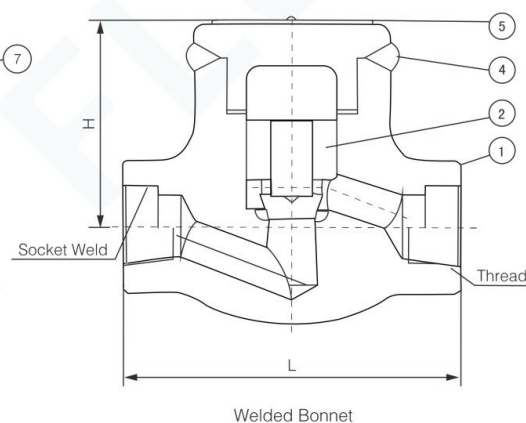
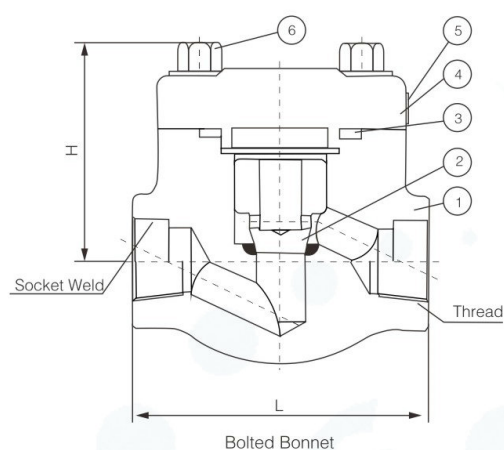




## ■ FORGED STEEL CHECK VALVE

### Design Features

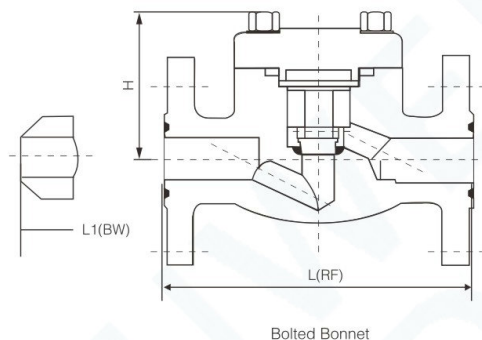
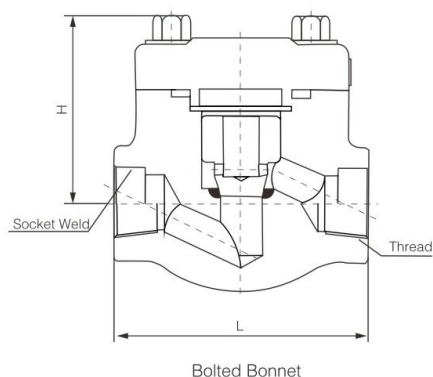
Full port or Reduced port  
Bolted cover/Welded cover/Pressure seal cover  
Socket welded (SW) ends to ASME B16.11  
Screwed ends (NPT) to ASME B1.20.1  
Flanges (RF/RTJ) according to ASME B16.5  
Integral flange or welded flange  
BW ends to ASME B16.25  
Cryogenic forged steel check valve (optional)  
The spherical piston check valve(optional)  
Y–Pattern piston check valve



### Material List

| No. | Part Name   | Cast Steel          | Alloy Steel         | Stainless Steel          |                         |
|-----|-------------|---------------------|---------------------|--------------------------|-------------------------|
| 1   | Body        | A105N+STL.6/Cr13    | A182 F22            | A182 F304(L)             | A182 F316(L)            |
| 2   | Piston Disc | A182 F6a            | A182 F304           | A182 F304(L)             | A182 F316(L)            |
| 3   | Gasket      | SPW SS304+ Graphite | SPW SS304+ Graphite | SPW SS304 (L) + Graphite | SPW SS316(L) + Graphite |
| 4   | Bonnet      | A105N               | A182 F22            | A182 F304(L)             | A276 F316(L)            |
| 5   | Nameplate   | SS304               | SS304               | SS304                    | SS304                   |
| 6   | Bolt        | A193 B7             | F193 B16            | A193 B8(M)               | A193 B8(M)              |
| 7   | Ball        | A182 F6a            | A182 F304           | A182 F304(L)             | A182 F316(L)            |

