

2WE20/5WE20: 2000 - 1500 WOG - Carbon Steel Ball Valve

3-Piece • NPT Ends • Carbon Steel • Full Port • Direct Mount Actuation Design

STANDARD SPECIFICATIONS

| General | |
|--------------------|--|
| Description | 3 Piece 2000-1500 WOG NPT Carbon Steel Ball Valve |
| Item # | 2WE20-AO-CSGG-NFC-XXXX (≤1") 5WE20-AO-CSGG-NFC-XXXX (>1") |
| Figure | 7522 |
| Design Parameters | |
| Mount Type | Direct Mount |
| Port | Full Port |
| NACE | Yes |
| Fire Safe | Yes |
| Connection | NPT |

| Materials of Construction | |
|---------------------------|----------------------------|
| Body | Carbon Steel (A216-WCB) |
| Ball | 316SS |
| Seat | TFM 4215 |
| Body Gaskets | 316 Spiral Wound + GRAFOIL |

ORDERING INFORMATION

Valve Only

| Item | Size | Item # |
|---|--------|------------------------|
| E20 Series Ball Valve (Standard Options) | 1/4" | 2WE20-AO-CSGG-NFC-0025 |
| | 3/8" | 2WE20-AO-CSGG-NFC-0038 |
| | 1/2" | 2WE20-AO-CSGG-NFC-0050 |
| | 3/4" | 2WE20-AO-CSGG-NFC-0075 |
| | 1" | 2WE20-AO-CSGG-NFC-0100 |
| | 1-1/4" | 5WE20-AO-CSGG-NFC-0125 |
| | 1-1/2" | 5WE20-AO-CSGG-NFC-0150 |
| | 2" | 5WE20-AO-CSGG-NFC-0200 |



Repair Kits & Accessories

| REPAIR KITS & ACCESSORIES | REPLACEMENT BODY GASKET GRAF OIL | | TFM 4215 REPAIR KIT | 50%SS + 50% PTFE REPAIR KIT |
|---------------------------|----------------------------------|--------------------|---------------------|-----------------------------|
| | Size | Item # | Item # | Item # |
| | 1/4" | E20-GASKET-STD0025 | E20-TFM4215KIT-0025 | E20-50/50KIT-0025 |
| | 3/8" | E20-GASKET-STD0038 | E20-TFM4215KIT-0038 | E20-50/50KIT-0038 |
| | 1/2" | E20-GASKET-STD0050 | E20-TFM4215KIT-0050 | E20-50/50KIT-0050 |
| | 3/4" | E20-GASKET-STD0075 | E20-TFM4215KIT-0075 | E20-50/50KIT-0075 |
| | 1" | E20-GASKET-STD0100 | E20-TFM4215KIT-0100 | E20-50/50KIT-0100 |
| | 1-1/4" | E20-GASKET-STD0125 | E20-TFM4215KIT-0125 | E20-50/50KIT-0125 |
| | 1-1/2" | E20-GASKET-STD0150 | E20-TFM4215KIT-0150 | E20-50/50KIT-0150 |
| | 2" | E20-GASKET-STD0200 | E20-TFM4215KIT-0200 | E20-50/50KIT-0200 |

| REPAIR KITS & ACCESSORIES | STEM EXTENSION | | HEAVY DUTY LEVER | CONTROL BALL 30° V-PORT (SPARE PART) | CONTROL BALL 60° V-PORT (SPARE PART) |
|---------------------------|----------------|-----------------|------------------|--------------------------------------|--------------------------------------|
| | Size | Item # | Item # | Item # | Item # |
| | 1/4" | EC08007ECONELJ | - | - | - |
| | 3/8" | EC08007ECONELJ | - | - | - |
| | 1/2" | EC08007ECONELJ | EC06001B0015S4L0 | - | - |
| | 3/4" | EC08007ECONEARJ | EC06001B0020S4L0 | - | - |
| | 1" | EC08007ECONEAMK | EC06001B0025S4L0 | - | - |
| | 1-1/4" | EC08007ECONEASK | EC06001B0025S4L0 | - | - |
| | 1-1/2" | EC08007ECONEANL | EC06001B0040S4L0 | E20-30VPORT-0150 | E20-60VPORT-0150 |
| | 2" | EC08007ECONEANL | EC06001B0040S4L0 | E20-30VPORT-0200 | E20-60VPORT-0200 |

