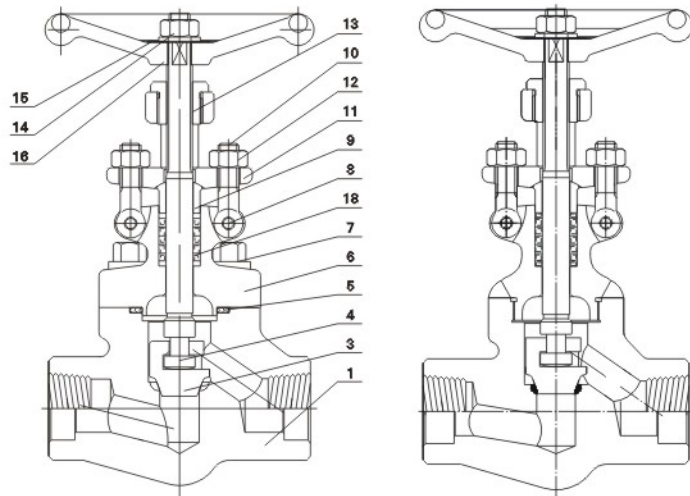


Female threaded and socket welded globe valves



Application standards

- 1、 Design and manufacture conform to BS5352 MSS SP-118;
- 2、 Connection ends conform to:
 - 1)Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)Flanged ends conform to ANSI B16.5;JB79
- 3、 Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、 Structure features:
Bolted bonnet, outside screw and yoke
Welded bonnet, outside screw and yoke
- 5、 Materials conform to ANSI/ASTM.
- 6、 Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L); F347;
F321; F51; Monel; 20 Alloy.

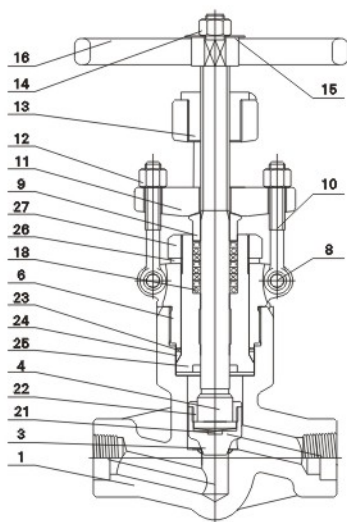
Carbon steel temperature–pressure rate

CL150–285 P.S.I @ 100° F
 CL300–740 P.S.I @ 100° F
 CL600–1480 P.S.I @ 100° F
 CL800–1975 P.S.I @ 100° F
 CL1500–3705 P.S.I @ 100° F

Main part materials list

| NO. | Part name | A105/F6a | A105/F6aHFS | LF2/304 | F11/F6aHF | F304(L)/304(L) | F316(L)/316(L) | F51/F51 |
|-----|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 1 | Body | A105 | A105HF | LF2 | F11HF | F304(L) | F316(L) | F51 |
| 3 | Disc | 410 | 410 | 304 | 410HF | 304(L) | 316(L) | F51 |
| 4 | Stem | F6a | F6a | F304 | F6a | F304(L) | F316(L) | F51 |
| 5 | Gasket | 304+ Flexible graphite | 304+ Flexible graphite | 304+ Flexible graphite | 304+ Flexible graphite | 304+ Flexible graphite | 316+ Flexible graphite | 316+ Flexible graphite |
| 6 | Bonnet | A105 | A105 | LF2 | F11 | F304(L) | F316(L) | F51 |
| 7 | Bolt | B7 | B7 | L7 | B16 | B8(M) | B8(M) | B8M |
| 8 | Pin | 410 | 410 | 410 | 410 | 304 | 304 | 304 |
| 9 | Gland | 410 | 410 | 304 | 410 | 304 | 316 | F51 |
| 10 | Gland eyebolt | B7 | B7 | L7 | B16 | B8(M) | B8(M) | B8M |
| 11 | Gland flange | A105 | A105 | LF2 | F11 | F304 | F304 | F304 |
| 12 | Hex nut | 2H | 2H | 7 | 4 | 8(M) | 8(M) | 8M |
| 13 | Stem nut | 410 | 410 | 410 | 410 | 410 | 410 | 410 |
| 14 | Locking nut | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 15 | Nameplate | AL | AL | AL | AL | AL | AL | AL |
| 16 | Handwheel | A197 | A197 | A197 | A197 | A197 | A197 | A197 |
| 18 | Packing | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |

