitable for ASTM, JIS, DIN standard
- 濾網為鎖螺牙設計，容易安裝及拆卸清理  
Filter is screw design, easy remove and clean
- 全流量 Full port design
- 墊座及O環：EPDM or FPM  
Seals : EPDM or FPM
- 彈簧材質為SUS316L披覆PTFE，耐酸鹼性能佳  
Spring : SUS316L coating PTFE



| No | PARTS NAME | Q'TY | MATERIAL       |
|----|------------|------|----------------|
| 1  | BODY       | 1    | PVC            |
| 2  | NUT        | 2    | PVC            |
| 3  | CONNECTOR  | 1    | PVC            |
| 4  | CONNECTOR  | 1    | PVC            |
| 5  | CARRY      | 1    | PVC            |
| 6  | BALL       | 1    | PVC            |
| 7  | RING       | 1    | PVC            |
| 8  | SEAT       | 1    | EPDM , FPM     |
| 9  | O-RING     | 2    | EPDM , FPM     |
| 10 | O-RING     | 1    | EPDM , FPM     |
| 11 | SPRING     | 1    | SUS316L + PTFE |
| 12 | FILTER     | 1    | PVC            |
| 13 | FLANGE     | 1    | PVC            |
| 14 | TS-spig    | 1    | PVC            |

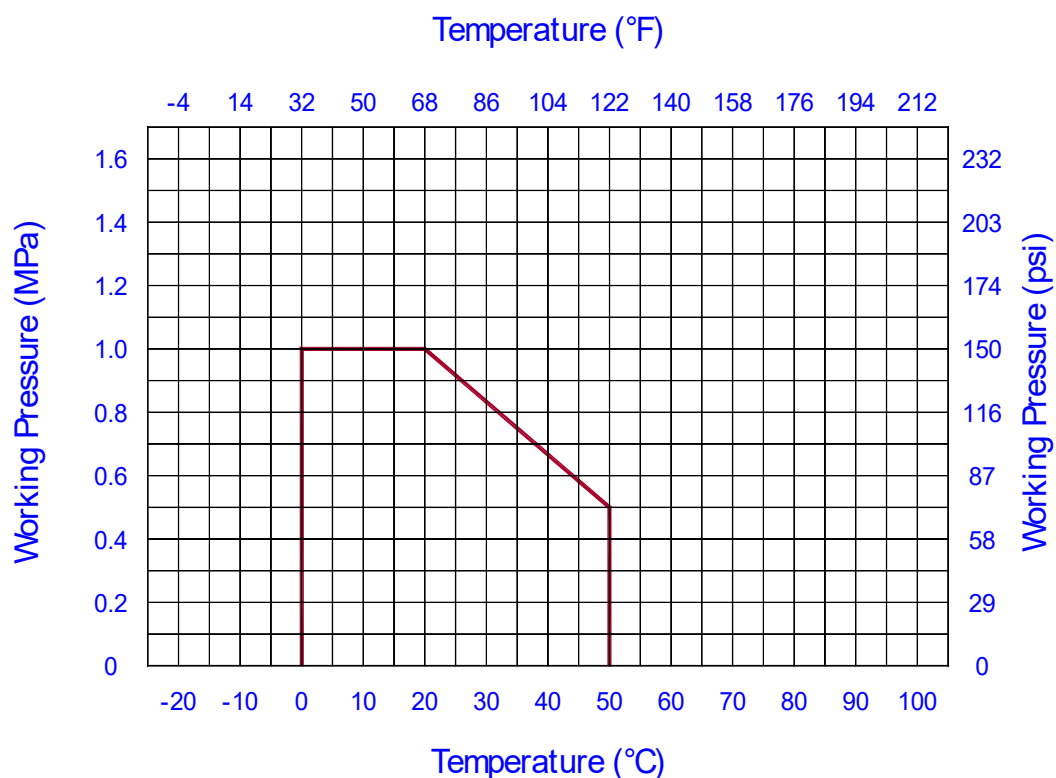
| SIZE      | D   | L   | ANSI |   |    | DIN |   |    | JIS |   |    | T  | 濾網<br>FILTER |                   |
|-----------|-----|-----|------|---|----|-----|---|----|-----|---|----|----|--------------|-------------------|
|           |     |     | PCD  | n | e  | PCD | n | e  | PCD | n | e  |    | 寬度<br>Width  | 流量比<br>Flow Ratio |
| 3"(80mm)  | 192 | 399 | 152  | 4 | 19 | 160 | 8 | 18 | 150 | 8 | 19 | 26 | 2.3          | 1.6               |
| 4"(100mm) | 230 | 457 | 191  | 8 | 19 | 180 | 8 | 18 | 175 | 8 | 19 | 29 | 2.3          | 1.5               |