2WE20/5WE20: 2000 - 1500 WOG - Carbon Steel Ball Valve

3-Piece • NPT Ends • Carbon Steel • Full Port • Direct Mount Actuation Design

BASE ASSEMBLIES

| | E20 + DOUBLE ACTING ACTUATOR | | | E20 + SPRING RETURN ACTUATOR, FAIL CLOSE | | | E20 + SPRING RETURN ACTUATOR, FAIL OPEN | | |
|-----------------------------|------------------------------|--------------------------------------|--------------------------------------|--|---------------------------------------|--------|---|--------|--|
| | Item | Size | Item # | Item # | Item # | Item # | Item # | Item # | |
| PNEUMATIC ASSEMBLIES | 60 PSI | 1/4" | 2WE20-AO-CSGG-NFC-0025+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S04C08-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S02A04-X-X-XXX | | | | |
| | | 3/8" | 2WE20-AO-CSGG-NFC-0038+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S04C08-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S02A04-X-X-XXX | | | | |
| | | 1/2" | 2WE20-AO-CSGG-NFC-0050+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S04C08-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S04A08-X-X-XXX | | | | |
| | | 3/4" | 2WE20-AO-CSGG-NFC-0075+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S04C08-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S04A08-X-X-XXX | | | | |
| | | 1" | 2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S08C08-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S08A08-X-X-XXX | | | | |
| | | 1-1/4" | 5WE20-AO-CSGG-NFC-0125+DA08-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S13C10-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S13A08-X-X-XXX | | | | |
| | | 1-1/2" | 5WE20-AO-CSGG-NFC-0150+DA08-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S20C10-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S13A10-X-X-XXX | | | | |
| | | 2" | 5WE20-AO-CSGG-NFC-0200+DA13-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S30C10-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S20A08-X-X-XXX | | | | |
| | 80 PSI | 1/4" | 2WE20-AO-CSGG-NFC-0025+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S02C06-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S02A06-X-X-XXX | | | | |
| | | 3/8" | 2WE20-AO-CSGG-NFC-0038+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S02C06-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S02A06-X-X-XXX | | | | |
| | | 1/2" | 2WE20-AO-CSGG-NFC-0050+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S02A06-X-X-XXX | | | | |
| | | 3/4" | 2WE20-AO-CSGG-NFC-0075+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S04A10-X-X-XXX | | | | |
| | | 1" | 2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S04A10-X-X-XXX | | | | |
| | | 1-1/4" | 5WE20-AO-CSGG-NFC-0125+DA04-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S08C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S08A14-X-X-XXX | | | | |
| | | 1-1/2" | 5WE20-AO-CSGG-NFC-0150+DA08-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S13C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S13A14-X-X-XXX | | | | |
| | | 2" | 5WE20-AO-CSGG-NFC-0200+DA08-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S20C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S20A14-X-X-XXX | | | | |
| | 100 PSI | 1/4" | 2WE20-AO-CSGG-NFC-0025+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S02C06-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+S02A06-X-X-XXX | | | | |
| | | 3/8" | 2WE20-AO-CSGG-NFC-0038+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S02C06-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+S02A06-X-X-XXX | | | | |
| | | 1/2" | 2WE20-AO-CSGG-NFC-0050+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+S02A06-X-X-XXX | | | | |
| | | 3/4" | 2WE20-AO-CSGG-NFC-0075+DA02-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+S02A06-X-X-XXX | | | | |
| | | 1" | 2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S04C14-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+S04A14-X-X-XXX | | | | |
| | | 1-1/4" | 5WE20-AO-CSGG-NFC-0125+DA04-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S08C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+S08A14-X-X-XXX | | | | |
| | | 1-1/2" | 5WE20-AO-CSGG-NFC-0150+DA04-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S13C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+S13A14-X-X-XXX | | | | |
| | | 2" | 5WE20-AO-CSGG-NFC-0200+DA08-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S20C14-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+S20A14-X-X-XXX | | | | |
| ELECTRIC ASSEMBLIES | 24VDC | E20 + ELECTRIC ACTUATOR, ON/OFF | | | E20 + ELECTRIC ACTUATOR, MODULATING | | | | |
| | | 1/4" | 2WE20-AO-CSGG-NFC-0025+E04DS-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+E06DM-X-X-XXX | | | | | |
| | | 3/8" | 2WE20-AO-CSGG-NFC-0038+E04DS-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+E06DM-X-X-XXX | | | | | |
| | | 1/2" | 2WE20-AO-CSGG-NFC-0050+E04DS-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+E06DM-X-X-XXX | | | | | |
| | | 3/4" | 2WE20-AO-CSGG-NFC-0075+E04DS-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+E06DM-X-X-XXX | | | | | |
| | | 1" | 2WE20-AO-CSGG-NFC-0100+E04DS-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+E06DM-X-X-XXX | | | | | |
| | | 1-1/4" | 5WE20-AO-CSGG-NFC-0125+E04DS-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+E06DM-X-X-XXX | | | | | |
| | | 1-1/2" | 5WE20-AO-CSGG-NFC-0150+E08DS-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+E06DM-X-X-XXX | | | | | |
| | 2" | 5WE20-AO-CSGG-NFC-0200+E08DS-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+E06DM-X-X-XXX | | | | | | |
| | 110VAC | 1/4" | 2WE20-AO-CSGG-NFC-0025+E04AS-X-X-XXX | 2WE20-AO-CSGG-NFC-0025+E06AM-X-X-XXX | | | | | |
| | | 3/8" | 2WE20-AO-CSGG-NFC-0038+E04AS-X-X-XXX | 2WE20-AO-CSGG-NFC-0038+E06AM-X-X-XXX | | | | | |
| | | 1/2" | 2WE20-AO-CSGG-NFC-0050+E04AS-X-X-XXX | 2WE20-AO-CSGG-NFC-0050+E06AM-X-X-XXX | | | | | |
| | | 3/4" | 2WE20-AO-CSGG-NFC-0075+E04AS-X-X-XXX | 2WE20-AO-CSGG-NFC-0075+E06AM-X-X-XXX | | | | | |
| | | 1" | 2WE20-AO-CSGG-NFC-0100+E04AS-X-X-XXX | 2WE20-AO-CSGG-NFC-0100+E06AM-X-X-XXX | | | | | |
| | | 1-1/4" | 5WE20-AO-CSGG-NFC-0125+E04AS-X-X-XXX | 5WE20-AO-CSGG-NFC-0125+E06AM-X-X-XXX | | | | | |
| | | 1-1/2" | 5WE20-AO-CSGG-NFC-0150+E06AS-X-X-XXX | 5WE20-AO-CSGG-NFC-0150+E06AM-X-X-XXX | | | | | |
| 2" | | 5WE20-AO-CSGG-NFC-0200+E06AS-X-X-XXX | 5WE20-AO-CSGG-NFC-0200+E06AM-X-X-XXX | | | | | | |



