



Actuation and Controls Price List

ACT-0318

Effective: March 1, 2018

Revised: 05/30/18

Suggested list prices are subject to change without notification. Visit our Website for the most up-to-date product information.

TABLE OF CONTENTS

| <u>PRODUCT / SERIES</u> | <u>PAGE NUMBER</u> |
|-------------------------------------|--------------------|
| MC SERIES RACK & PINION ACTUATOR | 2 |
| MC SERIES OPTIONS | 3 |
| LIMIT SWITCHES | 4 |
| POSITIONERS | 5 |
| MC SERIES ELECTRIC ACTUATORS | 6 |
| LB SERIES ELECTRIC ACTUATOR | 7 |
| LB SERIES ACCESSORIES | 8 |
| MOUNTING BRACKETS & 3 WAY TEE LINKS | 9 |

Visit our website for complete product details, information and terms and conditions of sale.

Milwaukee Valve Company | 16550 West Stratton Drive | New Berlin | WI | 53151

Phone: (262) 432-2700

Website: www.milwaukeevalve.com

MC SERIES PNEUMATIC RACK & PINION ACTUATORS

| DOUBLE ACTING MODEL | LIST PRICE | SPRING RETURN MODEL | LIST PRICE | HIGH TEMP SEAL ADDER (1,2) | REVERSE ROTATION ADDER (2) |
|---------------------|-------------|---------------------|--------------|----------------------------|----------------------------|
| MC20 | \$ 313.04 | MC20S5 | \$ 397.82 | \$ 126.85 | \$ 74.95 |
| MC34 | \$ 374.79 | MC34S5 | \$ 436.27 | \$ 126.85 | \$ 74.95 |
| MC48 | \$ 451.48 | MC48S5 | \$ 565.05 | \$ 136.45 | \$ 74.95 |
| MC75 | \$ 530.25 | MC75S5 | \$ 636.18 | \$ 144.15 | \$ 74.95 |
| MC105 | \$ 641.00 | MC105S5 | \$ 764.95 | \$ 153.75 | \$ 74.95 |
| MC157 | \$ 768.79 | MC157S5 | \$ 911.00 | \$ 165.28 | \$ 74.95 |
| MC237 | \$ 1,003.01 | MC237S5 | \$ 1,151.24 | \$ 190.27 | \$ 74.95 |
| MC331 | \$ 1,126.53 | MC331S5 | \$ 1,331.90 | \$ 190.27 | \$ 74.95 |
| MC406 | \$ 1,499.22 | MC406S5 | \$ 1,797.01 | \$ 399.77 | \$ 74.95 |
| MC633 | \$ 1,874.02 | MC633S5 | \$ 2,175.64 | \$ 399.77 | \$ 74.95 |
| MC1009 | \$ 2,474.56 | MC1009S5 | \$ 2,917.51 | \$ 438.18 | \$ 123.00 |
| MC1260 | \$ 3,124.07 | MC1260S5 | \$ 3,688.18 | \$ 624.63 | \$ 123.00 |
| MC1831 | \$ 6,616.59 | MC1831S5 | \$ 8,933.18 | \$ 626.55 | \$ 123.00 |
| MC2928 | \$ 7,369.35 | MC2928S5 | \$ 10,768.61 | \$ 659.23 | \$ 123.00 |

(1) High temperature seals are good for continuous temperatures from 250° F to 300° F

