# 2 PIECES STAINLESS STEEL BALL VALVE PN63 INITIAL RANGE BSP



CERTIFICAT 3.1 sur demande




## 1. Standards

- ✓ Features Manufacturer certified ISO 9001 : 2015
- ✓ DIRECTIVE 2014/68/EU : CE N° 0036 - Risk Category III Module H
- ✓ Certificate 3.1 on request
- ✓ Pressure Tests according to EN 12266-1, rate A
- ✓ Threaded BSP cylindrical ends according to ISO 228-1

## 2.

| | |
|---|---|
| Use : | Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air |
| Size : | DN1/4" to DN4" |
| Connection : | Female BSP |
| Min Temperature : | -20°C |
| Max Temperature : | +180°C |
| Max Pressure : | 63 Bars (jusqu'au DN3/4") |
| Specifications : | Locking device<br>Full bore<br>Anti blow-out stem |
| Materials : | Stainless steel EN 1.4408 |

## 3. Flow coefficient Kvs (m3/h)

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1"1/4 | 1"1/2 | 2" | 2"1/2 | 3" | 4" |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs ( m3/h ) | 6.6 | 7.98 | 11.45 | 20.35 | 31.79 | 57.8 | 81 | 151 | 262 | 415 | 774 |

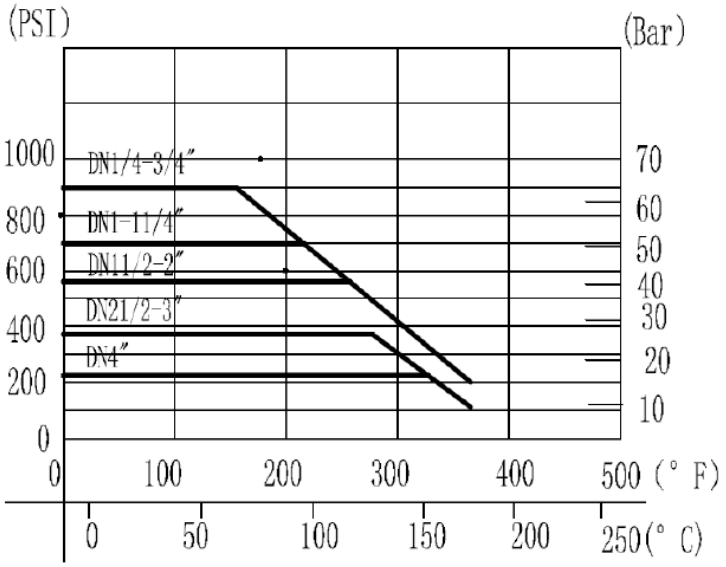


Information provided as an indication and subject to possible modification

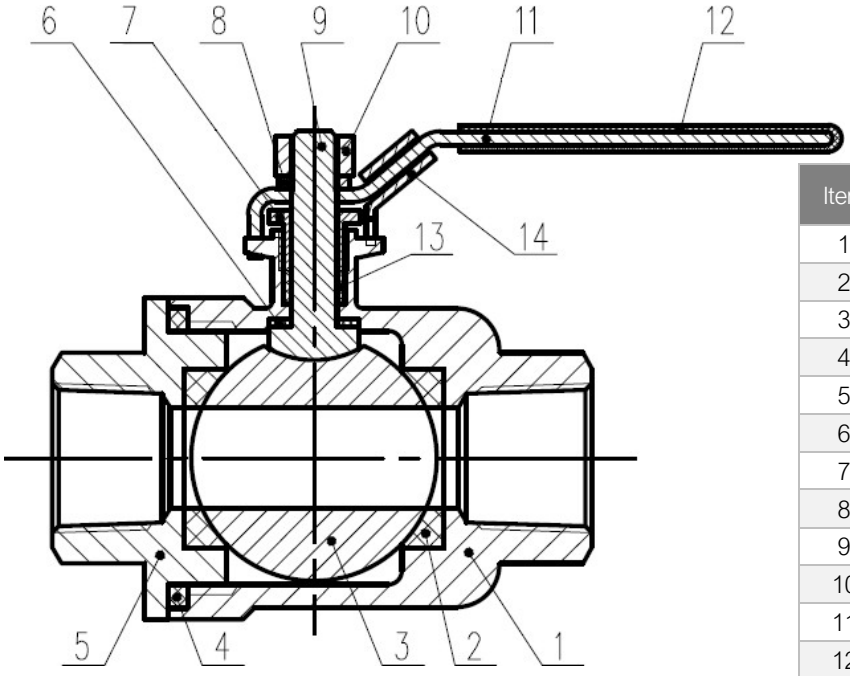
## 4. Torque values (in Nm without safety coefficient)

| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1"1/4 | 1"1/2 | 2" | 2"1/2 | 3" | 4" |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Torque (Nm) | 5 | 7 | 10 | 16 | 24 | 35 | 50 | 80 | 120 | 150 | 180 |