EXTENDED ASSEMBLIES

| EXTENDED ASSEMBLIES | 2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX | | | | | | | | | | | |
|----------------------------|---|-------------|--------|--------|---|---------------------|---------------------|--------|---|--------|--------|----------|
| | Solenoid (2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX) | | | | Limit Switch (2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX) | | | | Positioner (2WE20-AO-CSGG-NFC-0100+DA04-X-X-XXX) | | | |
| | Matrix | Manuf. | Signal | Rating | Matrix | Manuf. | Contact | Rating | Matrix | Type | Option | Actuator |
| | A | ASCO | 24VDC | NEMA 4 | V | Econ | (2) SPDT Mechanical | NEMA 4 | A | Smart | NEMA 4 | DA / SR |
| L | ASCO | 24VAC | NEMA 4 | W | TopWorx | (2) SPDT Mechanical | NEMA 4 | B | Smart | NEMA 4 | SR | |
| B | ASCO | 110VAC/50HZ | NEMA 4 | Y | TopWorx | (2) SPDT Mechanical | NEMA 7 | T | Custom Positioner Option | | | |
| C | ASCO | 24VDC | NEMA 7 | T | Custom Limit Switch Option | | | | | | | |
| M | ASCO | 24VDC | NEMA 7 | | | | | | | | | |
| D | ASCO | 110VAC/50HZ | NEMA 7 | | | | | | | | | |
| T | Custom Solenoid Option | | | | | | | | | | | |

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 |

| 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 |

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

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

| 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** |

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

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

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

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

| 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.

