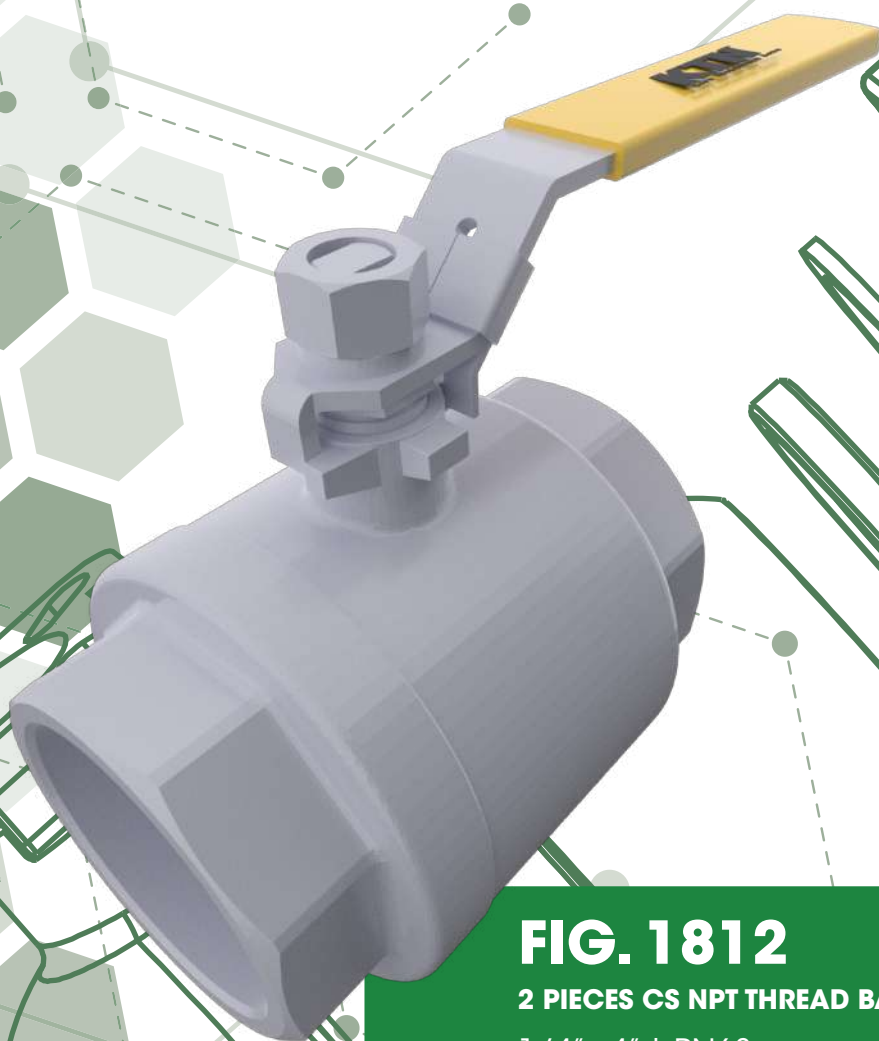




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## FIG. 1812

**2 PIECES CS NPT THREAD BALL VALVE**

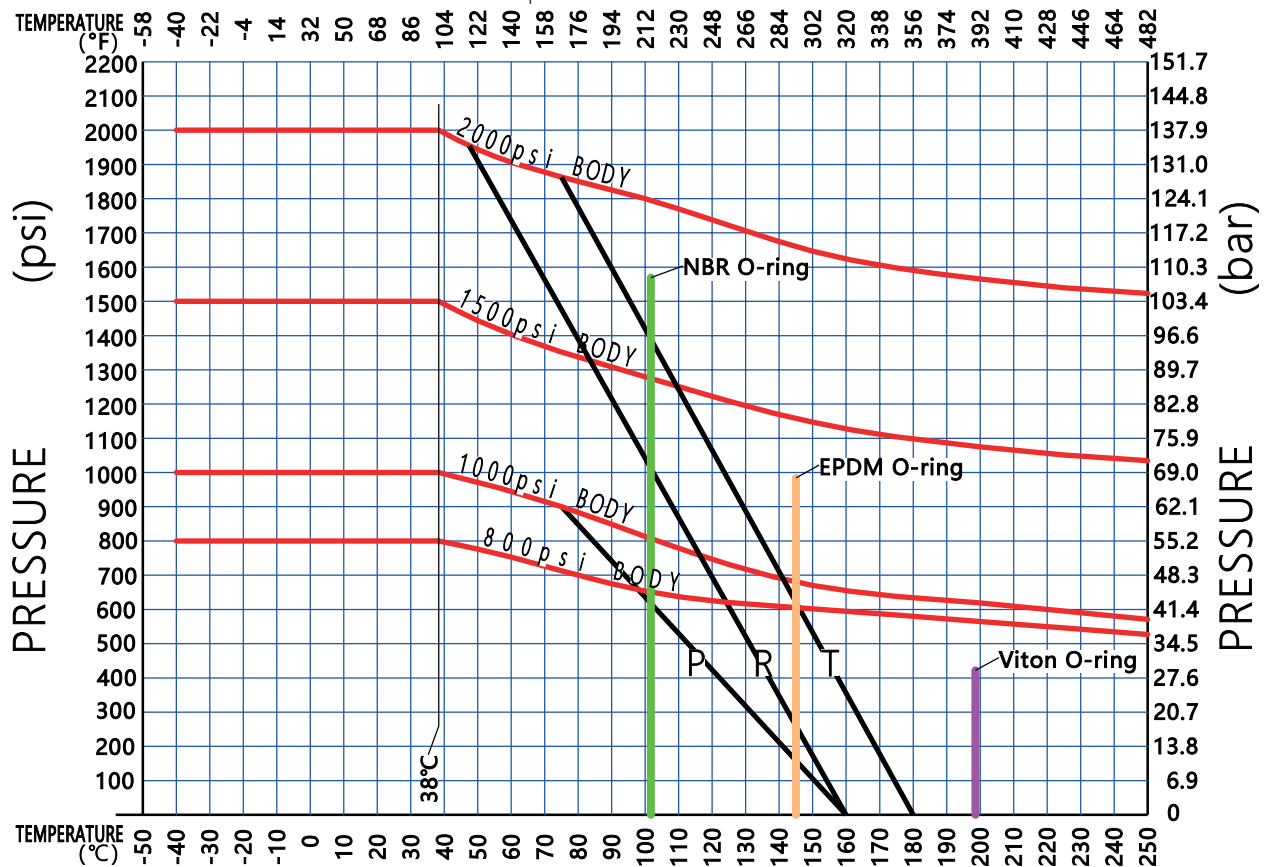
1/4" - 4" | PN63

| GD SEAT MATERIAL |   |  |
|------------------|---|--|
| SEAT MATERIAL    | PECULIARITY   | Tmax   |
| PTFE             | High corrosion resistance, good self - lubrication and wear resistance, easy to cold flow.  | 160°C  |
| RPTFE            | PTFE+15%GF  | Resistance to creep, low coefficient of friction, resistance to chemical corrosion, good insulation.   |
|                  | PTFE+15%CF  | High strength, high temperature resistance, wear resistance, small coefficient of thermal expansion.   |
|                  | TFM1600   | Under high temperature and high pressure, shape denaturation is smaller, permeability is smaller, pressure recovery is better under high temperature, corrosion resistance is high.                        |
|                  | TFM4215   | Smaller deformation and permeability under high temperature and high pressure, better stress recovery under high temperature, excellent heat resistance and chemical resistance, low friction coefficient. |
| PPL              | High temperature resistance, high strength, radiation resistance, chemical corrosion resistance, good self-lubrication performance. | 220°C  |
| PEEK             | High temperature, high pressure, high strength, chemical resistance to PTFE.  | 260°C  |

