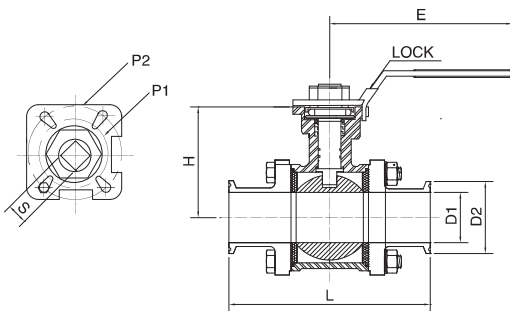


**SV-01(D)** Sanitary 2-Way Ball Valve (ISO Pad)**■Features**

- Clamp Ends, Body : SS316(CF8M), SS316L(CF3M)
- Seat : TFM-1600 (-40 to +180°C)
- Inside Polish  $\leq$  Ra 0.4, Grit 240g(Ra 14~18 $\mu$ -in)
- ISO5211 Direct Mounting Pad
- With Locking Handle
- \* Option : Butt Weld Ends, Cavity Filled Seat

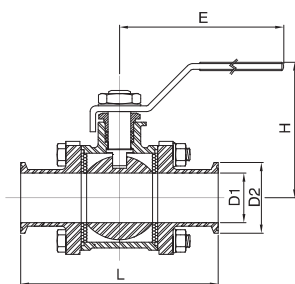


Unit:mm

| Size             | L $\pm$ 2.0 | D1 $\pm$ 0.1 | D2   | H     | P1  | P2  | S $\pm$ 1.0 | E   | Nm  | WT(Kg) |
|------------------|-------------|--------------|------|-------|-----|-----|-------------|-----|-----|--------|
| 1/2 <sup>S</sup> | 89          | 9.5          | 25.4 | 37    | 36  | 42  | 9           | 143 | 10  | 0.54   |
| 3/4 <sup>S</sup> | 101         | 15.9         | 25.4 | 47    | 36  | 42  | 9           | 143 | 11  | 0.75   |
| 1 <sup>S</sup>   | 114         | 22.2         | 50.5 | 57.2  | 42  | 50  | 11          | 160 | 14  | 1.2    |
| 1.5 <sup>S</sup> | 140         | 35           | 50.5 | 78.2  | 50  | 70  | 14          | 187 | 27  | 2.5    |
| 2 <sup>S</sup>   | 156         | 47.6         | 64   | 86.2  | 50  | 70  | 14          | 187 | 54  | 3.4    |
| 2.5 <sup>S</sup> | 197         | 60.3         | 77.5 | 109.2 | 70  | 102 | 17          | 310 | 74  | 8.4    |
| 3 <sup>S</sup>   | 229         | 73           | 91   | 117.7 | 70  | 102 | 17          | 310 | 130 | 11.3   |
| 4 <sup>S</sup>   | 241         | 97.4         | 119  | 141.2 | 102 | 125 | 22          | 400 | 158 | 19.9   |

**SV-01(M)** Sanitary 2-Way Ball Valve**■Features**

- Clamp Ends, Body : SS316(CF8M), SS316L(CF3M)
- Seat : TFM-1600 (-40 to +180°C)
- Inside Polish  $\leq$  Ra 0.4, Grit 240g(Ra 14~18 $\mu$ -in)
- With Locking Handle
- \* Option : Butt Weld Ends, Cavity Filled Seat



Unit:mm

| Size             | L $\pm$ 2.0 | D1 $\pm$ 0.1 | D2   | H   | E   | WT(Kg) |
|------------------|-------------|--------------|------|-----|-----|--------|
| 1/2 <sup>S</sup> | 89          | 9.5          | 25.4 | 61  | 106 | 0.4    |
| 3/4 <sup>S</sup> | 101         | 15.9         | 25.4 | 64  | 106 | 0.6    |
| 1 <sup>S</sup>   | 114         | 22.2         | 50.5 | 68  | 130 | 1.2    |
| 1.5 <sup>S</sup> | 140         | 35           | 50.5 | 95  | 193 | 2.4    |
| 2 <sup>S</sup>   | 156         | 47.6         | 64   | 100 | 193 | 3.7    |
| 2.5 <sup>S</sup> | 197         | 60.3         | 77.5 | 140 | 263 | 7.1    |
| 3.0 <sup>S</sup> | 229         | 73           | 91   | 155 | 263 |        |
| 4.0 <sup>S</sup> | 241         | 97.4         | 119  | 180 | 285 |        |

## SV-02 Sanitary 3-Way Ball Valve

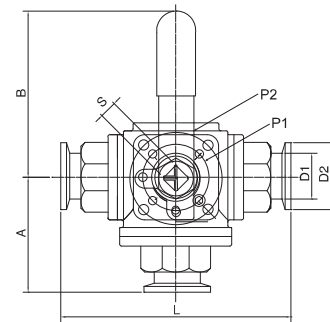
### ■Features

- Clamp Ends, L or T-Position
- Body : SS316(CF8M), SS316L(CF3M)
- Seat : TFM-1600 (-40 to +180°C) : 3M
- Inside polish standard grit (Ra 18~23 $\mu$ m)
- ISO5211 Direct Mounting Pad
- With Lever Handle

\* Option : Cavity Filled Seat  
180° Operated Stop Plate  
PTFE/PFA Coating(40~70 $\mu$ m)

Unit:mm

| Size             | L   | D1   | D2   | A    | B   | P1 | P2 | S  | TORQUE(N,m) | WT(Kg) |      |
|------------------|-----|------|------|------|-----|----|----|----|-------------|--------|------|
| 1/2 <sup>s</sup> | 133 | 9.6  | 25.4 | 66.5 | 130 | 36 | 42 | 9  | 1/2         | 12     | 0.91 |
| 3/4 <sup>s</sup> | 142 | 15.8 | 25.4 | 70   | 130 | 36 | 42 | 9  | 3/4         | 12     | 1.02 |
| 1 <sup>s</sup>   | 160 | 22.1 | 50.5 | 80   | 165 | 42 | 50 | 11 | 1           | 18     | 1.94 |
| 1.5 <sup>s</sup> | 182 | 34.8 | 50.5 | 91   | 205 | 50 | 70 | 14 | 1.5         | 60     | 3.82 |
| 2 <sup>s</sup>   | 216 | 47.5 | 64   | 108  | 205 | 50 | 70 | 14 | 2           | 75     | 6.38 |



