



PN25 Ball Valve :

PN is mostly used in European standard systems such as DIN, EN, BS, ISO and number behind “PN” is an integer number denoting pressure classes, approximately equivalent to normal temperature pressure Mpa. For valves with carbon steel bodies, PN refers to the maximum allowable working pressure when applied below 200°C; For cast iron body, it was maximum allowable working pressure when applied below 120°C; For stainless steel valve body, it was maximum allowable working pressure for service below 250°C. When operating temperature increases, meanwhile the valve body pressure decreases. Commonly used PN pressure range is (unit of Bar): PN2.5, PN6, PN10, PN16, PN25, PN40, PN63, PN100, PN160, PN250, PN320, PN400.

PN25 Ball Valve Price List India :

| Product | Price Per Unit (INR) |
|--|----------------------|
| Pn25 Ball Valve 1/2 NPT P/N 7510F8Y (SPARES FOR PIPING SYSTEM) | 2,571 |
| Pn25 Ball Valve ISO 2-WAY 1-1/4 | 1,882 |
| Ball Valve 3-Way 1-1/4 Pn25 | 2,144 |
| 22s Ball Valve M/25 | 2,053 |
| Pn25 Gbc 22s Ball Valve M/25 | 2,053 |
| Pn25 18s Ball Valve M/25 (P/F Mfg Of Ups) (74 Pcs) | 3,535 |
| (12611-21032) Ball Valve Iso 2-Way 1-1/4 D-25ss (100 Pcs) | 1,882 |
| Ss316 Pn25 Ball Valve 3 Pcs Screwed Bsp Female Ends Size 25mm | 611 |
| Ball Valve Iso 2-Way OD: 1-1/2" = 25ss PN25 | 1,645 |

PN25 Brass Ball Valve Specifications :

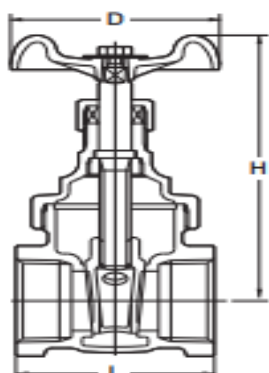
| | |
|------------------------|--|
| Material | Brass |
| Size (in or mm) | 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" |
| Fitting | BSPP |
| Manufacturer | RIV |

PN25 Ball Valve Pressure Rating :

| Pressure-Temperature Ratings [bar] | | | | | | | | | |
|---|------------------------|-----------|--------|------------|--------|---------------|--------|---------------|--------|
| Temp. [°C] | O-Ring / Seat Material | DN15–DN50 | | DN65–DN100 | | DN125 – DN200 | | DN250 – DN300 | |
| | | 1.0619 | 1.4408 | 1.0619 | 1.4408 | 1.0619 | 1.4408 | 1.0619 | 1.4408 |
| 38 | All STD Materials | 25 | | 25 | | 25 | | 25 | |
| 140 | H-NBR Max | 22,24 | 23,16 | 22,24 | 23,16 | 22,24 | 23,16 | 18,33 | |
| 200 | FKM Max FKM-LT Max | 20,80 | 21,0 | 18,75 | | 14,0 | | 8,33 | |
| 250 | H-PTFE Max | 0 | | 0 | | 0 | | 0 | |

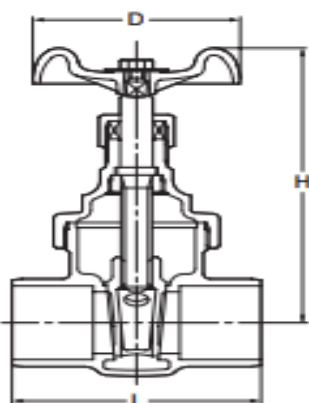


PN25 Ball Valve Dimensions : (Type 1)