(2) The list adder prices are to be added before the discounts are applied

MC SERIES SOLENOID VALVES FOR 4 WAY AND 3 WAY REQUIREMENTS

| MODEL | FITS ACTUATOR MODELS | NEMA RATING | STANDARD VOLTAGE | LIST PRICE | SPEED CONTROLS |
|-------------------|----------------------|-------------|------------------|------------|----------------|
| SC8551A1MS† | MC10-MC2928 | 4 | 120 AC, 60Hz | \$ 222.53 | \$ 55.14 |
| EF8551A1MS† | MC10-MC2928 | 4/7/9 | 120 AC, 60Hz | \$ 481.30 | \$ 55.14 |
| SC8551A1MS220VAC† | MC10-MC2928 | 4 | 220 AC, 60Hz | \$ 293.88 | \$ 55.14 |
| SC8551A1MS24VDC† | MC10-MC2928 | 4 | 24 DC | \$ 293.88 | \$ 55.14 |
| SC8551A1MS24VAC† | MC10-MC2928 | 4 | 24 AC, 60Hz | \$ 293.88 | \$ 55.14 |
| SC8551A1MS12VDC† | MC10-MC2928 | 4 | 12 DC | \$ 293.88 | \$ 55.14 |
| 290413-001 Plug | | | | \$ 20.19 | |

†Requires Plug 290413-001

MANUAL GEAR WITH DECLUTCHABLE OVERRIDES

| FITS D/A ACTUATOR MODEL NO. | MODEL | LIST PRICE |
|--------------------------------|---------|-------------|
| MC75 - MC105 | UTM28 | \$ 416.67 |
| MC157 - MC331 | UTZM49 | \$ 729.17 |
| MC406 - MC633 | UTZM65 | \$ 916.67 |
| MC1009 - M1260 | UTZM89 | \$ 1,770.83 |
| MC1831 - MC2928 | CONSULT | POA |

NOTE: List price does not include mounting bracket, please contact your customer service representative for bracket cost.

MC PNEUMATIC ACTUATORS SERVICE PARTS

| FITS ACTUATOR MODEL NO. | SPRING CARTRIDGE PART NO. ¹ | | STANDARD TEMPERATURE REPAIR KIT PART NO. ² | | HIGH TEMPERATURE REPAIR KIT PART NO. ³ | |
|----------------------------|--|------------|--|------------|--|-------------|
| | PART NO. | LIST PRICE | PART NO. | LIST PRICE | PART NO. | LIST PRICE |
| MC20 | MC20SC | \$ 18.96 | MC20RK | \$ 52.22 | MC20RKHT | \$ 93.75 |
| MC34 | MC34SC | \$ 18.96 | MC34RK | \$ 78.33 | MC34RKHT | \$ 153.65 |
| MC48 | MC48SC | \$ 18.96 | MC48RK | \$ 79.97 | MC48RKHT | \$ 169.27 |
| MC75 | MC75SC | \$ 24.79 | MC75RK | \$ 99.86 | MC75RKHT | \$ 179.69 |
| MC105 | MC105SC | \$ 24.79 | MC105RK | \$ 104.45 | MC105RKHT | \$ 205.73 |
| MC157 | MC157SC | \$ 32.08 | MC157RK | \$ 117.50 | MC157RKHT | \$ 229.17 |
| MC237 | MC237SC | \$ 33.54 | MC237RK | \$ 124.03 | MC237RKHT | \$ 244.79 |
| MC331 | MC331SC | \$ 39.38 | MC331RK | \$ 130.55 | MC331RKHT | \$ 296.88 |
| MC406 | MC406SC | \$ 52.50 | MC406RK | \$ 189.30 | MC406RKHT | \$ 338.54 |
| MC633 | MC633SC | \$ 65.63 | MC633RK | \$ 241.53 | MC633RKHT | \$ 416.67 |
| MC1009 | MC1009SC | \$ 74.38 | MC1009RK | \$ 285.59 | MC1009RKHT | \$ 473.96 |
| MC1260 | MC1260SC | \$ 80.21 | MC1260RK | \$ 339.45 | MC1260RKHT | \$ 567.71 |
| MC1831 | MC1831SC | \$ 239.17 | MC1831RK | \$ 608.72 | MC1831RKHT | \$ 1,109.38 |
| MC2928 | MC2928SC | \$ 239.17 | MC2928RK | \$ 608.72 | MC2928RKHT | \$ 1,109.38 |

¹Prices are for each spring cartridge. One spring cartridge is required for each end. (For example an MC20S5 will require a total of 10 spring cartridges, that is 5 each per end).

²Standard temp repair kit includes: All Buna O-rings, piston bearings, skates, pinion bearing and guides.