## SV-03 Sanitary 3-Way Ball Valve

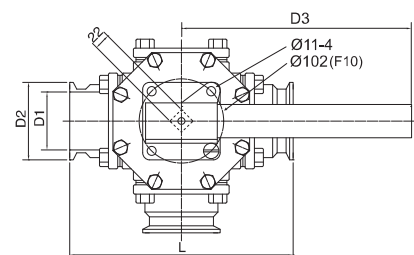
### ■Features

- Clamp Ends, L or T-Position, Bolted End Caps
- Body : SS316(CF8M), SS316L(CF3M)
- Seat : TFM-1600 (-40 to +180°C) : 3M
- Inside polish standard grit (Ra 18~23 $\mu$ m)
- ISO5211 Direct Mounting Pad with Lever Handle

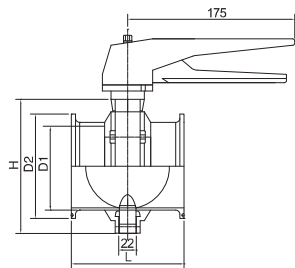
\* Option : Cavity Filled Seat  
180° Operated Stop Plate  
PTFE/PFA Coating(40~70 $\mu$ m)  
ASME/BPE Standard for SS316L  
Low Ferrite (<3%)  
Low Sulphur(0.005% to 0.017%)

Unit:mm

| Size               | L     | D1   | D2   | D3  | WT(Kg) |        | TORQUE(N.m) |
|--------------------|-------|------|------|-----|--------|--------|-------------|
|                    |       |      |      |     | L-port | T-port |             |
| 2.1/2 <sup>S</sup> | 241.3 | 60.2 | 77.5 | 400 | 20.3   | 19.8   | 261.6       |
| 3 <sup>S</sup>     | 279.4 | 72.9 | 91   | 500 | 26.4   | 25.0   | 300.1       |
| 4 <sup>S</sup>     | 330.2 | 97.4 | 119  | 600 | 47.6   | 45.6   | 384.8       |



## SV-04 Sanitary Butterfly Valve



### ■Features

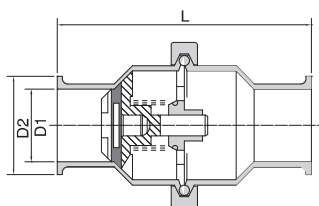
- Clamp Ends
- Body & Disc : SS304 & 316L
- Seat : Silicone
- 12 Position in the fully open to fully closed
- With Gripper Handle

\* Option : Male & Butt Weld Ends,  
Stainless Steel Lever  
Special Silicone Seat (Max. 250°C)

Unit:mm

| Size             | L   | D1   | D2   | H   | WT(Kg) | TORQUE(N.m) |
|------------------|-----|------|------|-----|--------|-------------|
| 1 <sup>s</sup>   | 100 | 22.5 | 50.5 | 76  | 11     | 8           |
| 1.5 <sup>s</sup> | 100 | 35.8 | 50.5 | 92  | 1.1    | 10          |
| 2 <sup>s</sup>   | 100 | 47.5 | 64   | 105 | 1.7    | 12          |
| 2.5 <sup>s</sup> | 100 | 60   | 77.5 | 123 | 1.8    | 22          |
| 3 <sup>s</sup>   | 100 | 72   | 91   | 146 | 2.2    | 26          |
| 4 <sup>s</sup>   | 120 | 97   | 119  | 170 | 3.8    | 40          |

## SV-05 Sanitary Check Valve



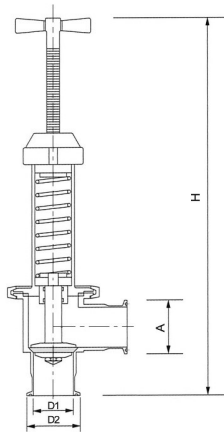
### ■Features

- Clamp Ends
- Body: SS304
- Disc Gasket : Silicone

Unit:mm

| Size             | L   | D1    | D2   |
|------------------|-----|-------|------|
| 1 <sup>s</sup>   | 130 | 25.7  | 50.5 |
| 1.5 <sup>s</sup> | 137 | 38.4  | 50.5 |
| 2 <sup>s</sup>   | 165 | 51.1  | 64   |
| 2.5 <sup>s</sup> | 195 | 63.8  | 77.5 |
| 3 <sup>s</sup>   | 200 | 76.6  | 91   |
| 4 <sup>s</sup>   | 240 | 101.9 | 119  |

## SV-06 Sanitary Relief Valve



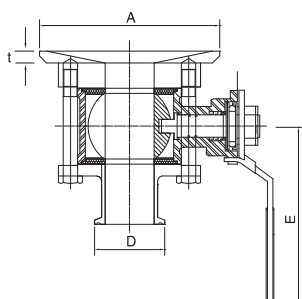
### ■Features

- Clamp Ends
- Body:SS304)

Unit:mm

| Size             | D1    | D2   | A   | H     |
|------------------|-------|------|-----|-------|
| 1.5 <sup>s</sup> | 38.1  | 50.5 | 70  | 338.5 |
| 2 <sup>s</sup>   | 50.8  | 64   | 82  | 364.5 |
| 2.5 <sup>s</sup> | 63.5  | 77.5 | 105 | 405   |
| 3 <sup>s</sup>   | 76.3  | 91   | 110 | 430.5 |
| 4 <sup>s</sup>   | 101.9 | 119  | -   | -     |

## SV-07 Tank Flush Ball Valve



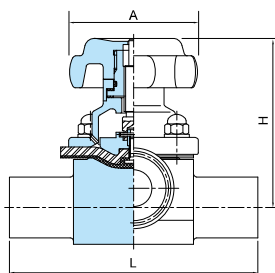
### ■Features

- Clamp End / Welding Plate
- Body : SS316 (CF8M)
- Seat : TFM-1600 (-40 to +180°C)
- with Locking Handle
- \* Option : Cavity Filled Seat