How to Order

Ball Valve & Valve Assembly Ordering Matrix

How to Order: Valve Assembly

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 with **Spring Return Actuator, Fail Closed, 12 Springs, 24VDC NEMA 7 Solenoid, and NEMA 7 Mechanical Limit Switch** is written: 10E10-AR-CSFG-NFC-0200 + **S04C12-C-C-XXX**



| L | Actuator: None |
|---|----------------|
| X | NO Actuator |

OR

| Actuator: Double Acting | | | |
|-------------------------|----------|------|----------|
| L | Size | L | Size |
| DA01 | EDA 0010 | DA50 | EDA 0500 |
| DA02 | EDA 0020 | DA85 | EDA 0850 |
| DA04 | EDA 0040 | DA12 | EDA 1200 |
| DA08 | EDA 0080 | DA17 | EDA 1750 |
| DA13 | EDA 0130 | DA21 | EDA 2100 |
| DA20 | EDA 0200 | DA25 | EDA 2500 |
| DA30 | EDA 0300 | | |

OR

| Actuator: Spring Return | | | |
|-------------------------|-------------|--------|-------------|
| L | Fail Closed | L | Fail Open |
| S02C06 | ESR 0020 FC | S02A06 | ESR 0020 FO |
| S04C14 | ESR 0040 FC | S04A14 | ESR 0040 FO |
| S08C14 | ESR 0080 FC | S08A14 | ESR 0080 FO |
| S13C14 | ESR 0130 FC | S13A14 | ESR 0130 FO |
| S20C14 | ESR 0200 FC | S20A14 | ESR 0200 FO |
| S30C14 | ESR 0300 FC | S30A14 | ESR 0300 FO |
| S50C14 | ESR 0500 FC | S50A14 | ESR 0500 FO |
| S85C14 | ESR 0850 FC | S85A14 | ESR 0850 FO |
| S12C14 | ESR 1200 FC | S12A14 | ESR 1200 FO |
| S17C14 | ESR 1750 FC | S17A14 | ESR 1750 FO |
| S21C14 | ESR 2100 FC | S21A14 | ESR 2100 FO |
| S25C14 | ESR 2500 FC | S25A14 | ESR 2500 FO |
| S40C14 | ESR 4000 FC | S40A14 | ESR 4000 FO |

Change the spring quantity by replacing the last 2 characters (underlined) with a new code.

| Change Spring Count | | | |
|---------------------|-----------|----|------------|
| 04 | 4 Springs | 10 | 10 Springs |
| 06 | 6 Springs | 12 | 12 Springs |
| 08 | 8 Springs | 14 | 14 Springs |

OR

| Actuator: Electric (On/Off) | | | |
|-----------------------------|---------------|-------|--------------|
| L | 110 V | L | 24V |
| E04AS | ELA 0040 110V | E04DS | ELA 0040 24V |
| E06AS | ELA 0060 110V | E08DS | ELA 0080 24V |
| E08AS | ELA 0080 110V | | |
| E10AS | ELA 0100 110V | | |
| E15AS | ELA 0150 110V | | |
| E20AS | ELA 0200 110V | | |
| E30AS | ELA 0300 110V | | |
| E50AS | ELA 0500 110V | | |
| E60AS | ELA 0600 110V | | |
| E80AS | ELA 0800 110V | | |
| E12AS | ELA 1200 110V | | |

If Electric Modulation is needed, change the last character (underlined) from S to M.

| M | Solenoid Valve |
|---|--|
| X | NO Solenoid |
| A | Solenoid, NEMA 4 Watertight, 24VDC |
| L | Solenoid, NEMA 4 Watertight, 24VAC |
| B | Solenoid, NEMA 4 Watertight, 110VAC |
| C | Solenoid, NEMA 7 Explosion proof, 24VDC |
| M | Solenoid, NEMA 7 Explosion proof, 24VAC |
| D | Solenoid, NEMA 7 Explosion proof, 110VAC |
| T | Custom Solenoid Option |

| N | Limit Switch |
|---|--|
| X | NO Limit Switch |
| V | Limit Switch, NEMA 4 Mechanical |
| W | Limit Switch, NEMA 4 Proximity |
| Y | Limit Switch, NEMA 7 Explosion proof, Mechanical |
| Z | Limit Switch, NEMA 7 Explosion proof, Proximity |
| T | Custom Limit Switch Option |

| O | Positioner |
|---|---|
| X | NO Positioner |
| A | Smart Positioner, NEMA 4, Single Acting |
| B | Smart Positioner, NEMA 4, Double Acting |
| T | Custom Positioner Option |

| P | Other |
|---|---------------|
| X | No other item |

| Q | Linkage Kit |
|---|----------------|
| X | NO Linkage Kit |
| L | Linkage Kit |

Note:
Contact sales for additional valve assembly accessory options.

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

Industrial Controls
an ERIKS Company

Rawson
an ERIKS company