³High temp repair kit includes: All Viton O-rings, piston bearings, skates, pinion bearing and guides.

LIMIT SWITCHES

MC LIMIT SWITCH

| MODEL | DESCRIPTION | BEACON | LIST |
|------------|--|--------|-----------|
| AAEAA21110 | NEMA 4,4X,2SPDT SWITCHES (MECHANICAL) (MC1 - MC47) | YES | \$ 344.04 |
| AAEAA21130 | NEMA 4,4X,2SPDT SWITCHES (MECHANICAL) (MC58 - MC372) | YES | \$ 344.04 |

Requires mountin bracket, see below for part number and list price.

WESTLOCK

| MODEL | DESCRIPTION | BEACON | LIST |
|---------------|---|--------|-----------|
| 2004N | NEMA 4,4X,2SPDT SWITCHES (MECHANICAL) | YES | \$ 417.06 |
| 2007XN | NEMA 4,4X,7 AND 9 2 SPDT SWITCHES | YES | \$ 526.59 |
| 2004FC | NEMA 4,4X,2SPDT SWITCHES (MECHANICAL) | NO | \$ 351.72 |
| ADDERS | ADD SUFFIX TO ABOVE NUMBERS FOR ADDERS | | |
| -RS | ANALOG OUTPUT (1000OHM) ADD TO LIST | | \$ 317.13 |
| -CS | ANALOG OUTPUT (4-20 MA) ADD TO LIST | | \$ 811.06 |

Requires mountin bracket, see below for part number and list price.

WESTLOCK MAGNUM STYLE LIMIT SWITCHES

| MODEL | DESCRIPTION | BEACON | LIST |
|---------------|---|--------|-------------|
| *9044N | NEMA 4,4X,2SPDT MAGNUM SWITCHES | YES | \$ 1,158.92 |
| *9479N | NEMA 4,4X,7,9 2SPDT MAGNUM SWITCHES | YES | \$ 1,612.50 |
| ADDERS | ADD SUFFIX TO ABOVE NUMBERS FOR ADDERS | | |
| -RS | ANALOG OUTPUT (1000OHM) ADD TO LIST | | \$ 645.79 |
| -CS | ANALOG OUTPUT (4-20 MA) ADD TO LIST | | \$ 1,141.64 |

NOTE: If NAMUR shaft is not required, delete the "N" from the part number.

NAMUR MOUNTING BRACKETS FOR WESTLOCK & ASCO LIMIT SWITCHES

| MODEL | DESCRIPTION | LIST |
|--------|--|----------|
| M31N | MOUNTING BRACKET FOR LIMIT SWITCH MC1-MC29 | \$ 58.41 |
| M2366N | MOUNTING BRACKET FOR LIMIT SWITCH MC47-MC295 | \$ 58.41 |

* Indicates non-stock items, please contact your Customer Service Representative for lead-times.

POSITIONERS

VAC POSITIONERS FOR MC SERIES

| MODEL | DESCRIPTION | LIST PRICE |
|--------------|--|-------------|
| V200ED190AC1 | 4-20 MADC Electro Pneumatic Positioner with Flat Cover Indicator | \$ 1,394.00 |
| V200PD190AC1 | 3-15 PSI Pneumatic Positioner with Flat Cover Indicator | \$ 840.23 |

GAUGES

| MODEL | DESCRIPTION | LIST PRICE |
|----------|-----------------------------|------------|
| 9690242* | Guage, 0 - 160 PSI (P77413) | \$ 71.63 |
| 9690217* | Guage, 0 - 30 PSI (P530156) | \$ 71.70 |

*Note:

For 4-20 MADC, 2 Pieces P/N 9690242 is required

For 3-15 PSI, 2 Pieces P/N 9690252 and 1 Piece P/N 9690217 is required.