Unit:mm

| Size             | A   | D    | E   | t  |
|------------------|-----|------|-----|----|
| 1/2 <sup>s</sup> | 60  | 25.4 | 143 | 20 |
| 3/4 <sup>s</sup> | 80  | 25.4 | 143 | 20 |
| 1 <sup>s</sup>   | 80  | 25.4 | 160 | 20 |
| 1.5 <sup>s</sup> | 120 | 50.5 | 187 | 20 |
| 2 <sup>s</sup>   | 150 | 64   | 187 | 20 |
| 2.5 <sup>s</sup> | 170 | 77.5 | 310 | 20 |
| 3 <sup>s</sup>   | 200 | 91   | 310 | 20 |
| 4 <sup>s</sup>   | 200 | 119  | 400 | 20 |

## SV-08 Diaphragm Valve



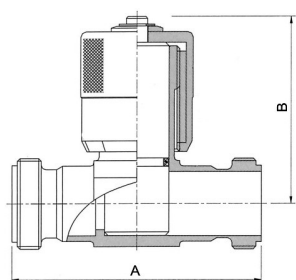
### ■Features

- Size ISO 1/2<sup>s</sup>~2<sup>s</sup>
- Connection : Weld, Clamp Ends
- Material Body : Forging STS316L  
Bonnet : Casting STS304  
Handwheel : M.C Nylon, STS304
- Diaphragm TFM - FDA, Single  
TFM - FDA, Two piece  
CFR21 Section 177.1550
- Surface Treatment Internal Ra ≤ 0.4μm
- Other : Electrolytic Polishing
- Working Temperature -5°C~150°C
- Working Pressure 6kg/cm<sup>2</sup>

Unit:mm

| Size             | L   | A   | H   |
|------------------|-----|-----|-----|
| 1/2 <sup>s</sup> | 60  | 34  | 49  |
| 3/4 <sup>s</sup> | 80  | 43  | 74  |
| 1 <sup>s</sup>   | 115 | 80  | 93  |
| 1.5 <sup>s</sup> | 140 | 95  | 121 |
| 2 <sup>s</sup>   | 160 | 110 | 145 |
| 2.5 <sup>s</sup> | 215 | 200 | 188 |
| 3 <sup>s</sup>   | 222 | 200 | 194 |
| 4 <sup>s</sup>   | 300 | 250 | 230 |

## SV-09 Micro Valve



### ■Features

- Material : SS304, 316, 316L
- Seal : PTFE, Silicone, NBR
- Surface Roughness : Grit 320 to 400

Unit:mm

| Size             | A   | B     |
|------------------|-----|-------|
| 1 <sup>s</sup>   | 110 | 87    |
| 1.5 <sup>s</sup> | 140 | 140.5 |
| 2 <sup>s</sup>   | 164 | 130   |
| 2.5 <sup>s</sup> | 210 | 162   |
| 3 <sup>s</sup>   | 220 | 189   |

# Sanitary Valve (Automatic)

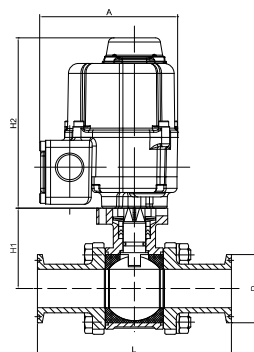
6

Sanitary Valve  
(Automatic)

| Model         | Item                               |
|---------------|------------------------------------|
| <b>SVE-14</b> | Electric Sanitary 2 Way Ball Valve |
| <b>SVE-15</b> | Electric Sanitary 3 Way Ball Valve |
| <b>SVE-16</b> | Electric Sanitary Butterfly Valve  |

**SVE-14** Electric 2-Way Sanitary Ball Valve

\* Option : Modulating Controller(4 to 20mA, 0 to 10VDC)



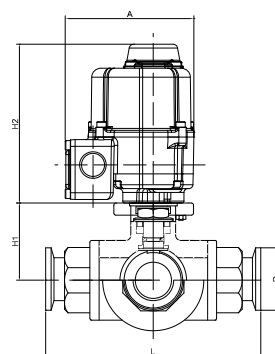
- Power : 110/220VAC, 1PH, 24VDC (DE-002~DE-010)  
110/220VAC, 1PH, 380/440VAC 3PH, 24VDC (DE-016~DE-028)

Unit:mm

| Size             | L   | D    | Actuator | A     | H1    | H2    | TORQUE |       |
|------------------|-----|------|----------|-------|-------|-------|--------|-------|
|                  |     |      |          |       |       |       | N.m    | Kg.m  |
| 1/2 <sup>S</sup> | 89  | 25.4 | DE-002   | 105.3 | 37    | 104.2 | 10     | 1.02  |
| 3/4 <sup>S</sup> | 101 | 25.4 | DE-002   | 105.3 | 47    | 104.2 | 11     | 1.12  |
| 1 <sup>S</sup>   | 114 | 50.5 | DE-002   | 105.3 | 57.2  | 104.2 | 14     | 1.43  |
| 1.5 <sup>S</sup> | 140 | 50.5 | DE-004   | 116.5 | 78.2  | 123.8 | 27     | 2.75  |
| 2 <sup>S</sup>   | 156 | 64   | DE-008   | 125.3 | 86.2  | 155.5 | 54     | 5.51  |
| 2.5 <sup>S</sup> | 197 | 77.5 | DE-010   | 163.4 | 109.2 | 132.5 | 74     | 7.55  |
| 3 <sup>S</sup>   | 229 | 91   | DE-016   | 170.5 | 116.2 | 190   | 130    | 13.26 |
| 4 <sup>S</sup>   | 241 | 119  | DE-028   | 208.9 | 133.5 | 208   | 158    | 16.12 |

**SVE-15** Electric 3-Way Sanitary Ball Valve

\* Option : Modulating Controller(4 to 20mA, 0 to 10VDC)



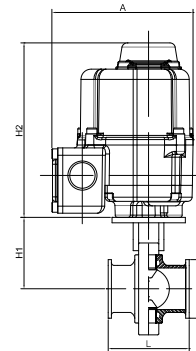
- Power : 110/220VAC, 1PH, 24VDC (DE-002~DE-008)