Pressure sealing globe valves



Application standards

- 1、 Design and manufacture conform to BS5352 MSS SP-118;
- 2、 Connection ends conform to:
 - 1)Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)Flanged ends conform to ANSI B16.5;JB79
- 3、 Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、 Structure features: A threaded and pressure seal bonnet; Y type and T type
- 5、 Materials conform to ANSI/ASTM.
- 6、 Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F91; Monel; 20 Alloy.

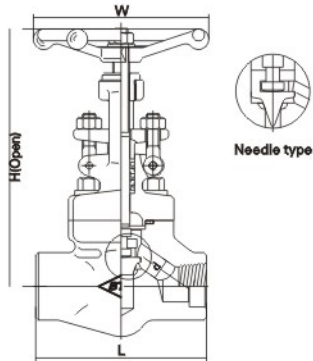
Carbon steel temperature–pressure rate

CL1500–3705 P.S.I @ 100° F
 CL2500–6170 P.S.I @ 100° F
 CL4500–11110P.S.I @ 100° F

Main part materials list

| NO. | Part name | A105/F6a | A105/F6aHFS | LF2/304 | F11/F6aHF | F304(L)/304(L) | F316(L)/316(L) | F91/410HF |
|-----|------------------|------------|-------------|------------|------------|-----------------|-----------------|------------|
| 1 | Body | A105 | A105HF | LF2 | F11HF | F304(L) | F316(L) | F91HF |
| 3 | Disc | 410 | 410 | 304 | 410HF | 304(L) | 316(L) | F91HF |
| 4 | Stem | F6a | F6a | F304 | F6a | F304(L) | F316(L) | F91 |
| 6 | Bonnet | A105 | A105 | LF2 | F11 | F304(L) | F316(L) | F91 |
| 8 | Pin | 410 | 410 | 410 | 410 | 304 | 304 | 410 |
| 9 | Gland | 410 | 410 | 304 | 410 | 304 | 316 | F91 |
| 10 | Gland eyebolt | B7 | B7 | L7 | B16 | B8(M) | B8(M) | B8 |
| 11 | Gland flange | A105 | A105 | LF2 | F11 | F304 | F304 | F91 |
| 12 | Hex nut | 2H | 2H | 7 | 4 | 8(M) | 8(M) | 8 |
| 13 | Stem nut | 410 | 410 | 410 | 410 | 410 | 410 | 410 |
| 14 | Locking nut | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 15 | Nameplate | AL | AL | AL | AL | AL | AL | AL |
| 16 | Handwheel | A197 | A197 | A197 | A197 | A197 | A197 | A197 |
| 18 | Packing | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |
| 21 | Stem pad | 420 | 420 | 420 | 420 | 316SH | 316SH | F91 |
| 22 | Disc nut | 410 | 410 | 410 | 410 | 304(L) | 316(L) | F91 |
| 23 | Seal ring gasket | 420 | 420 | 304 | 304 | 304(L) | 316(L) | 316 |
| 24 | P.S.ring | 304 | 304 | 304 | 304 | 304 | 316 | 304 |
| 25 | P.S.seat | 420 | 420 | 304 | 304 | 304(L) | 316(L) | F91 |
| 26 | Nut pad | 410 | 410 | 410 | 410 | 410 | 410 | 410 |
| 27 | Draw-in stud | Cart steel | Cart steel | Cart steel | Cart steel | Stainless steel | Stainless steel | Cart steel |

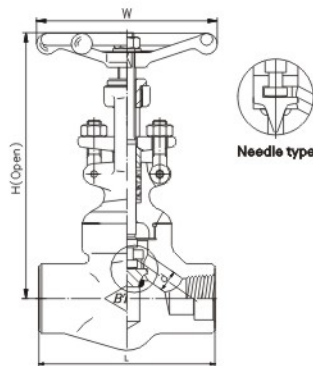
Female threaded and socket welded globe valves



CL800

Bolted bonnet, full bore and reduced bore outside screw and yoke(OS & Y) Threaded, butt-welded or socket welded ends; design to BS 5352.