## ● Technical Information

| 項次<br>Item | 品 名<br>Description                   | 尺寸<br>Size | 材質 Material |            |            |
|------------|--------------------------------------|------------|-------------|------------|------------|
|            |                                      |            | 主體 Body     | 墊座 Seat    | O 環 O-ring |
| (1)        | True Union Ball Foot Valve - Flanged | 3"(DN80)   | PVC         | EPDM , FPM | EPDM , FPM |
| (2)        | True Union Ball Foot Valve - Flanged | 4"(DN100)  | PVC         | EPDM , FPM | EPDM , FPM |

| 尺寸<br>Size | 直式安裝<br>Vertical Installation                           |                                                          |                                          | 壓力測試<br>Hydrostatic test                                 |                                                         | 流量係數 |
|------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|------|
|            | 開啟壓力                                                    | 全閉：壓力 / 水位高度                                             |                                          | 爆破壓力                                                     | 1000hrs 持壓                                              | Cv   |
|            | Open pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Close pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | Closing:<br>feet of head<br>(water) min. | burst pressure<br>water(kgf/cm <sup>2</sup> )<br>minimum | behavior test<br>water(kgf/cm <sup>2</sup> )<br>minimum |      |
| 3"(DN80)   | 0.35                                                    | 0.02                                                     | 0.66 feet (20cm)                         | 31                                                       | 22                                                      | 224  |
| 4"(DN100)  | 0.35                                                    | 0.02                                                     | 0.66 feet (20cm)                         | 31                                                       | 22                                                      | 268  |

## ● 溫度與工作壓力關係 Working pressure vs. Temperature



# 濾網 福特閥用

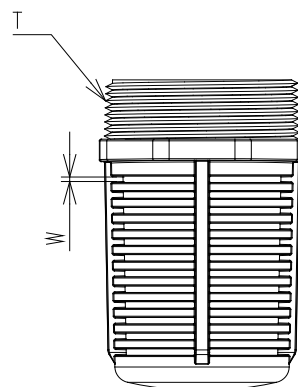
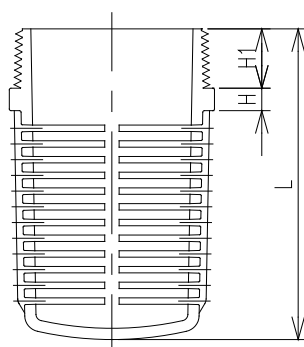
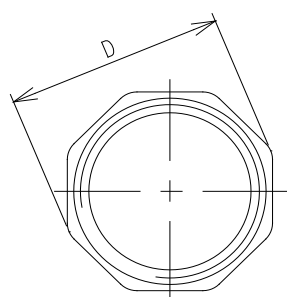
## FILTER FOR TRUE UNION BALL FOOT VALVE

★材質：PVC & CPVC & PPG

★尺寸：3/4" ~ 4"



- 工作壓力 Working pressure : 150 PSI / 73°F
- 全流量 Full port design
- 濾網為鎖螺牙設計，容易安裝及拆卸清理  
Filter is screw design , easy remove and clean
- 材質 Material : PVC , CPVC , PPG



| SIZE         | D   | L   | H1   | H  | W 寬度  | T 螺牙規格          | 流量比值       |
|--------------|-----|-----|------|----|-------|-----------------|------------|
|              |     |     |      |    | Width | Thread          | Flow Ratio |
| 3/4"(20mm)   | 30  | 63  | 13.5 | 6  | 1.9   | NPT 美牙, BSPT 日牙 | 2.5        |
| 1"(25mm)     | 38  | 74  | 13.5 | 6  | 1.9   | NPT 美牙, BSPT 日牙 | 2.5        |
| 1-1/4"(32mm) | 47  | 79  | 15   | 6  | 2     | NPT 美牙, BSPT 日牙 | 2.2        |
| 1-1/2"(40mm) | 54  | 96  | 18.5 | 6  | 2     | NPT 美牙, BSPT 日牙 | 2.1        |
| 2"(50mm)     | 66  | 97  | 18.5 | 7  | 2     | NPT 美牙, BSPT 日牙 | 1.7        |
| 3"(80mm)     | 97  | 132 | 25   | 9  | 2.3   | NPT 美牙          | 1.6        |
| 4"(100mm)    | 125 | 142 | 27   | 10 | 2.3   | NPT 美牙          | 1.5        |