

# Three Pieces Ball Valves IMF

## 1000 WOG

Size 1/4" - 4" (DN 8 - 100) Stainless Steel

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# FULL BORE

Threaded according:  
DIN 259/2999 (GAS)

CE

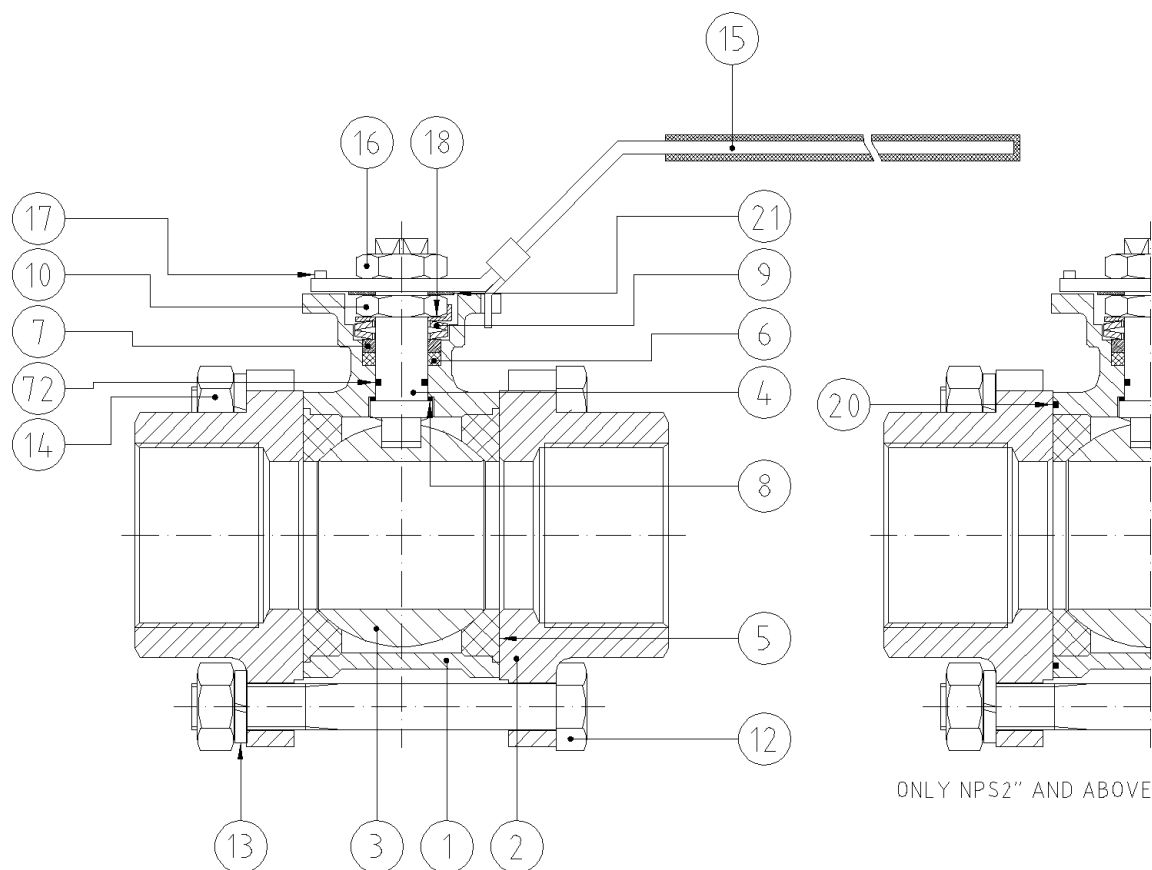
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### Parts and materials