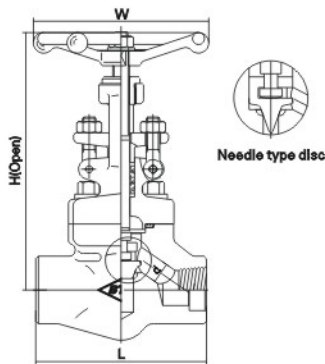
| Specification (NPS) | R.P | - | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|
| | F.P | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
| Face to face | L | 73 | 73 | 80 | 100 | 114 | 145 | 160 | 220 | - |
| Handwheel diameter | W | 100 | 100 | 100 | 125 | 160 | 160 | 180 | 200 | - |
| Height | H | 155 | 155 | 160 | 198 | 217 | 235 | 273 | 303 | - |
| Flow port dimension | d | 7 | 9 | 12 | 17.5 | 22.5 | 29 | 35 | 44 | - |
| Weight(Kg) | | 1.7 | 1.7 | 1.9 | 3.2 | 4.9 | 6.3 | 9.6 | 12.5 | - |



CL800

Welded bonnet, full bore and reduced bore outside screw and yoke(OS & Y) Threaded, butt-welded or socket welded ends; design to BS5352

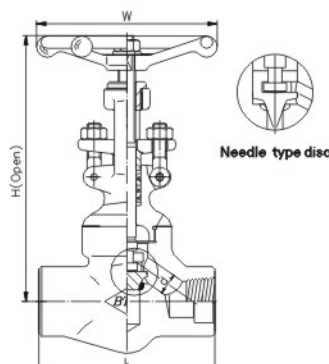
| Specification (NPS) | R.P | - | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|
| | F.P | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
| Face to face | L | 73 | 73 | 80 | 100 | 114 | 145 | 160 | 220 | - |
| Handwheel diameter | W | 100 | 100 | 100 | 125 | 160 | 160 | 180 | 200 | - |
| Height | H | 160 | 160 | 160 | 188 | 215 | 218 | 253 | 280 | - |
| Flow port dimension | d | 7 | 9 | 12 | 17.5 | 22.5 | 29 | 36 | 44 | - |
| Weight(Kg) | | 1.7 | 1.7 | 1.5 | 3.0 | 4.7 | 6.0 | 9.3 | 12.0 | - |



CL900-CL1500

Bolted bonnet, full bore and reduced bore outside screw and yoke(OS&Y) Threaded, butt-welded or socket welded ends; design to BS 5352

| Specification (NPS) | R.P | - | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------|-----|-----|-----|------|-----|-------|-------|-------|-------|-------|
| | F.P | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
| Face to face | L | 80 | 100 | 100 | 114 | 145 | 160 | 172 | - | - |
| Handwheel diameter | W | 100 | 125 | 125 | 160 | 160 | 180 | 200 | - | - |
| Height | H | 160 | 193 | 193 | 212 | 235 | 257 | 300 | - | - |
| Flow port dimension | d | 7 | 11 | 14.5 | 19 | 26 | 29 | 33 | - | - |
| Weight(Kg) | | 2.4 | 3.4 | 3.4 | 5.1 | 7.6 | 10.3 | 12.5 | - | - |



CL900-CL1500

Welded bonnet, full bore and reduced bore outside screw and yoke(O S&Y) Threaded, butt-welded or socket welded ends; design to BS5352

| Specification (NPS) | R.P | - | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |
|---------------------|-----|-----|-----|------|-----|-------|-------|-------|-------|-------|
| | F.P | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 |
| Face to face | L | 80 | 100 | 100 | 114 | 145 | 160 | 172 | - | - |
| Handwheel diameter | W | 100 | 125 | 125 | 160 | 160 | 180 | 200 | - | - |
| Height | H | 160 | 188 | 188 | 195 | 218 | 253 | 300 | - | - |
| Flow port dimension | d | 7 | 11 | 14.5 | 19 | 26 | 29 | 33 | - | - |
| Weight(Kg) | | 2.3 | 3.1 | 3.1 | 5.0 | 7.2 | 9.5 | 11.3 | - | - |