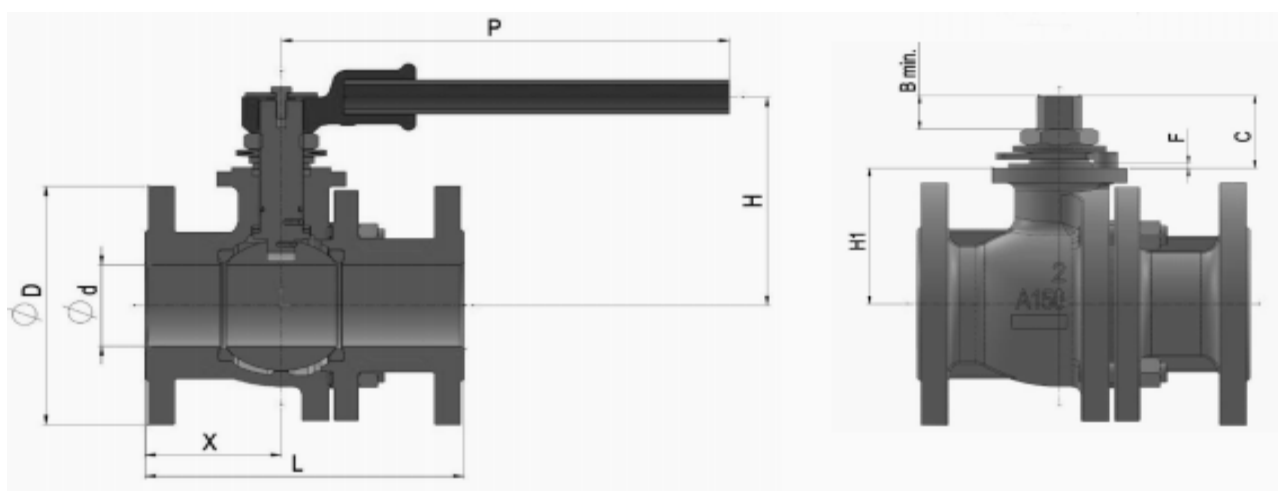
| Nominal Size | NPS | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|------------------------------|-----|-----|-----|-----|-------|-------|-----|
| | DN | 15 | 20 | 25 | 32 | 40 | 50 |
| L Threaded end to end | | 45 | 50 | 57 | 61 | 67 | 74 |
| H Height | | 80 | 90 | 105 | 118 | 135 | 159 |
| D Handwheel diameter | | 50 | 55 | 60 | 70 | 80 | 90 |

Type 2 :



| Nominal Size | NPS | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 |
|-----------------------------|-----|-----|-----|-----|-------|-------|-----|
| | DN | 15 | 20 | 25 | 32 | 40 | 50 |
| L | | 46 | 61 | 72 | 78 | 87 | 102 |
| H Height | | 80 | 90 | 105 | 118 | 135 | 159 |
| D Handwheel diameter | | 50 | 55 | 60 | 70 | 80 | 90 |

PN25 Ball Valve Size :