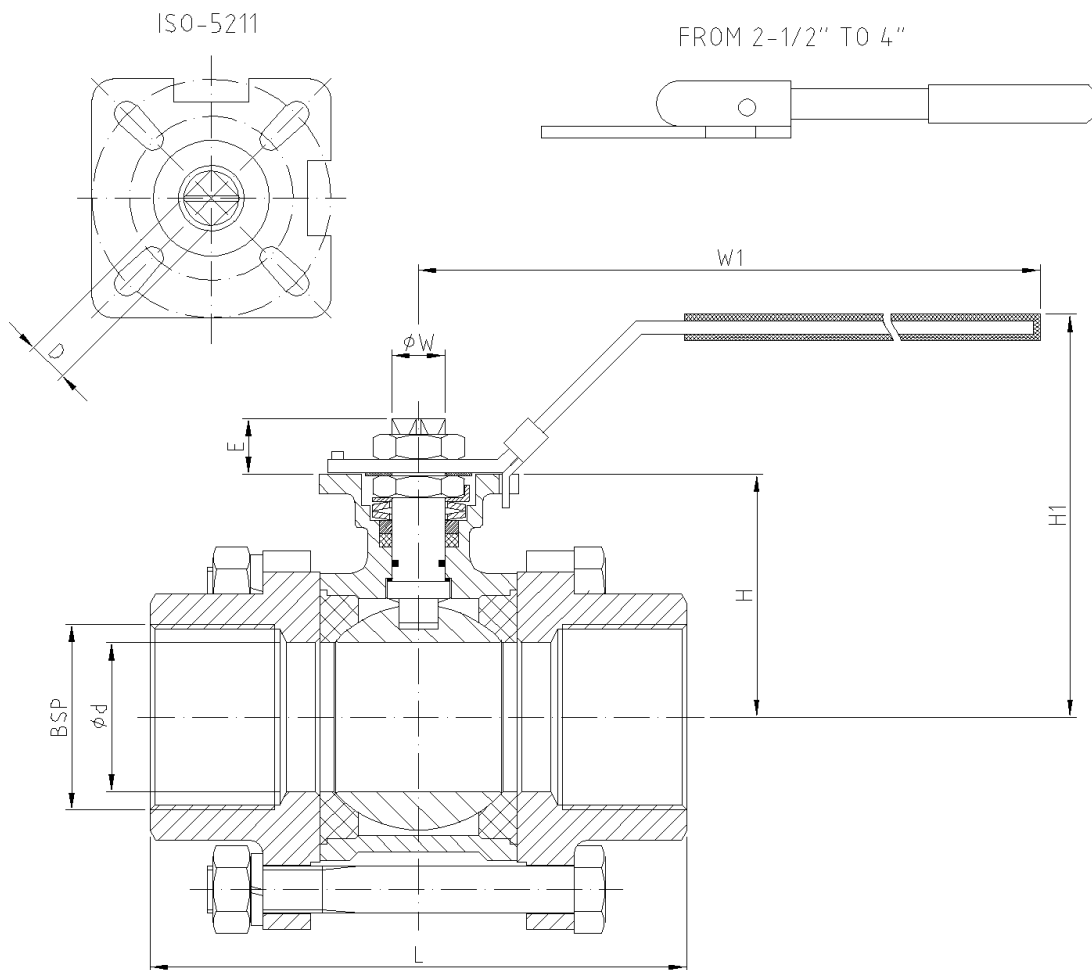
| Item | Description       | Material     |
|------|-------------------|--------------|
| 1    | Body              | AISI 316     |
| 2    | Body connector    | AISI 316     |
| 3    | Ball              | AISI 316     |
| 4    | Stem              | AISI 316     |
| 5    | Seat ring         | PTFE         |
| 6    | Stem packing      | PTFE         |
| 7    | Ring              | AISI 304     |
| 8    | Stem thrust seal  | PTFE         |
| 9    | Belleville washer | AISI 301     |
| 10   | Gland Nut         | AISI 304     |
| 12   | Bolt              | AISI 304     |
| 13   | Washer            | AISI 304     |
| 14   | Nut               | AISI 304     |
| 15   | Handle            | AISI 304+PVC |
| 16   | Handle nut        | AISI 304     |
| 17   | Stop pin          | AISI 304     |
| 18   | Locking washer    | AISI 304     |
| 20   | Gasket            | PTFE         |
| 21   | Washer            | AISI 304     |
| 72   | O'ring            | FKM          |