Unit:mm

| Size             | L   | D    | Actuator | A     | H1   | H2    | TORQUE |      |
|------------------|-----|------|----------|-------|------|-------|--------|------|
|                  |     |      |          |       |      |       | N.m    | Kg.m |
| 1/2 <sup>S</sup> | 133 | 25.4 | DE-002   | 105.3 | 37.5 | 104   | 12     | 1.2  |
| 3/4 <sup>S</sup> | 142 | 25.4 | DE-002   | 105.3 | 37.5 | 104   | 12     | 1.2  |
| 1 <sup>S</sup>   | 160 | 50.5 | DE-002   | 105.3 | 49   | 104   | 18     | 1.8  |
| 1.5 <sup>S</sup> | 182 | 50.5 | DE-006   | 122   | 63   | 134.5 | 60     | 6.1  |
| 2 <sup>S</sup>   | 216 | 64   | DE-008   | 125.3 | 74   | 155.5 | 75     | 7.7  |

## SVE-16 Electric 2-Way Sanitary Butterfly Valve

\* Option : Modulating Controller(4 to 20mA, 0 to 10VDC)



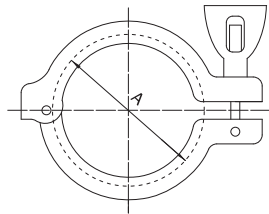
● Power : 110/220VAC, 1PH, 24VDC (DE-002~DE-008)

Unit:mm

| Size             | L   | D    | Actuator | A     | H1  | H2    | TORQUE |      |
|------------------|-----|------|----------|-------|-----|-------|--------|------|
|                  |     |      |          |       |     |       | N.m    | Kg.m |
| 1 <sup>s</sup>   | 100 | 50,5 | DE-002   | 105,3 | 76  | 104   | 8      | 0,8  |
| 1,5 <sup>s</sup> | 100 | 50,5 | DE-002   | 105,3 | 92  | 104   | 10     | 1,0  |
| 2 <sup>s</sup>   | 100 | 64   | DE-002   | 105,3 | 105 | 104   | 12     | 1,2  |
| 2,5 <sup>s</sup> | 100 | 77,5 | DE-004   | 116,5 | 123 | 123,8 | 22     | 2,2  |
| 3 <sup>s</sup>   | 100 | 91   | DE-005   | 123,1 | 146 | 126,4 | 26     | 2,7  |
| 4 <sup>s</sup>   | 120 | 119  | DE-008   | 125,3 | 170 | 155,5 | 40     | 4,1  |

**SF-01** Heavy Duty Clamp (2-Segment)

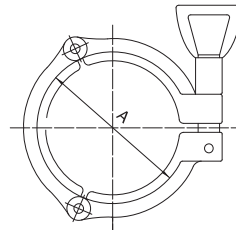
Unit:mm



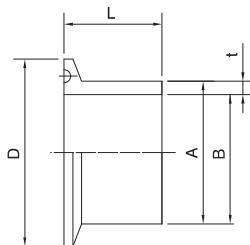
| Size             | A     | WT(Kg) |
|------------------|-------|--------|
| 1/2 <sup>s</sup> | 28.6  | 0.12   |
| 3/4 <sup>s</sup> | 28.6  | 0.12   |
| 1 <sup>s</sup>   | 53.9  | 0.26   |
| 1.5 <sup>s</sup> | 53.9  | 0.26   |
| 2 <sup>s</sup>   | 67.4  | 0.31   |
| 2.5 <sup>s</sup> | 80.9  | 0.38   |
| 3 <sup>s</sup>   | 94.4  | 0.38   |
| 3.5 <sup>s</sup> | 109.2 | 0.47   |
| 4 <sup>s</sup>   | 122.4 | 0.53   |

**SF-02** Heavy Duty Clamp (3-Segment)

Unit:mm



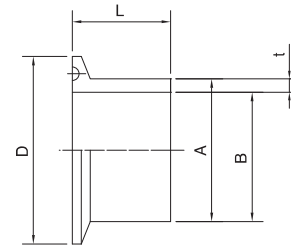
| Size             | A     | WT(Kg) |
|------------------|-------|--------|
| 1 <sup>s</sup>   | 53.9  | 0.24   |
| 1.5 <sup>s</sup> | 53.9  | 0.24   |
| 2 <sup>s</sup>   | 67.4  | 0.29   |
| 2.5 <sup>s</sup> | 80.9  | 0.32   |
| 3 <sup>s</sup>   | 94.4  | 0.37   |
| 3.5 <sup>s</sup> | 109.2 | 0.50   |
| 4 <sup>s</sup>   | 122.4 | 0.54   |
| 4.5 <sup>s</sup> | 133.2 | 0.66   |
| 5 <sup>s</sup>   | 171   | 1.04   |
| 6 <sup>s</sup>   | 193   | 1.10   |
| 8 <sup>s</sup>   | 248   | 1.70   |
| 10 <sup>s</sup>  | 310   | 3.10   |
| 12 <sup>s</sup>  | 363   | 3.60   |

**SF-03** Ferrule (Welding)

| Size             | L          | A     | B     | D     | t    | WT(g)      |
|------------------|------------|-------|-------|-------|------|------------|
| 1/2 <sup>s</sup> | 12.7(28.6) | 12.7  | 10.2  | 25    | 1.24 | 16.5(21)   |
| 3/4 <sup>s</sup> | 12.7(28.6) | 19.05 | 16.6  | 25    | 1.65 | 14.0(25.5) |
| 1 <sup>s</sup>   | 20         | 25.4  | 23    | 50.5  | 1.2  | 65         |
| 1.5 <sup>s</sup> | 20         | 38.1  | 35.7  | 50.5  | 1.2  | 45         |
| 2 <sup>s</sup>   | 22         | 50.8  | 47.8  | 64    | 1.5  | 80         |
| 2.5 <sup>s</sup> | 26         | 63.5  | 60.5  | 77.5  | 1.5  | 110        |
| 3 <sup>s</sup>   | 28         | 76.3  | 72.3  | 91    | 2    | 170        |
| 3.5 <sup>s</sup> | 28         | 89.1  | 83.1  | 106   | 3    | 250        |
| 4 <sup>s</sup>   | 28         | 101.6 | 97.6  | 119   | 2    | 250        |
| 4.5 <sup>s</sup> | 28         | 114.3 | 108.3 | 130   | 3    | 330        |
| 5 <sup>s</sup>   | 30         | 139.8 | 133.8 | 163.5 | 3    | 640        |
| 6 <sup>s</sup>   | 30         | 165.2 | 159.2 | 185   | 3    | 700        |
| 8 <sup>s</sup>   | 30         | 216.3 | 210.3 | 240   | 3    | 900        |
| 10 <sup>s</sup>  | 40         | 267.4 | 259.4 | 296   | 4    | 1800       |
| 12 <sup>s</sup>  | 40         | 318.5 | 309.5 | 350   | 4.5  | 2200       |

