

1WE52: 1000 WOG - Stainless Steel Ball Valve

2-Piece • NPT Ends • Stainless Steel • Full Port • Non-Mounting

STANDARD SPECIFICATIONS

| General | |
|---------------------------|---|
| Description | 2 Piece 1000 WOG NPT Stainless Steel Ball Valve |
| Item # | 1WE52-AO-SSTT-OOC-XXXX |
| Figure | 7752 |
| Design Parameters | |
| Mount Type | N/A |
| Port | Full Port |
| NACE | No |
| Fire Safe | No |
| Connection | NPT |
| Materials of Construction | |
| Body | Stainless Steel (A351-CF8M) |
| Ball | 316SS |
| Seat | PTFE |
| Body Gaskets | PTFE |



ORDERING INFORMATION

Valve Only

| Item | Size | Item # |
|---|--------|------------------------|
| E52 Series Ball Valve (Standard Options) | 1/4" | 1WE52-AO-SSTT-OOC-0025 |
| | 3/8" | 1WE52-AO-SSTT-OOC-0038 |
| | 1/2" | 1WE52-AO-SSTT-OOC-0050 |
| | 3/4" | 1WE52-AO-SSTT-OOC-0075 |
| | 1" | 1WE52-AO-SSTT-OOC-0100 |
| | 1-1/2" | 1WE52-AO-SSTT-OOC-0150 |
| | 2" | 1WE52-AO-SSTT-OOC-0200 |

How to Order

Ball Valve & Valve Assembly Ordering Matrix

How to Order: Valve Only

Example: A 2", Two Piece ASME Class 150, Full Port Ball Valve with Flanged Ends, Carbon Steel Body, Stainless Steel Trim, TFM1600 Seats, Graphite Packing, NACE Compliant, Fire Safe, Locking Lever Operated is written: 10E10-AR-CSFG-NFC-0200

| | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| A | B | C | D | E | F | G | H | I | J | K |
| X | X | X | X | X | X | X | X | X | X | X |

| A | Construction Type |
|-------|--|
| 10E10 | 2-PC. ASME-150, Full Port, Flanged |
| 30E10 | 2-PC. ASME-300, Full Port, Flanged |
| 10E15 | 1-PC. ASME-150, Reduced Port, Flanged |
| 30E15 | 1-PC. ASME-300, Reduced Port, Flanged** |
| 2WE20 | 3-PC. 2000WOG, Full Port, NPT/SW/BW/BWE (≤1") |
| 5WE20 | 3-PC. 1500WOG, Full Port, NPT/SW/BW/BWE (>1") |
| 2WE30 | 2-PC. 2000WOG, Full Port, NPT (≤1") |
| 5WE30 | 2-PC. 1500WOG, Full Port, NPT (>1") |
| 1WE52 | 2-PC. 1000WOG, Full Port, NPT* |
| 1WE55 | 1-PC. 1000WOG, Double Red. Port, NPT* |
| 10E60 | 3-Way ASME-150, Full Port, L/T Port, Flanged |
| 30E60 | 3-Way ASME-300, Full Port, L/T Port, Flanged** |
| 1WE70 | 3-Way 1000WOG, Full Port, L/T Port, NPT |

| B | Port Configuration |
|---|-------------------------------------|
| A | As Defined (Standard Configuration) |
| T | T-Port |
| L | L-Port |
| 3 | 30° V-Notch** |
| 6 | 60° V-Notch** |

| C | End Connection |
|---|----------------|
| B | BW x BW** |
| X | BWE x BWE |
| R | RF Flange |
| O | FNPT x FNPT |
| W | SW x SW |
| U | FNPT x SW |
| J | RTJ Flange** |

| D | Body Material |
|---|-----------------------------|
| C | Carbon Steel (A216-WCB) |
| A | Alloy 20** |
| S | Stainless Steel (A351-CF8M) |

| E | Trim |
|---|-----------------|
| C | Carbon Steel |
| A | Alloy 20** |
| S | Stainless Steel |

| F | Seats |
|---|------------------------|
| E | EK+PTFE** |
| F | TFM1600 |
| G | TFM4215 |
| H | TFM1600 + 15% Carbon** |
| P | PEEK*** |
| R | RTFE** |
| T | PTFE |
| Z | METAL** |
| V | 50%PTFE +50%SS** |

| G | Body Gasket |
|---|------------------|
| G | Graphite/GRAFOIL |
| T | PTFE |

| H | NACE |
|---|----------|
| N | NACE |
| O | NON-NACE |

| I | Fire Safe |
|---|---------------|
| F | Fire Safe |
| O | NON-Fire Safe |

| J | Operator |
|---|------------------------|
| C | Locking Lever/T-Handle |
| G | Gear |

| K | Port Size | |
|------|-----------|-----|
| | NPS | DN |
| 0025 | 1/4" | 8 |
| 0038 | 3/8" | 10 |
| 0050 | 1/2" | 15 |
| 0075 | 3/4" | 20 |
| 0100 | 1" | 25 |
| 0125 | 1-1/4" | 32 |
| 0150 | 1-1/2" | 40 |
| 0200 | 2" | 50 |
| 0250 | 2-1/2" | 65 |
| 0300 | 3" | 80 |
| 0400 | 4" | 100 |
| 0500 | 5" | 125 |
| 0600 | 6" | 150 |
| 0800 | 8" | 200 |

Note:

* Manual operation only (A)

** Full factory lead time may be required for valves with these components.

*** PEEK Seats only available for valves sizes 4" and below.

Flanged Valves



- ASME 150 & 300
- Full Port, Reduced Port, V-Port, 3-Way
- Ta-Luft emission compliance
- TFM Seat standard with other options available
- Fire Safe certified and NACE standard
- Flanges are in accordance with ASME B16.5 RF
- ISO 5211 Direct Mount Design

NPT and Welded Valves



- ASME 1000 WOG – 2000 WOG
- Full Port, Reduced Port, V-Port, 3-Way
- Ta-Luft emission compliance
- TFM Seat standard with other options available
- Fire Safe certified and NACE standard
- 100% tight and are tested in accordance with API 598

Double Acting Pneumatic Actuator



- Compact
- Suitable for high duty cycles
- Fast opening and closing times
- Few moving parts: increases operational safety
- Modular design for easy mounting of accessories
- Other options available

Spring Return Pneumatic Actuator



- Compact
- Fail-safe function can easily be realized in spring closing or spring opening configuration
- Suitable for high duty cycles
- Fast opening and closing times
- Few moving parts: increases operational safety
- Other options available

Electric Actuator



- Compact
- Wide range of voltage options
- Noiseless
- Self-locking reduction gear
- Emergency hand wheel operator
- Modulating actuator available for V-port Ball Valves
- Other options available

Extended Stem



- Suitable for insulation purposes
- Standard length: 4" length (up to size 4") and 4.7" length (6" and 8")
- Can be equipped with a pneumatic or electric actuator

Smart Positioner



- Linear or Rotary Action
- Single or Double Acting
- Push Button Calibration
- 4 - 20 mA Input Control Signal
- -22°F - 185°F (-30°C - 85°C) Ambient Temperature
- HART Capable
- Linear, Quick Opening, =%, & User Defined Characteristics
- Other options available

Limit Switch



- Mechanical and Proximity applications
- Bolt on visual position indicator
- Dual cable entries
- Includes Namur mounting bracket
- Other options available

Econ Service Centers

- Stocking, assembly, and testing service centers all over the USA
- Able to assemble and ship day of order on request
- Supported by ERIKS Europe who have the largest stocking of valves and actuators in Europe



Econ North American Partners

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