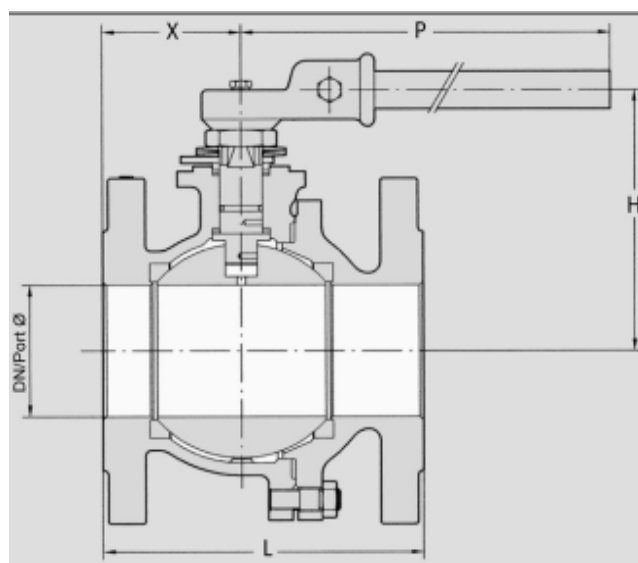


| PN 25 / PN 40 | | | | | | | | | | | | | | | |
|---------------|-------------------------|-----|-------|-------|-------|-----|----------|----|----|-----|-----|----------|------------------------------|-------------------|------|
| Size | General Dimensions [mm] | | | | | | | | | | | | Kv | Weight [Kg] | |
| mm | Ød | ØD | L | | X | P | H | A | G | J | M | ISO 5211 | [m ³ /h] [bar] | Short | Long |
| | | | Short | Long | | | | | | | | | | | |
| DN15 | 14 | 95 | 115 | 130 | 50 | 150 | 85 | 10 | 6 | 36 | M5 | F03 | 17 | 2,6 | 2,8 |
| DN20 | 19 | 105 | 120 | 150 | 52 | 150 | 90 | 10 | 6 | 36 | M5 | F03 | 39 | 3,3 | 3,6 |
| DN25 | 25 | 115 | 125 | 160 | 55 | 150 | 104 | 12 | 8 | 50 | M6 | F05 | 63 | 4,3 | 4,5 |
| DN32 | 32 | 140 | 130 | 180 | 58 | 200 | 116 | 14 | 9 | 50 | M6 | F05 | 104 | 6,5 | 6,7 |
| DN40 | 38 | 150 | 140 | 200,5 | 60 | 200 | 118 | 14 | 9 | 50 | M6 | F05 | 150 | 7,8 | 7,9 |
| DN50 | 51 | 165 | 150 | 230 | 60 | 250 | 128 | 24 | 19 | 70 | M8 | F07 | 254 | 11,9 | 12,5 |
| DN65 | 65 | 185 | 170 | 290 | 75 | 250 | 138 | 24 | 19 | 70 | M8 | F07 | 381 | 15,5 | 16,5 |
| DN80 | 76 | 200 | 180 | 310 | 78 | 250 | 148 | 24 | 19 | 70 | M8 | F07 | 971 | 21 | 23 |
| DN100 | 95 | 220 | 190 | 350 | 85 | 500 | 190 | 36 | 22 | 102 | M10 | F10 | 1560 | 34,5 | 40,2 |
| DN125 | 111 | 250 | 325 | 400 | 162,5 | 750 | 199 | 36 | 22 | 102 | M10 | F10 | 2173 | 47 | 54 |
| DN150 | 144 | 285 | 350 | 480 | 175 | 750 | 223 | 36 | 22 | 102 | M10 | F10 | 4046 | 75,5 | 85 |
| DN200 | 190 | 340 | 400 | - | 200 | - | Gear Ø50 | - | - | 140 | M16 | F14 | 8787 | 185 ¹⁾ | - |
| DN250 | 241 | 405 | 450 | - | 225 | - | Gear Ø50 | - | - | 140 | M16 | F14 | 14452 | 250 ¹⁾ | - |
| DN300 | 285 | 460 | 500 | - | 250 | - | Gear Ø65 | - | - | 165 | M20 | F16 | 22893 | 370 ¹⁾ | - |

The Conversion Table Between Mpa and Bar :

| | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|
| 0.05(0.5) | 0.1(1.0) | 0.25(2.5) | 0.4(4.0) | 0.6(6.0) | 0.8(8.0) |
| 1.0(10.0) | 1.6(16.0) | 2.0(20.0) | 2.5(25.0) | 4.0(40.0) | 5.0 (50.0) |
| 6.3(63.3) | 10.0(100.0) | 15.0(150.0) | 16.0(160.0) | 20.0(200.0) | 25.0(250.0) |
| 28.0(280.0) | 32.0(320.0) | 42.0 (420.0) | 50.0(500.0) | 63.0(630.0) | 80.0(800.0) |
| 100.0(1000.0) | 125.0(1250.0) | 160.0(1600.0) | 200.0(2000.0) | 250.0(2500.0) | 335.0(3350.0) |