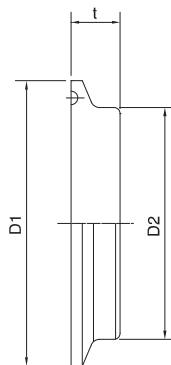
\* Option : 1/2<sup>s</sup>, 3/4<sup>s</sup> = able to L=21.5

## SF-04 Ferrule (Expanding)



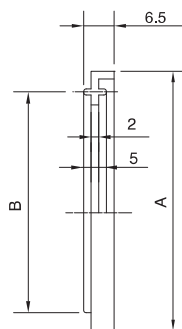
| Size             | L  | A     | B     | D    | t   | WT(g) |
|------------------|----|-------|-------|------|-----|-------|
| 1 <sup>s</sup>   | 20 | 29.5  | 25.7  | 50.5 | 2   | 70    |
| 1.5 <sup>s</sup> | 20 | 42.5  | 38.4  | 50.5 | 2   | 55    |
| 2 <sup>s</sup>   | 22 | 56    | 51.1  | 64   | 2.5 | 89    |
| 2.5 <sup>s</sup> | 22 | 69    | 63.8  | 77.5 | 2.5 | 124   |
| 3 <sup>s</sup>   | 22 | 82    | 76.6  | 91   | 2.7 | 178   |
| 4 <sup>s</sup>   | 22 | 101.6 | 101.9 | 119  | 2.5 | 232   |

## SF-05 Blank Ferrule



| Size             | D1    | D2    | t  | WT(g) |
|------------------|-------|-------|----|-------|
| 1/2 <sup>s</sup> | 25.4  | 19.1  | 5  | 15    |
| 3/4 <sup>s</sup> | 25.4  | 19.1  | 5  | 15    |
| 1 <sup>s</sup>   | 50.5  | 38.1  | 8  | 110   |
| 1.5 <sup>s</sup> | 50.5  | 38.1  | 8  | 110   |
| 2 <sup>s</sup>   | 64    | 50.8  | 8  | 180   |
| 2.5 <sup>s</sup> | 77.5  | 63.5  | 8  | 285   |
| 3 <sup>s</sup>   | 91    | 76.3  | 8  | 460   |
| 3.5 <sup>s</sup> | 106   | 89.1  | 8  | 515   |
| 4 <sup>s</sup>   | 119   | 101.6 | 8  | 830   |
| 4.5 <sup>s</sup> | 130   | 114.3 | 11 | 920   |
| 5 <sup>s</sup>   | 163.5 | 139.8 | 11 | 1600  |
| 6 <sup>s</sup>   | 185   | 165.2 | 11 | 2100  |
| 8 <sup>s</sup>   | 240   | 216.3 | 11 | 3400  |
| 10 <sup>s</sup>  | 296   | 273   | 11 | 5900  |
| 12 <sup>s</sup>  | 350   | 324   | 11 | 7900  |

## SF-06 Ferrule Gasket : Silicone(Shinetsu), Viton : FKM 볼소고무(3M Hardness 70)



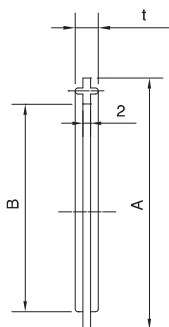
Unit:mm

| Size             | A   | B   | WT(g)    |       |
|------------------|-----|-----|----------|-------|
|                  |     |     | Silicone | Viton |
| 1 <sup>s</sup>   | 52  | 42  | 5.0      | 8.5   |
| 1.5 <sup>s</sup> | 52  | 42  | 4.5      | 6.5   |
| 2 <sup>s</sup>   | 65  | 55  | 5.6      | 9.0   |
| 2.5 <sup>s</sup> | 78  | 68  | 7.5      | 12.0  |
| 3 <sup>s</sup>   | 92  | 82  | 8.5      | 13.5  |
| 4 <sup>s</sup>   | 120 | 108 | 13.0     | 20.5  |

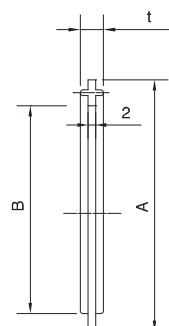
### Curing Time

- Viton : 16 Hours at 230°C
- Silicone : 3 Hours at 200°C

Flange Type

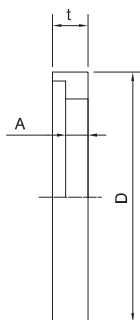
**SF-07** Ferrule Gasket (Silicone, EPDM)

| Size             | A     | B     | t   | WT(g) |
|------------------|-------|-------|-----|-------|
| 1/2 <sup>s</sup> | 21.8  | 10.2  | 4.8 | 1.0   |
| 3/4 <sup>s</sup> | 21.8  | 16.6  | 4.8 | 1.0   |
| 1 <sup>s</sup>   | 50.5  | 23    | 4.2 | 5.5   |
| 1.5 <sup>s</sup> | 50.5  | 35.7  | 4.2 | 4.5   |
| 2 <sup>s</sup>   | 64    | 47.8  | 4.2 | 6.5   |
| 2.5 <sup>s</sup> | 77.5  | 60.5  | 4.2 | 7.5   |
| 3 <sup>s</sup>   | 91    | 72.3  | 4.2 | 9.0   |
| 3.5 <sup>s</sup> | 104.5 | 83.1  | 4.2 | 10.0  |
| 4 <sup>s</sup>   | 119   | 97.6  | 4.2 | 14.5  |
| 4.5 <sup>s</sup> | 130   | 108.6 | 4.2 | 12.5  |
| 5 <sup>s</sup>   | 163.5 | 133.8 | 5.2 | 20    |
| 6 <sup>s</sup>   | 185   | 159.2 | 5.2 | 23.5  |
| 8 <sup>s</sup>   | 240   | 210.3 | 6.0 | 40.0  |
| 10 <sup>s</sup>  | 310   | 270   | 5.5 | 60    |
| 12 <sup>s</sup>  | 350   | 310.5 | 6.0 | 80.5  |

