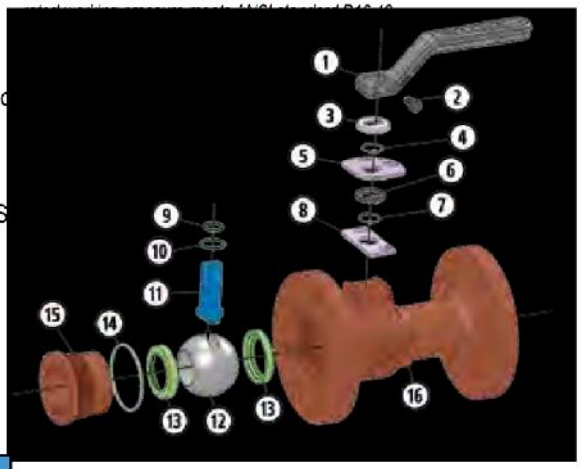
# Flanged End Connection

## Series F Ductile Iron

- Lever Operated Ball Valve
- ANSI Class 300*
  Raised Face (640 PSI WP)
- 2" Through 4"

** Dimensions meet ANSI standard B16.34;*

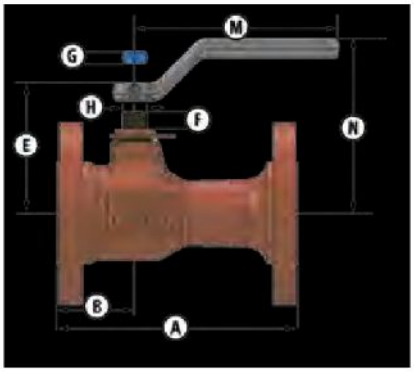



- High Grade Annealed Ductile Iron for Better Corrosic
  Resistance and Greater Yield Strength
- Multi-Seal Seats
- Fire Safe Design
- NACE Valves Include 316 Stainless Steel Ball and S
- Rugged Locking Device Standard
- Maintenance Free Sealing Improvement Over
  Lubricated Ball Valves and Cast Iron Plug Valves
- Eliminates High Maintenance of Lubricated Valves

## Material Description

| ITEM | PART NAME | MATERIAL (STANDARD) | MATERIAL (NACE) |
|---|---|---|---|
| 1 | Handle* | Carbon Steel/Ductile Iron | Carbon Steel/Ductile Iron |
| 2 | Handle Bolt | Standard Hex Bolt | Standard Hex Bolt |
| 3 | Weather Guard | Polyethylene | Polyethylene |
| 4 | Lock Plate Retainer | Carbon Spring Steel | Carbon Spring Steel |
| 5 | Lock Plate | Carbon Steel | Carbon Steel |
| 6 | Dust Cover | Polyethylene | Polyethylene |
| 7 | Stop Plate Retainer | Carbon Spring Steel | Carbon Spring Steel |
| 8 | Stop Plate | Carbon Steel | Carbon Steel |
| 9 | Stem O-Ring | Buna-N | Fluorocarbon |
| 10 | Stem Seal | TFE | TFE |
| 11 | Stem | Carbon Steel | 316 Stainless Steel |
| 12 | Ball | Carbon Steel<br>Nickel Chrome Plated | 316 Stainless Steel |
| 13 | Ball Seat | Nylon (TFE Optional) | Nylon (TFE Optional) |
| 14 | Body O-Ring | Buna-N | Fluorocarbon |
| 15 | End Adapter | ASTM A395 Class 60-40-18<br>Fully Annealed | ASTM A395 Class 60-40-18<br>Fully Annealed |
| 16 | Body | ASTM A395 Class 60-40-18<br>Fully Annealed | ASTM A395 Class 60-40-18<br>Fully Annealed |

**Handle is optional. Balon valves can also be operated with a standard open-end wrench.*




## Dimensional Data

| SIZE | CATALOG NUMBER | | PORT | A | B | E | F | G | H | M | N | LBS. | HANDLE | Cv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STANDARD TRIM CARBON STEEL BALL & STEM | NACE TRIM 316 SS BALL & STEM | | | | | | | | | | | | |
| 2x1.5x2 | 2R-F32-RF | 2R-F32N-RF | 1.5 | 8.5 | 2.75 | 3.62 | .75 | .434 | .873 | 7.25 | 5.25 | 21.6 | P-4128-CS | 125 |
| 3x2x3 | 3R-F32-RF | 3R-F32N-RF | 2 | 11.12 | 3 | 4.37 | .75 | .497 | .998 | 10.25 | 6.20 | 40 | P-4129-CS | 200 |
| 4x3x4 | 4R-F32-RF | 4R-F32N-RF | 3 | 12 | 3.37 | 5.75 | .87 | .747 | 1.373 | 20 | 7.75 | 72 | P-4127-DI | 525 |