## 5. Pressure / temperature graph




## 6. Materials

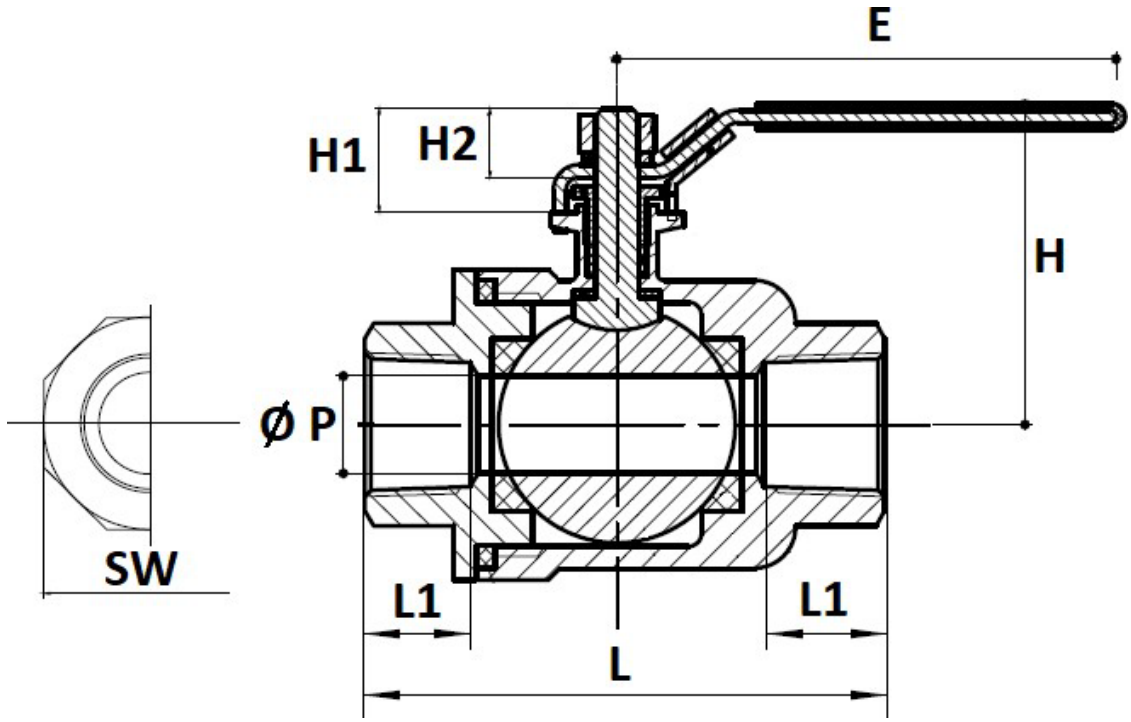



| Item | Designation | Materials |
|---|---|---|
| 1 | Body | EN 1.4408 |
| 2 | Seat | PTFE |
| 3 | Ball | AISI 316 |
| 4 | Body seal | RPTFE |
| 5 | Ends | EN 1.4408 |
| 6 | Thrust washer | PTFE |
| 7 | Gland ring | AISI 304 |
| 8 | Spring washer | |
| 9 | Stem | AISI 316 |
| 10 | Nut | AISI 304 |
| 11 | Handle | |
| 12 | Handle cover | PVC |
| 13 | Packing | PTFE |
| 14 | Locking device | AISI 304 |

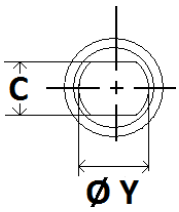


Information provided as an indication and subject to possible modification

## 7. Size (in mm)




Stem size :




| DN | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1"1/4 | 1"1/2 | 2" | 2"1/2 | 3" | 4" |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ø P | 11.5 | 12.5 | 15 | 20 | 25 | 32 | 38 | 50 | 65 | 76 | 94 |
| L | 40 | 41 | 50 | 56 | 68 | 83 | 90 | 111 | 146.5 | 168 | 213 |
| E | 85 | 85 | 95 | 120 | 120 | 135 | 170 | 170 | 235 | 235 | 335 |
| H | 44 | 44 | 46 | 53 | 57 | 71 | 75 | 96 | 128 | 135 | 160 |
| L1 | 8 | 9.5 | 11.5 | 12 | 15 | 16.5 | 17 | 20 | 29 | 32 | 37 |
| W on flat | 16.5 | 20 | 24 | 30 | 36.5 | 46 | 53 | 65.5 | 83 | 96 | 122 |
| C | 5 | 5 | 5 | 5.8 | 5.8 | 7.0 | 7.0 | 8.0 | 12.0 | 12 | 14 |
| Ø Y | M8 | M8 | M8 | M8 | M8 | M10 | M10 | M12 | M16 | M16 | M20 |
| Weight (Kg) | 0.14 | 0.15 | 0.22 | 0.31 | 0.44 | 0.8 | 1.1 | 1.67 | 3.48 | 5 | 9.1 |


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