**SF-08** Sealing Gasket (Teflon)

Unit:mm

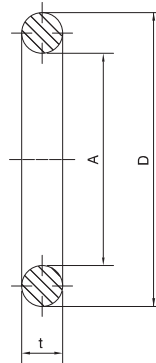
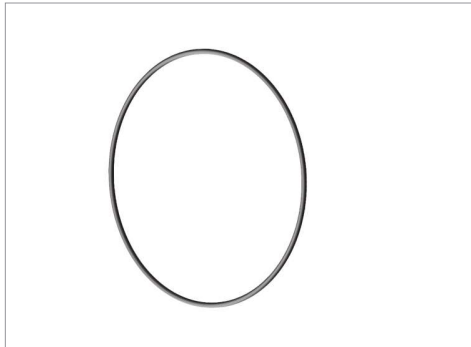
| Size             | A     | B     | t   | WT(g) |
|------------------|-------|-------|-----|-------|
| 1/2 <sup>s</sup> | 21.8  | 10.2  | 4.5 | 1.5   |
| 3/4 <sup>s</sup> | 21.8  | 16.6  | 4.5 | 1.5   |
| 1 <sup>s</sup>   | 50.5  | 23.2  | 4.8 | 8.0   |
| 1.5 <sup>s</sup> | 50.5  | 35.9  | 4.8 | 6.0   |
| 2 <sup>s</sup>   | 64    | 48    | 4.8 | 8.0   |
| 2.5 <sup>s</sup> | 77.5  | 60.7  | 4.8 | 9.5   |
| 3 <sup>s</sup>   | 91    | 72.5  | 4.8 | 13    |
| 3.5 <sup>s</sup> | 104.5 | 84.5  | 4.8 | 17    |
| 4 <sup>s</sup>   | 119   | 97.8  | 4.8 | 19.5  |
| 4.5 <sup>s</sup> | 130   | 110   | 4.8 | 20    |
| 5 <sup>s</sup>   | 161   | 133.5 | 4.8 | 34.5  |
| 6 <sup>s</sup>   | 183   | 159   | 4.8 | 35    |
| 8 <sup>s</sup>   | 234   | 208   | 4.8 | 59    |
| 10 <sup>s</sup>  | 296   | 259   | 5.0 | 91    |
| 12 <sup>s</sup>  | 350   | 310   | 5.0 | 124.5 |

**SF-09** Hexagon Gasket (Silicone)

Unit:mm

| Size             | D     | A | t | WT(g) |
|------------------|-------|---|---|-------|
| 1 <sup>s</sup>   | 32.5  | 4 | 6 | 2.5   |
| 1.5 <sup>s</sup> | 46    | 4 | 6 | 4.0   |
| 2 <sup>s</sup>   | 59.5  | 4 | 6 | 5.8   |
| 2.5 <sup>s</sup> | 73.2  | 4 | 6 | 8.5   |
| 3 <sup>s</sup>   | 86.2  | 4 | 6 | 10.5  |
| 4 <sup>s</sup>   | 112.5 | 4 | 6 | 15    |

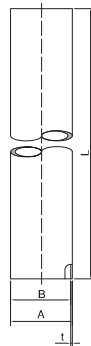
## SF-10 O-Ring (Silicone)



Unit:mm

| Size            | D   | A   | t   | WT(g) |
|-----------------|-----|-----|-----|-------|
| 10 <sup>s</sup> | 282 | 270 | 5.7 | 30    |
| 12 <sup>s</sup> | 331 | 320 | 5.7 | 35    |

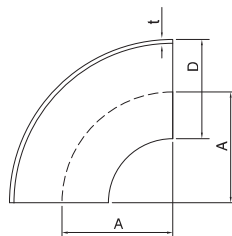
## SF-11 Sanitray Pipe (Stainless Steel 304 & 316L) Weld (Bright Annealed) & Seamless



Unit:mm

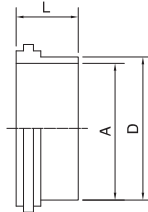
| Size             | L    | A     | B    | t    | WT(g) |       |
|------------------|------|-------|------|------|-------|-------|
|                  |      |       |      |      | 304   | 316L  |
| 1/2 <sup>s</sup> | 6000 | 12,7  | 10,2 | 1,24 | -     | 2,2   |
| 3/4 <sup>s</sup> | 6000 | 19,05 | 16,6 | 1,24 | -     | 3,3   |
| 1 <sup>s</sup>   | 6000 | 25,4  | 23   | 1,2  | 4,34  | 4,37  |
| 1,5 <sup>s</sup> | 6000 | 38,1  | 35,7 | 1,2  | 6,62  | 6,66  |
| 2 <sup>s</sup>   | 6000 | 50,8  | 47,8 | 1,5  | 11,06 | 11,13 |
| 2,5 <sup>s</sup> | 6000 | 63,5  | 60,5 | 1,5  | 13,91 | 14    |
| 3 <sup>s</sup>   | 6000 | 76,3  | 72,3 | 2    | 22,22 | 22,35 |
| 4 <sup>s</sup>   | 6000 | 101,6 | 97,6 | 2    | 29,78 | 29,97 |

## SF-12 90° Short Elbow (Welding)



| Size             | A   | D     | t   | WT(g) |
|------------------|-----|-------|-----|-------|
| 1 <sup>s</sup>   | 35  | 25,4  | 1,2 | 35    |
| 1,5 <sup>s</sup> | 50  | 38,1  | 1,2 | 86    |
| 2 <sup>s</sup>   | 60  | 50,8  | 1,5 | 160   |
| 2,5 <sup>s</sup> | 79  | 63,5  | 1,5 | 270   |
| 3 <sup>s</sup>   | 82  | 76,3  | 2   | 390   |
| 4 <sup>s</sup>   | 132 | 101,6 | 2   | 925   |

