



PARTS & MATERIAL LIST

| ITEM | PART NAME | MATERIAL |
|------|------------------|---------------|
| 1 | Body | ASTM A105 |
| 2 | Seat ring | ASTM A276 410 |
| 3 | Disc | ASTM A276 420 |
| 4 | Stem | ASTM A182 F6a |
| 5 | Gasket | 304+Graphite |
| 6 | Bonnet | ASTM A105 |
| 7 | Bolt | ASTM A193 B7 |
| 8 | Packing | Graphite |
| 9 | Pin | ASTM A276 420 |
| 10 | Gland | ASTM A276 420 |
| 11 | Eye Bolt | ASTM A193 B7 |
| 12 | Gland flange | ASTM A105 |
| 13 | Hex nut | ASTM A194 2H |
| 14 | Lubricant gasket | ASTM A276 410 |
| 15 | Yoke Sleeve | ASTM A240 410 |
| 16 | Handwheel | ASTM A197 |
| 17 | Nameplate | LY-12 |
| 18 | Nut | 1035+zinc |

| Performance | | | |
|-----------------|----------------|------|-----|
| Pressure | 800 | LB | |
| Test | Shell test | 21.0 | Mpa |
| | Back seat test | 15.4 | |
| | Seal test | 15.4 | |
| | Air test | 0.6 | |
| Max temperature | 425 | °C | |
| Medium:W.O.G | | | |

Note:

- 1.Design as per API602
- 2.SW end dimension as per ANSI B 16.11
- 3.NPT end as per ANSI B 1.20.1
- 4.Face to face according to manufactory
- 5.Test & Inspect confirm to API598

| NPS | L | B | ϕD | ϕW | H | ϕd | NPT |
|-------|-----|------|----------|----------|-----|----------|--------|
| 1/2 | 73 | 9.6 | 21.8 | 100 | 144 | 9.5 | 1/2" |
| 3/4 | 80 | 12.7 | 27.1 | 100 | 150 | 13 | 3/4" |
| 1 | 100 | 12.7 | 33.8 | 125 | 180 | 17.5 | 1" |
| 1 1/4 | 114 | 12.7 | 42.6 | 160 | 216 | 24 | 1 1/4" |
| 1 1/2 | 120 | 12.7 | 48.7 | 160 | 235 | 29 | 1 1/2" |
| 2 | 130 | 15.7 | 61.2 | 160 | 270 | 36.5 | 2" |

Gate Valve-800#-Reduced port

| | | | |
|--------------------|--------------|------------------------|------------|
| CLIENT | | DWG REV .NO | 00 |
| P.D.NO | | CLASS | |
| APPROVED BY | | HYDROSTATIC TEST (PSI) | SHELL SEAT |
| REVIEWED BY | | AIR TSET | |
| MADE BY | | DATE | |
| DRAWING NO | 1/2"-2"-3909 | | |
| GDVAL VALVE | | | |