## FORGED STEEL CHECK VALVE



### Dimension and Weight

### Class800-1500LB

| NPS    |        |        | Conv. | 3/8" | 1/2" | 3/4" | 1"   | 1-1/4" | 1-1/2" | 2"     | 2-1/2" |
|--------|--------|--------|-------|------|------|------|------|--------|--------|--------|--------|
|        |        |        | Full  | /    | 3/8" | 1/2" | 3/4" | 1"     | 1-1/4" | 1-1/2" | 2"     |
| 800LB  | L      | mm     |       | 76   | 76   | 92   | 106  | 120    | 148    | 172    | 220    |
|        | H      | mm     |       | 50   | 50   | 60   | 70   | 80     | 85     | 100    | 120    |
|        | Weight | Bolted | kg    | 1.4  | 1.2  | 1.5  | 3.1  | 3.9    | 5.6    | 8.9    | 12.5   |
|        |        | Welded | kg    | 1.1  | 1.0  | 1.2  | 2.9  | 3.3    | 4.9    | 8.1    | 10.9   |
| 900LB  | L      | mm     |       | 111  | 111  | 111  | 120  | 152    | 172    | 220    | /      |
|        | H      | mm     |       | 75   | 75   | 75   | 100  | 110    | 120    | 140    | /      |
|        | Weight | Bolted | kg    | 1.6  | 3.4  | 3.3  | 5.5  | 6.0    | 9.2    | 12.9   | /      |
|        |        | Welded | kg    | 1.3  | 3.2  | 3.1  | 4.8  | 5.4    | 8.5    | 11.2   | /      |
| 1500LB | L      | mm     |       | 111  | 111  | 111  | 120  | 152    | 172    | 220    | /      |
|        | H      | mm     |       | 75   | 75   | 75   | 100  | 110    | 120    | 140    | /      |
|        | Weight | Bolted | kg    | 1.6  | 3.4  | 3.3  | 5.5  | 6.0    | 9.2    | 12.9   | /      |
|        |        | Welded | kg    | 1.3  | 3.2  | 3.1  | 4.8  | 5.4    | 8.5    | 11.2   | /      |

### Dimension and Weight

### Class150-900LB

| NPS   |        |     |    | 1/2" | 3/4" | 1"   | 1-1/4" | 1-1/2" | 2"    |
|-------|--------|-----|----|------|------|------|--------|--------|-------|
| 150LB | L      | RF  | mm | 108  | 117  | 127  | 140    | 165    | 203   |
|       | L1     | BW  | mm | 108  | 117  | 127  | 140    | 165    | 203   |
|       | H      |     | mm | 61   | 61   | 79   | 95     | 103    | 118   |
|       | Weight | RF  | kg | 2.56 | 3.37 | 4.37 | 8.17   | 8.94   | 12.64 |
|       |        | BW  | kg | 1.70 | 1.90 | 2.10 | 5.12   | 5.50   | 7.89  |
| 300LB | L      | RF  | mm | 152  | 178  | 203  | 216    | 229    | 267   |
|       | L1     | BW  | mm | 152  | 178  | 216  | 229    | 241    | 267   |
|       | H      |     | mm | 61   | 61   | 79   | 95     | 103    | 118   |
|       | Weight | RF  | kg | 2.73 | 3.65 | 4.74 | 8.77   | 9.60   | 13.70 |
|       |        | BW  | kg | 1.90 | 2.10 | 3.00 | 5.12   | 6.60   | 7.85  |
| 600LB | L      | RF  | mm | 165  | 190  | 216  | 229    | 241    | 292   |
|       | L1     | BW  | mm | 165  | 190  | 216  | 229    | 241    | 292   |
|       | H      |     | mm | 61   | 61   | 79   | 95     | 103    | 118   |
|       | Weight | RF  | kg | 3.00 | 4.00 | 5.83 | 9.47   | 10.10  | 15.60 |
|       |        | BW  | kg | 2.00 | 3.12 | 4.25 | 7.25   | 8.56   | 13.60 |
| 900LB | L      | RTJ | mm | 216  | 229  | 254  | 279    | 305    | 371   |
|       | L1     | BW  | mm | 216  | 229  | 254  | 279    | 305    | 368   |
|       | H      |     | mm | 79   | 79   | 95   | 104    | 120    | 139   |
|       | Weight | RTJ | kg | 8.5  | 10.5 | 15.7 | 20.8   | 27.2   | 33.0  |
|       |        | BW  | kg | 6.4  | 8.0  | 13.2 | 17.8   | 24.2   | 29.7  |