## CF8/CF8M

2019-1.1

Pressure and temperature curve for seals

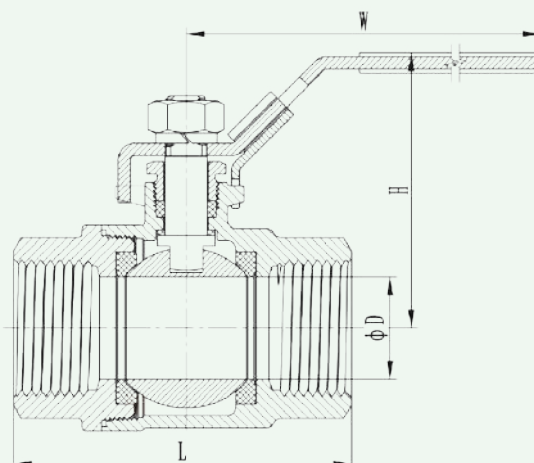
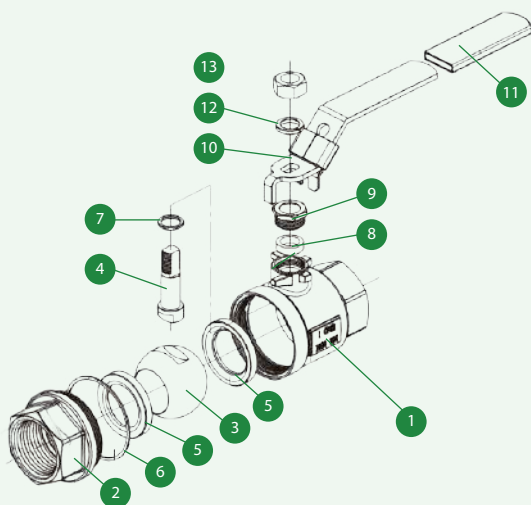


P-PTFE | R-PTFE+15% GLASS FIBER | T-PTFE+15% CARBON FIBER

The data is only for your reference. The performance may be affected under different work situations.

# KTN 1812

CAST STAINLESS STEEL 2 PCS NPT THREAD BALL VALVE



## STANDARD SPECIFICATION

1. Design: API 608
2. Rating: 1000 PSI
3. Thread: ASME B1.20.1, BS21, DIN2999/259, ISO 228-1, JIS B 0203, ISO7-1
4. Inspection: API598, EN12266

## DESIGN FEATURES

1. Full bore
2. Blow-out proof stem

## PART DRAWING

| Nº | Parts Name    | Material  |           |           |
|----|---------------|-----------|-----------|-----------|
| 1  | Body          | CF8M      | CF8       | WCB       |
| 2  | Cap           | CF8M      | CF8       | WCB       |
| 3  | Ball          | F316      | F304      | F304      |
| 4  | Stem          | F316      | F304      | F304      |
| 5  | Seat          | PTFE/RTFE | PTFE/RTFE | PTFE/RTFE |
| 6  | Cap gasket    | PTFE      | PTFE      | PTFE      |
| 7  | Gasket        | PTFE      | PTFE      | PTFE      |
| 8  | Stem packing  | PTFE      | PTFE      | PTFE      |
| 9  | Packing gland | F304      | F304      | F304      |
| 10 | Handle        | 304       | 304       | 304       |
| 11 | Handle cover  | PVC       | PVC       | PVC       |
| 12 | Spring washer | 304       | 304       | 304       |
| 13 | Nut           | A2-70     | A2-70     | A2-70     |

## MEASURES

| NPS    | D    | L    | W   | H    | Weight (Kg) | Torque (N.m) |
|--------|------|------|-----|------|-------------|--------------|
| 1/4"   | 11   | 51.5 | 104 | 51   | 0.06        | 3            |
| 3/8"   | 12.5 | 51.5 | 104 | 51   | 0.1         | 3            |
| 1/2"   | 15   | 63.5 | 104 | 53   | 0.16        | 3            |
| 3/4"   | 20   | 74   | 126 | 65   | 0.245       | 4.5          |
| 1"     | 25   | 86   | 144 | 77   | 0.365       | 5            |
| 1 1/4" | 32   | 98   | 144 | 81.5 | 0.6         | 7            |
| 1 1/2" | 38   | 106  | 189 | 94.5 | 0.8         | 8            |
| 2"     | 50   | 122  | 189 | 102  | 1.31        | 16           |
| 1 1/2" | 65   | 159  | 223 | 119  | 2.33        | 21           |
| 3"     | 76   | 182  | 223 | 129  | 3.49        | 26           |
| 4"     | 94   | 224  | 298 | 169  | 9           | 40           |