PN25 Ball Valve Dimensions :





| Valve Size DN | Port | L | | X | P | H | ISO 5211 | Cv (m ³ /h) | Torque (N.m) | | Weight (Kg) | | | |
|--------------------|------|-------|------|-------|-----|-------------------|-------------|---------------------------|-----------------|------|--------------------|------|--------------------|------|
| | | | | | | | | | | | PN10-16 | | PN25-40 | |
| | | Short | Long | | | | | | PN16 | PN40 | Short | Long | Short | Long |
| 15 | 14 | 115 | 130 | 50 | 150 | 85 | F03 | 17 | 5 | 8 | 2,6 | 2,8 | 2,6 | 2,8 |
| 20 | 19 | 120 | 150 | 52 | 150 | 90 | F03 | 39 | 6 | 8 | 3,3 | 3,6 | 3,3 | 3,6 |
| 25 | 25 | 125 | 160 | 55 | 150 | 104 | F05 | 63 | 8 | 10 | 4,3 | 4,5 | 4,3 | 4,5 |
| 32 | 32 | 130 | 180 | 58 | 200 | 116 | F05 | 104 | 15 | 20 | 6,5 | 6,7 | 6,5 | 6,7 |
| 40 | 38 | 140 | 200 | 60 | 200 | 118 | F05 | 150 | 20 | 25 | 7,8 | 7,9 | 7,8 | 7,9 |
| 50 | 51 | 150 | 230 | 60 | 250 | 128 | F07 | 254 | 25 | 35 | 11,9 | 12,5 | 11,9 | 12,5 |
| 65 | 65 | 170 | 290 | 75 | 250 | 138 | F07 | 381 | 40 | 50 | 15 | 16,1 | 15,5 | 16,5 |
| 80 | 76 | 180 | 310 | 78 | 250 | 148 | F07 | 971 | 60 | 90 | 20 | 22,5 | 21 | 23 |
| 100 ⁽¹⁾ | 102 | 190 | 350 | 95 | 500 | 196 | F10 | 1560 | 120 | 175 | 33 | 39,6 | 34,5 | 41 |
| 125 ⁽²⁾ | 111 | 325 | 400 | 162.5 | 500 | 199 | F10 | 2173 | 150 | 220 | 46 | - | 47 | - |
| 150 | 144 | 350 | 480 | 175 | 750 | 223 | F10 | 4046 | 250 | 350 | 73 | 80 | 75,5 | 85 |
| 200 | 190 | 400 | - | 200 | - | Gear operation | F14 | 8787 | 500 | 750 | 175 ⁽⁴⁾ | - | 185 ⁽⁴⁾ | - |
| 250 ⁽³⁾ | 241 | 450 | - | 225 | - | Gear operation | F14 | 14452 | 1000 | 1400 | 230 ⁽⁴⁾ | - | 250 ⁽⁴⁾ | - |
| 300 | 285 | 500 | - | 250 | - | Gear operation | F16 | 22893 | 1500 | 2000 | 305 ⁽⁴⁾ | - | 370 ⁽⁴⁾ | - |

PN25 Ball Valve Standard :