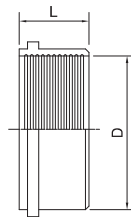
### SF-33 Liner (Welding)



Unit:mm

| Size             | L  | A    | D     | WT(g) |
|------------------|----|------|-------|-------|
| 1 <sup>s</sup>   | 20 | 23   | 25.4  | 40    |
| 1.5 <sup>s</sup> | 20 | 35.7 | 38.1  | 63    |
| 2 <sup>s</sup>   | 22 | 47.8 | 50.8  | 105   |
| 2.5 <sup>s</sup> | 26 | 60.5 | 63.5  | 150   |
| 3 <sup>s</sup>   | 28 | 72.3 | 76.3  | 225   |
| 4 <sup>s</sup>   | 28 | 97.6 | 101.6 | 330   |

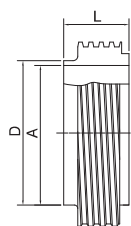
### SF-34 Liner (Expanding)



Unit:mm

| Size             | L  | D    | WT(g) |
|------------------|----|------|-------|
| 1 <sup>s</sup>   | 20 | 25.7 | 35    |
| 1.5 <sup>s</sup> | 20 | 38.4 | 52    |
| 2 <sup>s</sup>   | 22 | 51.1 | 75    |
| 2.5 <sup>s</sup> | 26 | 63.8 | 122   |
| 3 <sup>s</sup>   | 28 | 76.6 | 183   |
| 4 <sup>s</sup>   | 28 | 102  | 290   |

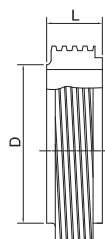
### SF-35 Male (Welding)



Unit:mm

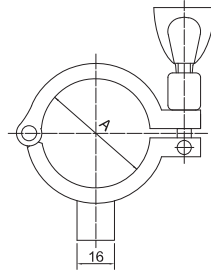
| Size             | L  | A    | D     | WT(g) |
|------------------|----|------|-------|-------|
| 1 <sup>s</sup>   | 20 | 23   | 25.4  | 67    |
| 1.5 <sup>s</sup> | 20 | 35.7 | 38.1  | 95    |
| 2 <sup>s</sup>   | 22 | 47.8 | 50.8  | 173   |
| 2.5 <sup>s</sup> | 26 | 60.5 | 63.5  | 215   |
| 3 <sup>s</sup>   | 28 | 72.3 | 76.3  | 312   |
| 4 <sup>s</sup>   | 28 | 97.6 | 101.6 | 480   |

### SF-36 Male (Expanding)



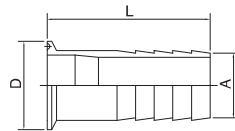
Unit:mm

| Size             | L  | D    | WT(g) |
|------------------|----|------|-------|
| 1 <sup>s</sup>   | 20 | 25.7 | 55    |
| 1.5 <sup>s</sup> | 20 | 38.4 | 85    |
| 2 <sup>s</sup>   | 22 | 51.1 | 140   |
| 2.5 <sup>s</sup> | 26 | 63.8 | 168   |
| 3 <sup>s</sup>   | 28 | 76.6 | 212   |
| 4 <sup>s</sup>   | 28 | 102  | 355   |

**SF-37** Piper Hanger

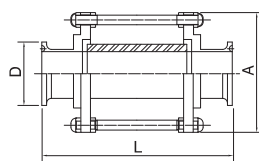
Unit:mm

| Size             | A     | Size | A     |
|------------------|-------|------|-------|
| 1/2 <sup>s</sup> | 12.7  | 15A  | 21.7  |
| 3/4 <sup>s</sup> | 19    | 20A  | 27.2  |
| 1 <sup>s</sup>   | 25.4  | 25A  | 34    |
| 1.5 <sup>s</sup> | 38.1  | 32A  | 42.7  |
| 2 <sup>s</sup>   | 50.8  | 40A  | 48.6  |
| 2.5 <sup>s</sup> | 63.5  | 50A  | 60.5  |
| 3 <sup>s</sup>   | 76.3  | 65A  | 76.3  |
| 4 <sup>s</sup>   | 101.6 | 80A  | 89.1  |
|                  |       | 100A | 114.3 |

**SF-38** Hose Adapter

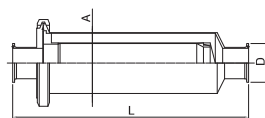
Unit:mm

| Size                     | D     | A     | L   |
|--------------------------|-------|-------|-----|
| 1/2 <sup>s</sup>         | 25    | 12.7  | 50  |
| 3/4 <sup>s</sup>         | 25    | 19    | 50  |
| 1.5 <sup>s</sup> x Ø12.7 | 50.5  | 12.7  | 60  |
| 1.5 <sup>s</sup> x Ø16   | 50.5  | 16    | 60  |
| 1.5 <sup>s</sup> x Ø19   | 50.5  | 19    | 60  |
| 1.5 <sup>s</sup> x Ø25.4 | 50.5  | 25.4  | 100 |
| 1.5 <sup>s</sup> x Ø31.8 | 50.5  | 31.8  | 100 |
| 1.5 <sup>s</sup>         | 50.5  | 38.1  | 100 |
| 2 <sup>s</sup>           | 64    | 50.8  | 100 |
| 2.5 <sup>s</sup>         | 77.5  | 63.5  | 100 |
| 3 <sup>s</sup>           | 91    | 76.3  | 100 |
| 4 <sup>s</sup>           | 101.6 | 101.6 | 120 |

**SF-39** Sight Glass (Ferrule, Male & Socket)

Unit:mm

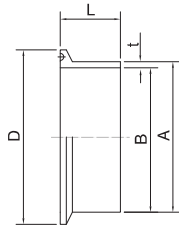
| Size             | L   | A   | D    | WT(Kg) |
|------------------|-----|-----|------|--------|
| 1 <sup>s</sup>   | 170 | 80  | 50.5 | 1.1    |
| 1.5 <sup>s</sup> | 170 | 100 | 50.5 | 1.3    |
| 2 <sup>s</sup>   | 190 | 120 | 64   | 2.0    |
| 2.5 <sup>s</sup> | 190 | 125 | 77.5 | 2.6    |
| 3 <sup>s</sup>   | 240 | 140 | 91   | 3.7    |
| 4 <sup>s</sup>   | 240 | 170 | 119  | 4.9    |