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### Dimensions



#### Dimensions

| SIZE           | N.P.S  | Ød   | L   | W1  | H     | H1  | E  | D  | ØW | ISO5211 | WEIGHT |
|----------------|--------|------|-----|-----|-------|-----|----|----|----|---------|--------|
| 1/4" (DN 8)    | 1/4"   | 11,6 | 55  | 143 | 38,5  | 70  | 9  | 9  | 12 | F04/03  | 0,58   |
| 3/8" (DN 10)   | 3/8"   | 12,5 | 60  | 143 | 38,5  | 70  | 9  | 9  | 12 | F04/03  | 0,58   |
| 1/2" (DN 15)   | 1/2"   | 15   | 75  | 143 | 38,5  | 70  | 9  | 9  | 12 | F04/03  | 0,57   |
| 3/4" (DN 20)   | 3/4"   | 20   | 80  | 143 | 47,5  | 79  | 9  | 9  | 12 | F04/03  | 0,76   |
| 1" (DN 25)     | 1"     | 25   | 90  | 163 | 59    | 95  | 11 | 11 | 14 | F05/04  | 1,03   |
| 1 1/4" (DN 32) | 1 1/4" | 32   | 110 | 163 | 63,5  | 100 | 11 | 11 | 14 | F05/04  | 1,59   |
| 1 1/2" (DN 40) | 1 1/2" | 38   | 120 | 188 | 79    | 116 | 15 | 14 | 18 | F07/05  | 2,3    |
| 2" (DN 50)     | 2"     | 50   | 140 | 188 | 86,5  | 124 | 15 | 14 | 18 | F07/05  | 3,25   |
| 2 1/2" (DN 65) | 2 1/2" | 64   | 162 | 350 | 109,1 | 141 | 17 | 17 | 22 | F10/07  | 6,9    |
| 3" (DN 80)     | 3"     | 76   | 184 | 350 | 117   | 149 | 17 | 17 | 22 | F10/07  | 11     |
| 4" (DN 100)    | 4"     | 94   | 228 | 350 | 136   | 173 | 22 | 22 | 28 | F12/10  | 19,2   |

(\*) Dimensions in mm and weight in kg.

#### Note:

Dimensions not subject to International Standards can vary in  $\pm 10\%$ .

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Torque, Kv, P&T Rating, Actreg Actuator

Torque Values in Nm

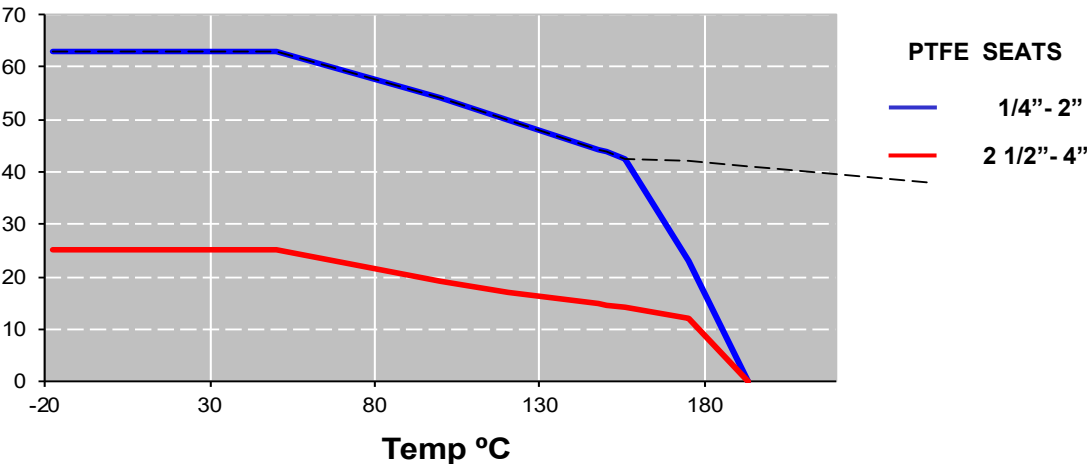
| VALVE SIZE     | AT DIFFERENTIAL PRESSURE<br>63 bar | VALVE SIZE     | AT DIFFERENTIAL PRESSURE<br>25 bar |
|----------------|------------------------------------|----------------|------------------------------------|
| 1/4" (DN 8)    | 4,9                                | 2 1/2" (DN 65) | 58,3                               |
| 3/8" (DN 10)   | 4,9                                | 3" (DN 80)     | 86,8                               |
| 1/2" (DN 15)   | 4,9                                | 4" (DN 100)    | 122,6                              |
| 3/4" (DN 20)   | 6,5                                |                |                                    |
| 1" (DN 25)     | 13,7                               |                |                                    |
| 1 1/4" (DN 32) | 21,6                               |                |                                    |
| 1 1/2" (DN 40) | 29,5                               |                |                                    |
| 2" (DN 50)     | 47                                 |                |                                    |

Kv Values in m³/h

| VALVE SIZE     | Kv   | VALVE SIZE     | Kv    |
|----------------|------|----------------|-------|
| 1/4" (DN 8)    | 6,6  | 1 1/2" (DN 40) | 80,0  |
| 3/8" (DN 10)   | 6,6  | 2" (DN 50)     | 150,0 |
| 1/2" (DN 15)   | 11,2 | 2 1/2" (DN 65) | 265,0 |
| 3/4" (DN 20)   | 21,0 | 3" (DN 80)     | 415,0 |
| 1" (DN 25)     | 34,0 | 4" (DN 100)    | 780,0 |
| 1 1/4" (DN 32) | 57,0 |                |       |

Pressure-Temperature

P Bar



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