| No. | Parts | Standard |
|-----|------------------------------|---------------------------------------|
| | | PN 10 - 16 - 25 - 40 |
| 1 | Body | DIN 1.4408 |
| 4 | Body Connector | DIN 1.4408 |
| 5 | Antistatic Stem | ASTM A479 Type 316 |
| 6 | Gland Ring | ASTM A479 Type 316 |
| 8 | Stop Pin | DIN 267/11 A2-70 |
| 9 | Stop Plate | Steel nickel plated |
| 11 | Gland Washer | DIN 1.4122 (SS) |
| 12 | Nut | DIN 267/11 A2-70 |
| 17 | Stud Bolt-Bolt* ⁵ | DIN 267/11/ A2-70 / 267/3 zinc plated |
| 18 | Nut* ⁵ | DIN 267/11/ A2-70 / 267/3 zinc plated |
| 21 | Ball* ¹ | ASTM A479 Type 316 / 1.4408 |
| 22 | Ball Seat | PTFE |
| 24 | Body Seal* ³ | PTFE / 316L+Flexite® |
| 25 | Gland Packing* ² | PTFE+C+Graphite / PTFE |
| 26 | Stem Seal* ⁴ | PTFE+C+Graphite / PTFE |
| 30 | Handle | SS+Plastic |
| 31 | Handle head | GGG40 |
| 32 | Handle bar | GGG40 |
| 33 | Handle bar bolt | Stainless Steel |
| 35 | Bolt | Stainless Steel |
| 36 | Washer | Stainless Steel |
| 40 | Stem O'ring | FKM |



DN50 Pn25 Ball Valve



Ball Valve PN25 DN25



Ball Valve Dn32 Pn25



Ball Valve Dn80 Pn25



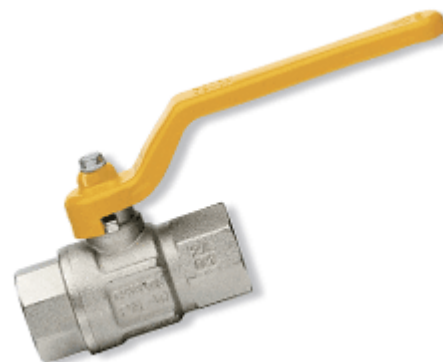
PN 25 CW617N Brass Ball Valves



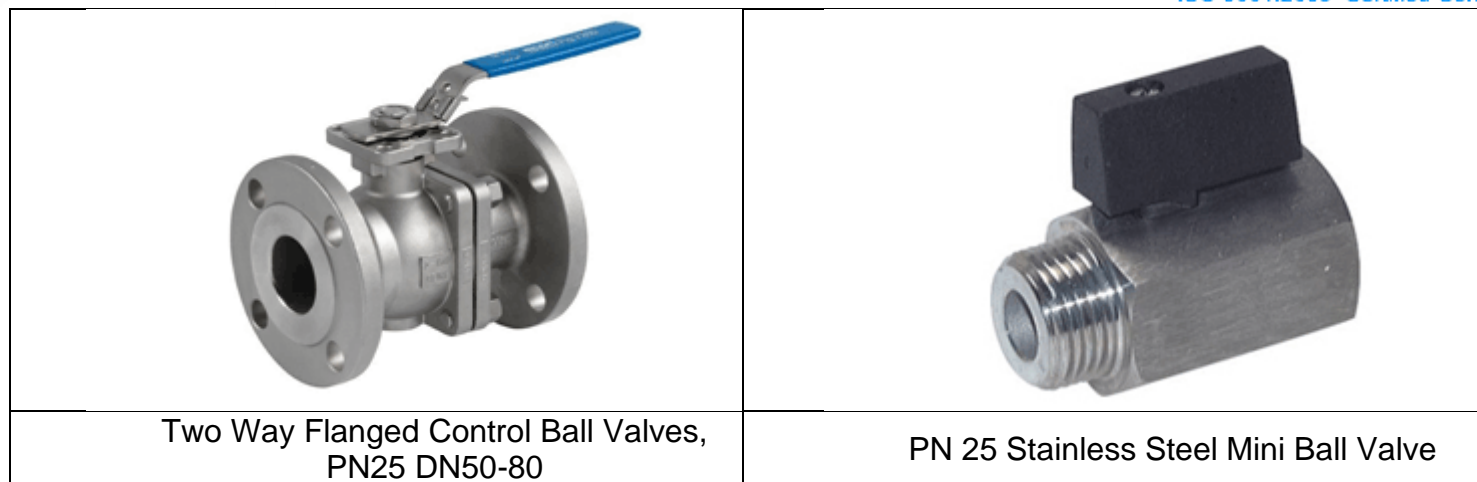
PN25 Brass Ball Valve









Full Bore Brass Ball Valve For Water PN 25



Gas Ball Valve, Brass, PN 25 2" DN 50








PN 25 Pressure Reducing Valves Standard:

| | | | | | | | |
|-------------------------|----------------------------|---|---|---|---|---|---|
| Useable for ... | Steam | • | • | • | • | | |
| | Water and other liquids | • | • | • | | • | • |
| | Oil | • | • | • | | • | • |
| | Gases ¹⁾ | • | • | • | | • | • |
| | District heating | | | | | | |
| Connections | Female thread | | | | • | • | |
| | Welding ends | | | | | | |
| | Threaded ends | | | | | | |
| | Flanges | • | • | • | | | • ⁵⁾ |
| Valve size | NPS | ½ to 4 | 6 to 10 | 6 to 10 | | | |
| Thread size | NPT | | | | ½ to 1 NPT | ½ to 1 NPT | ½ to 2 |
| Pressure rating | Class | 125 to 300 | 125 to 300 | 125 to 300 | 250 | 250 | 150 ⁴⁾ |
| Perm. temperature, max. | °F | 660 | 660 | 660 | 390 | 300 | 266 |
| Set point ranges | psi | 0.075 to 230 | 0.75 to 35 | 14.5 to 400 | 3 to 290 | 3 to 290 | 5 to 90 |
| Body material | Red brass (C83600) | | | | • | • | |
| | Cast iron (A126B) | • | • | • | | | |
| | Cast steel (A216 WCC) | • | • | • | | | |
| | Stainless steel (A351CF8M) | • | • | • | • | • | • ³⁾ |
| Type | | 41-23 | 2422/2424 | 2333 ²⁾ | 44-0 B | 44-1 B | 2371-11 |
| Data Sheet | | T 2513 EN | T 2548 EN | T 2554 EN | T 2629 EN | T 2627 EN | T 2640 EN |
| | |  |  |  |  |  |  |



PN25 Excess Pressure Valves Standard :

| | | | | | | |
|-------------------------|----------------------------|---|---|--|---|---|
| Useable for ... | Steam | • | • | • | • | |
| | Water and other liquids | • | • | • | • | • |
| | Oil | • | • | • | • | • |
| | Gases ¹⁾ | • | • | • | • | • |
| | District heating | | | | | |
| Connections | Female thread | | | | • | |
| | Welding ends | | | | | • ⁵⁾ |
| | Threaded ends | | | | | |
| | Flanges | • | • | • | | • ⁵⁾ |
| Valve size | NPS | ½ to 4 | 6 to 10 | 6 to 10 | | |
| Thread size | NPT | | | | ½ to 1 NPT | ½ to 2 |
| Pressure rating | Class | 125 to 300 | 125 to 300 | 125 to 300 | 250 | 150 ⁴⁾ |
| Perm. temperature, max. | °F | 660 | 660 | 660 | 390 | 266 |
| Set point ranges | psi | 0.075 to 230 | 0.75 to 35 | 14.5 to 400 | 3 to 290 | 5 to 90 |
| Body material | Red brass (C83600) | | | | • | |
| | Cast iron (A126B) | • | • | • | | |
| | Cast steel (A216 WCC) | • | • | • | | |
| | Stainless steel (A351CF8M) | • | • | • | • | • ³⁾ |
| Type | | 41-73 | 2422/2425 | 2335 ²⁾ | 44-6 B | 2371-00/-01 |
| Data Sheet | | T 2518 EN | T 2550 EN | T 2554 EN | T 2627 EN | T 2642 EN |
| | |  |  |  |  |  |