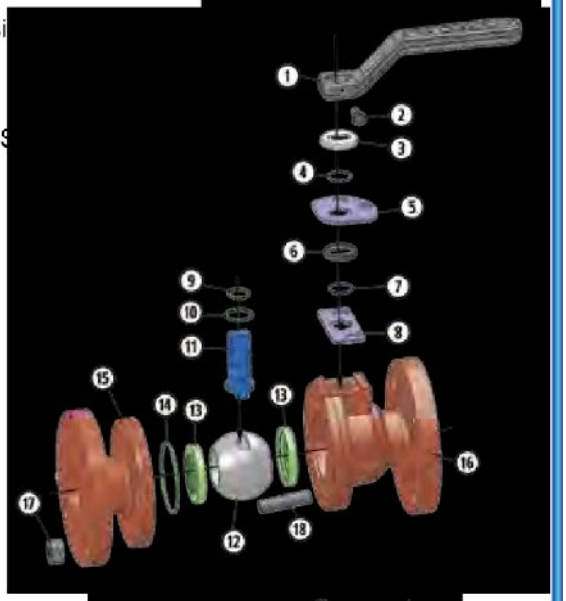
# Flanged End Connection

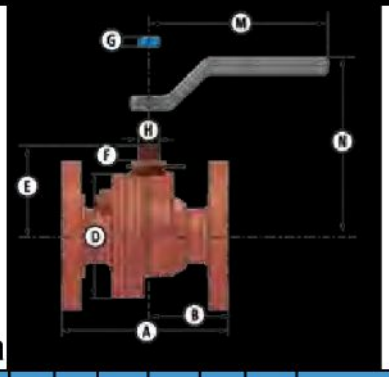
## Series F Ductile Iron

- Lever Operated Ball Valve
- ANSI Class 125* • Flat Face (200 PSI WP)
- ANSI Class 150* • Raised Face (250 PSI WP)
- 2" Through 6"
- Bolted Body Construction

** Dimensions meet ANSI standard B16.34; rated working pressure meets ANSI standard B16.42*

- High Grade Annealed Ductile Iron for Better Corrosi Resistance and Greater Yield Strength
- Multi-Seal Seats
- Fire Safe Design
- NACE Valves Include 316 Stainless Steel Ball and S
- Rugged Locking Device Standard
- Maintenance Free Sealing Improvement Over Lubricated Ball Valves and Cast Iron Plug Valves
- Eliminates High Maintenance of Lubricated Valves




### Material Description

| ITEM | PART NAME | MATERIAL (STANDARD) | MATERIAL (NACE) |
|---|---|---|---|
| 1 | Handle* | Carbon Steel/Ductile Iron | Carbon Steel/Ductile Iron |
| 2 | Handle Bolt | Standard Hex Bolt | Standard Hex Bolt |
| 3 | Weather Guard | Polyethylene | Polyethylene |
| 4 | Lock Plate Retainer | Carbon Spring Steel | Carbon Spring Steel |
| 5 | Lock Plate | Carbon Steel | Carbon Steel |
| 6 | Dust Cover | Polyethylene | Polyethylene |
| 7 | Stop Plate Retainer | Carbon Spring Steel | Carbon Spring Steel |
| 8 | Stop Plate | Carbon Steel | Carbon Steel |
| 9 | Stem O-Ring | Buna-N | Fluorocarbon |
| 10 | Stem Seal | TFE | TFE |
| 11 | Stem | Carbon Steel | 316 Stainless Steel |
| 12 | Ball | Carbon Steel Nickel Chrome Plated | 316 Stainless Steel |
| 13 | Ball Seat | Nylon (TFE Optional) | Nylon (TFE Optional) |
| 14 | Body O-Ring | Buna-N | Fluorocarbon |
| 15 | End Adapter | ASTM A395 Class 60-40-18 Fully Annealed | ASTM A395 Class 60-40-18 Fully Annealed |
| 16 | Body | ASTM A395 Class 60-40-18 Fully Annealed | ASTM A395 Class 60-40-18 Fully Annealed |
| 17 | Nuts | ASTM A194 2H | ASTM A194 2HM |
| 18 | Body Bolts | ASTM A193 B7 | ASTM A193 B7M |

**Handle is optional. Balon valves can also be operated with a standard open-end wrench.*

### Dimensional Data

| SIZE | CATALOG NUMBER | | PORT | WP | | A | B | D | E | F | G | H | M | N | LBS. | HANDLE | Cv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STANDARD TRIM CARBON STEEL BALL & STEM | NACE TRIM 316 SS BALL & STEM | | CLASS 125 FLAT FACE | CLASS 150 RAISED FACE | | | | | | | | | | | | |
| 2x1.5x2 | 2R-F12 | 2R-F12N | 1.5 | FF200 | RF250 | 7 | 3.25 | 5 | 3.62 | .75 | .434 | .873 | 7.25 | 5.25 | 18 | P-4128-CS | 125 |
| 2x2x2 | 2F-F12 | 2F-F12N | 2 | - | RF250 | 7 | 2.75 | 6 | 4.37 | .87 | .497 | .998 | 10.25 | 6.20 | 28 | P-4129-CS | - |
| 3x2x3 | 3R-F12 | 3R-F12N | 2 | FF200 | RF250 | 8 | 3 | 6 | 4.37 | .75 | .497 | .998 | 10.25 | 6.20 | 30 | P-4129-CS | 200 |
| 3x3x3 | 3F-F12 | 3F-F12N | 3 | - | RF250 | 8 | 3.56 | 7.50 | 5.75 | 1.06 | .747 | 1.373 | 20 | 7.75 | 54 | P-4127-DI | - |
| 4x3x4 | 4R-F12 | 4R-F12N | 3 | FF200 | RF250 | 9 | 4.06 | 7.87 | 5.75 | .87 | .747 | 1.373 | 20 | 7.75 | 65 | P-4127-DI | 525 |
| 4x4x4 | 4F-F12 | 4F-F12N | 4 | - | RF250 | 9 | 4.06 | 9 | 6.37 | 1.06 | .747 | 1.373 | 20 | 8.37 | 80 | P-4127-DI | - |
| 6x4x6 | 6R-F12** | 6R-F12N* | 4 | FF200 | RF250 | 10.50 | 3.81 | | 6.37 | .87 | .747 | 1.373 | 20 | 8.37 | 75 | P-4127-DI | 800 |

*** Uni-body design.*