**SF-40** Tube Strainer (SI Type) 200#

Unit:mm

| Size             | L   | A     | D    |
|------------------|-----|-------|------|
| 1 <sup>s</sup>   | 350 | 76.3  | 50.5 |
| 1.5 <sup>s</sup> | 350 | 76.3  | 50.5 |
| 2 <sup>s</sup>   | 400 | 101.6 | 64   |
| 2.5 <sup>s</sup> | 400 | 101.6 | 77.5 |
| 3 <sup>s</sup>   | 450 | 114.3 | 91   |
| 4 <sup>s</sup>   | 500 | 165.2 | 119  |

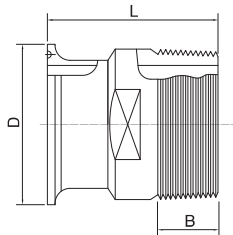
## SF-41 Pipe Ferrule (Welding)



Unit:mm

| Size                    | L  | A     | B     | D     | t   | WT(Kg) |
|-------------------------|----|-------|-------|-------|-----|--------|
| 15A × 1.5 <sup>S</sup>  | 20 | 21.7  | 17.5  | 50.5  | 2.1 | 80     |
| 20A × 1.5 <sup>S</sup>  | 20 | 27.2  | 23    | 50.5  | 2.1 | 75     |
| 25A × 1.5 <sup>S</sup>  | 20 | 34    | 28.4  | 50.5  | 2.8 | 75     |
| 32A × 1.5 <sup>S</sup>  | 20 | 42.7  | 37.1  | 50.5  | 2.8 | 70     |
| 40A × 2 <sup>S</sup>    | 20 | 48.6  | 43    | 64    | 2.8 | 120    |
| 50A × 2.5 <sup>S</sup>  | 26 | 60.5  | 54.9  | 77.5  | 2.8 | 170    |
| 65A × 3 <sup>S</sup>    | 28 | 76.3  | 70.3  | 91    | 3.0 | 220    |
| 80A × 3.5 <sup>S</sup>  | 28 | 89.1  | 83.1  | 104.5 | 3.0 | 252    |
| 100A × 4.5 <sup>S</sup> | 28 | 114.3 | 108.3 | 130   | 3.0 | 356    |

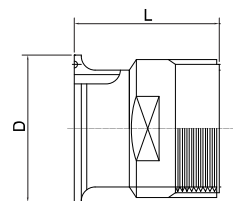
## SF-42 Nipple/ Ferrule Adapter (Male)



Unit:mm

| Size                   | L  | B    | D    |
|------------------------|----|------|------|
| 10A × 1.5 <sup>S</sup> | 35 | 13.5 | 50.5 |
| 15A × 1.5 <sup>S</sup> | 42 | 20.5 | 50.5 |
| 20A × 1.5 <sup>S</sup> | 42 | 21.5 | 50.5 |
| 25A × 1.5 <sup>S</sup> | 42 | 21.5 | 50.5 |
| 32A × 1.5 <sup>S</sup> | 42 | 21.5 | 50.5 |
| 40A × 1.5 <sup>S</sup> | 50 | 22.5 | 50.5 |
| 40A × 2 <sup>S</sup>   | 50 | 22.5 | 64   |
| 50A × 2 <sup>S</sup>   | 50 | 22.5 | 64   |
| 50A × 2.5 <sup>S</sup> | 50 | 22.5 | 77.5 |

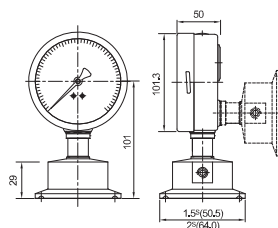
## SF-43 Nipple/ Socket Adapter (Female)



Unit:mm

| Size                   | L  | D    |
|------------------------|----|------|
| 8A × 1.5 <sup>S</sup>  | 20 | 50.5 |
| 10A × 1.5 <sup>S</sup> | 20 | 50.5 |
| 15A × 1.5 <sup>S</sup> | 20 | 50.5 |
| 20A × 1.5 <sup>S</sup> | 20 | 50.5 |
| 25A × 1.5 <sup>S</sup> | 20 | 50.5 |
| 32A × 1.5 <sup>S</sup> | 32 | 50.5 |
| 40A × 1.5 <sup>S</sup> | 34 | 50.5 |
| 40A × 2 <sup>S</sup>   | 34 | 64   |
| 50A × 2 <sup>S</sup>   | 36 | 64   |
| 50A × 2.5 <sup>S</sup> | 36 | 77.5 |

## SF-44 Sanitary Pressure Gage



- Clamp Type(IDF), Diameter 100mm
- Range 0~10BAR, Accuracy : ±1.0% of Full Scale
- Bottom Connection Direct Mounting
- Material Body : SS 316
- Diaphragm : SS316L
- Size : 1.5<sup>S</sup> & 2.0<sup>S</sup>

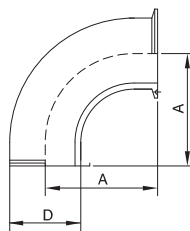
**SF-45** Dip Nozzle

## ■ Features

- Material : SS316L
- Surface Roughness :  $< 0.6 \mu\text{m}$
- Electro Polishing

**SF-46** Multiway Pannel (Custom Made)

| 1 | Pannel      |
|---|-------------|
| 2 | Nozzle      |
| 3 | Swing Bend  |
| 4 | Support Leg |
| 5 | Gasket      |
| 6 | U-Bolt      |
| 7 | Hex Nut     |

**SF-47** 90° Elbow (1-Ferrule)

| Size | D     | K    | L1  | L2  | T   |
|------|-------|------|-----|-----|-----|
| 1"   | 25.4  | 50.5 | 55  | 35  | 1.2 |
| 1.5" | 38.1  | 50.5 | 70  | 50  | 1.2 |
| 2"   | 50.8  | 64   | 82  | 60  | 1.5 |
| 2.5" | 63.5  | 77.5 | 105 | 79  | 1.5 |
| 3"   | 76.2  | 91   | 110 | 82  | 2   |
| 4"   | 101.6 | 119  | 160 | 132 | 2   |