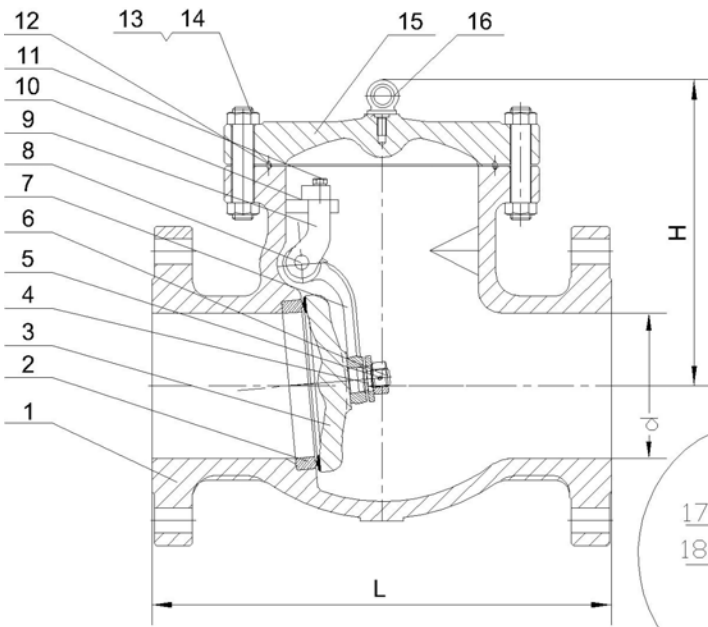


## Check Valve Class 900

### Standards:

Face to Face Dimensions: ANSI B16.10  
 End Flange Dimensions: ANSI B16.5  
 Basic Design: ANSI B16.34  
 \* Conforms to the applicable requirements of API 600  
 Test Standard: API 598



| MATERIAL LIST |                      |   |           |          |           |            |
|---------------|----------------------|---|-----------|----------|-----------|------------|
| NO.           | Part Name            | ASTM Specification (Specs - Grades/Types) |           |          |           |            |
|               |                      | A 216                                     | A 352     | A 217    |           | A 351      |
|               |                      | WCB                                       | LCC       | WC6      | C5        | CF8M       |
| 1             | Body                 | A 216-WCB                                 | A 352-LCC | A217-WC6 | A 217-C5  | A 351-CF8M |
| 2             | Seat Ring            | A 105, 316, or 304                        |           |          |           |            |
|               | Seat Ring Surface    | 13CR, HF (CoCr-A), 316, 304, or Monel     |           |          |           |            |
| 3             | Disc                 | A 216 - WCB                               | A 352-LCC | A217-WC6 | A 217-C5  | A 351-CF8M |
|               | Disc Seating Surface | 13CR, HF (CoCr-A), 316, 304, or Monel     |           |          |           |            |
| 4             | Washer               | 13CR, 316, OR 304                         |           |          |           |            |
| 5             | Pin                  | 13CR, 316, OR 304                         |           |          |           |            |
| 6             | Disc Nut             | 13CR, 316, OR 304                         |           |          |           |            |
| 7             | Hinge                | A 216 - WCB                               | A 352-LCC | A217-WC6 | A 217-C5  | A 351-CF8M |
| 8             | Hinge Pin            | Stainless Steel                           |           |          |           |            |
| 9             | Bearing Bracket      | A 216 - WCB                               | A 352-LCC | A217-WC6 | A 217-C5  | A 351-CF8M |
| 10            | Spring Washer        | Stainless Steel                           |           |          |           |            |
| 11            | Hex Bolt             | Stainless Steel                           |           |          |           |            |
| 12            | Gasket               | Ring Joint - Iron                         |           |          |           |            |
| 13            | Cover Bolt           | A 193-B7                                  | A 320-L7  | A 193-B7 | A 193-B16 | A 193-B8   |
| 14            | Cover Bolt Nut       | A 194-2H                                  | A 194-4   | A 194-2H | A 194-4   | A 194-8    |
| 15            | Cover                | A 216 - WCB                               | A 320-L7  | A 193-B7 | A 193-B16 | A 193-B8   |
| 16            | Eye Bolt             | A181                                      |           |          |           |            |
| 17            | Spring Washer        | Brass                                     |           |          |           |            |
| 18            | Plug                 | Carbon Steel                              |           |          |           |            |

### DIMENSIONS AND WEIGHTS

| Size       | NPS | 2      | 2-1/2  | 3      | 4      | 6      | 8       | 10      | 12      | 14      | 16      |
|------------|-----|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| L<br>(RF)  | In  | 14.50  | 16.50  | 15.00  | 18.00  | 24.00  | 29.00   | 33.00   | 38.00   | 40.50   | 44.50   |
|            | Mm  | 368    | 419    | 381    | 457    | 610    | 737     | 838     | 965     | 1029    | 1130    |
| L<br>(RTJ) | In  | 14.63  | 16.63  | 15.13  | 18.13  | 24.13  | 29.13   | 33.13   | 38.13   | 40.88   | 44.88   |
|            | Mm  | 371    | 422    | 384    | 460    | 613    | 740     | 841     | 968     | 1038    | 1140    |
| L<br>(BW)  | In  | 14.50  | 16.50  | 15.00  | 18.00  | 24.00  | 29.00   | 33.00   | 38.00   | 40.50   | 44.50   |
|            | Mm  | 368    | 419    | 381    | 457    | 610    | 737     | 838     | 965     | 1029    | 1130    |
| Øb         | In  | 1.85   | 1.92   | 2.87   | 3.87   | 5.75   | 7.50    | 9.38    | 11.12   | 13.25   | 15.25   |
|            | Mm  | 47     | 57     | 73     | 98     | 146    | 190     | 238     | 282     | 336     | 388     |
| H          | In  | 9.88   | 10.60  | 9.13   | 12.30  | 14.30  | 17.00   | 18.90   | 22.00   | 24.80   | 27.60   |
|            | Mm  | 250    | 270    | 230    | 310    | 360    | 430     | 480     | 560     | 629     | 700     |
| WT         | KG  | 69     | 93     | 85     | 145    | 310    | 500     | 772     | 1080    | 1500    | 2130    |
|            | LB  | 152.12 | 205.03 | 187.39 | 319.67 | 683.43 | 1102.30 | 1701.95 | 2380.97 | 3306.90 | 4695.80 |