

# Carbon Steel Ball Valve

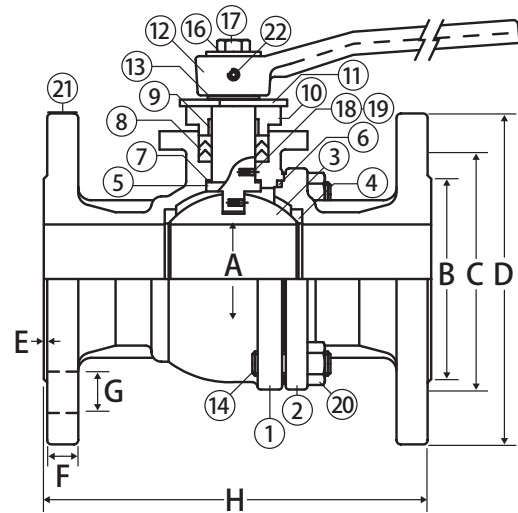


**2 Piece • Full Port • Flanged Connections • Class 150 •  
Stainless Steel Ball and Stem**



CRN# 0C15754.524

**FL-CS-100-150**



## Features

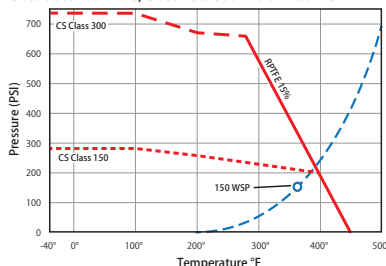
- Wrench operator
- Fire safe stem and body graphite seals
- Air tested seat leakage: 85 PSI
- Hydraulic tested body: 427 PSI
- Locking device comes standard
- 100% leak tested
- Wetted surfaces contain less than .25% lead content

## Approvals

- UL Listed (1/2" - 8")
  - MHKZ - Manual valves
  - YQNZ - Compressed gas shut-off valves
  - YRBX - Flammable liquid shut-off valves
  - YSDT - LP gas shut-off valves
- CSA Certified
  - ASME B16.33 (125 PSIG) (2")
  - ASME B16.38 (125PSIG) (3"-8")
  - CGA 3.16 (125 PSI) (2"-8")
- Conforms to ANSI B16.34
- Flange: ANSI B16.5
- Face to Face: ANSI B16.10
- API 607 Fire Safe
- NACE 01-75 Stainless Steel Approved

## Valve Seat Rating

Class 300: 700 WOG, Class 150: 300 WOG - 150 WSP



**WARNING:** This product can expose you to chemicals including diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and diisononyl phthalate (DINP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Note: Information subject to change without notice.

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## Material Specifications

| No. | Part                           | Materials            |
|-----|--------------------------------|----------------------|
| 1   | Body                           | WCB Carbon Steel     |
| 2   | Body Cap                       | WCB Carbon Steel     |
| 3   | Ball                           | CF8M Stainless Steel |
| 4   | Seat (2) <sup>†</sup>          | RPTFE - 15%          |
| 5   | Stem                           | 304 Stainless Steel  |
| 6   | Body Seal <sup>†</sup>         | PTFE / Graphite      |
| 7   | Stem Seal <sup>†</sup>         | PTFE                 |
| 8   | Packing Gland (3) <sup>†</sup> | PTFE / Graphite      |
| 9   | Gland Bushing <sup>†</sup>     | PTFE                 |
| 10  | Gland Flange                   | CF8 Stainless Steel  |
| 11  | Stop Plate                     | 304 Stainless Steel  |
| 12  | Handle                         | WCB Carbon Steel     |
| 13  | Snap Ring                      | 301 Stainless Steel  |
| 14  | Body Bolt (4 or 6)             | A193-B7 Steel        |
| 15  | Gland Bolt (2)*                | 304 Stainless Steel  |
| 16  | Handle Washer                  | 304 Stainless Steel  |
| 17  | Handle Bolt                    | 304 Stainless Steel  |
| 18  | Static Device (2)              | 304 Stainless Steel  |
| 19  | Spring (2)*                    | 304 Stainless Steel  |
| 20  | Body Nut (4 or 6)**            | A194-2H Steel        |
| 21  | Tag                            | 304 Stainless Steel  |
| 22  | Set Screw                      | 304 Stainless Steel  |

\* Not shown in drawing, \*\* Component only on +5" valves, <sup>†</sup>Included in repair kit

## Dimensions

| Part No. | Size   | A     | B     | C     | D     | E    | F    | G    | H     | Bolts | Torque |
|----------|--------|-------|-------|-------|-------|------|------|------|-------|-------|--------|
| 600-203  | 1/2"   | 0.63  | 1.38  | 2.38  | 3.50  | 0.06 | 0.44 | 0.63 | 4.25  | 4     | 48     |
| 600-204  | 3/4"   | 0.79  | 1.69  | 2.76  | 3.86  | 0.06 | 0.44 | 0.63 | 4.61  | 4     | 90     |
| 600-205  | 1"     | 0.98  | 2.01  | 3.13  | 4.25  | 0.06 | 0.44 | 0.63 | 5.00  | 4     | 148    |
| 600-207  | 1-1/2" | 1.50  | 2.87  | 3.88  | 5.00  | 0.06 | 0.56 | 0.63 | 6.50  | 4     | 270    |
| 600-208  | 2"     | 1.97  | 3.62  | 4.74  | 5.98  | 0.06 | 0.63 | 0.75 | 7.01  | 4     | 395    |
| 600-209  | 2-1/2" | 2.56  | 4.13  | 5.49  | 7.01  | 0.06 | 0.69 | 0.75 | 7.48  | 4     | 609    |
| 600-210  | 3"     | 3.15  | 5.00  | 6.00  | 7.48  | 0.06 | 0.75 | 0.75 | 7.99  | 4     | 913    |
| 600-211  | 4"     | 3.94  | 6.18  | 7.50  | 9.02  | 0.06 | 0.94 | 0.75 | 9.02  | 8     | 1443   |
| 600-212  | 6"     | 5.98  | 8.50  | 9.51  | 10.98 | 0.06 | 1.00 | 0.87 | 15.51 | 8     | 4870   |
| 600-213* | 8"     | 7.99  | 10.63 | 11.75 | 13.50 | 0.06 | 1.12 | 0.87 | 17.99 | 8     | 8522   |
| 600-214* | 10"    | 9.84  | 12.76 | 14.25 | 15.98 | 0.06 | 1.19 | 0.98 | 20.98 | 12    |        |
| 600-215* | 12"    | 11.81 | 12.52 | 17.01 | 19.02 | 0.06 | 1.25 | 0.98 | 24.02 | 12    |        |

\*8-12" Special Order