NAMUR MOUNTING BRACKETS

| MODEL | DESCRIPTION | LIST PRICE |
|--------|--|------------|
| 350001 | MOUNTING BRACKET FOR V Series Positioners (MC10-MC157) | \$ 61.48 |
| 350002 | MOUNTING BRACKET FOR PMV POSIT. (MC237-MC2928) | \$ 97.20 |

MC SERIES ELECTRIC ACTUATORS

REVERSE ROTATION ELECTRIC ACTUATORS NEMA 4 RATED FOR BALL VALVES

| MODEL | LIST PRICE 120 VAC | CYCLE TIME / TORQUE INCH LBS. | LIST PRICE 230VAC, 24VAC, 12VDC |
|----------|-----------------------|----------------------------------|------------------------------------|
| MCR100I | \$ 532.36 | 2.5 SEC / 100 | \$ 598.16 |
| MCR200I | \$ 613.09 | 5 SEC / 200 | \$ 755.32 |
| MCR300I | \$ 791.84 | 5 SEC / 300 | \$ 953.29 |
| MCR675I | \$ 1,335.74 | 15 SEC / 675 | \$ 1,476.05 |
| MCR1000I | \$ 1,608.68 | 15 SEC / 1000 | \$ 1,770.09 |

NOTE: MCR200I, MCR300I, AND MCR675I have ISO Mounting Dimensions with U.S. threads.
Standard one 1/2" conduit - all units wired for two light indication.

REVERSIBLE ROTATION ELECTRIC ACTUATORS WITH BRAKES FOR BUTTERFLY VALVES

| MODEL | LIST PRICE 120 VAC | CYCLE TIME / TORQUE INCH LBS. | LIST PRICE 230VAC, 24VAC, 12VDC |
|------------|-----------------------|----------------------------------|------------------------------------|
| MCRB200I | \$ 1,026.32 | 5 SEC / 200 | \$ 1,170.48 |
| MCRB300I | \$ 1,283.84 | 5 SEC / 300 | \$ 1,443.36 |
| MCRB675I† | \$ 1,822.01 | 15 SEC / 675 | \$ 1,985.36 |
| MCRB1000I† | \$ 2,142.96 | 15 SEC / 1000 | \$ 2,304.39 |

†Manual override is standard on these models. Optional on the MCRB200I and MRB300I

OPTIONAL EQUIPMENT

| OPTION | CODE ADDER | MODELS AVAILABLE ON | LIST PRICE ADDER |
|----------------------------|---------------|--|------------------|
| ONE SWITCH | 1S | All | \$ 82.64 |
| TWO SWITCHES | 2S | Excludes MCR100I | \$ 163.36 |
| HEATER THERMOSTAT | HT | All | \$ 242.16 |
| VALVE POSITIONER | VP | Excludes MCR100I | \$ 1,485.67 |
| 1 K POT | 1 | Excludes MCR100I | \$ 307.49 |
| POSITION TRANSMITTER | TX | Excludes MCR100I | \$ 693.82 |
| SPEED CONTROL | SC | Excludes MCR100I | \$ 545.83 |
| THREE POSITION | 3P | All | \$ 272.93 |
| FLAT SHAFT MANUAL OVERRIDE | MO | Standard on Models MCR100I, 200I & 300I | \$ 224.84 |
| NEMA 4/7 HOUSING | N7 | Excludes MCR100I | \$ 372.85 |

SPRING RETURN ELECTRIC ACTUATORS

| MODEL | LIST PRICE 120 VAC | CYCLE TIME / CLOSE TIME | TORQUE INCH LBS. |
|-----------|-----------------------|--------------------------|------------------|
| MCSRE200 | 3,269.21 | 5 Seconds / 3-4 Seconds | 200 |
| MCSRE400 | 5,152.73 | 12 Seconds / 3-4 Seconds | 300 |
| MCSRE600 | 7,065.04 | 12 Seconds / 3-4 Seconds | 600 |
| MCSRE1000 | 13,928.26 | 12 Seconds / 3-4 Seconds | 1000 |

Notes MCSRE Series Spring Return Actuators:

- Non-stock product, please contact your Customer Service Representative for lead-times.
- Manual overrides are not available

CAUTION: Electrical operation of actuators must be through a single pole control switch to isolate the unused motor winding.

LB SERIES ELECTRIC ACTUATOR

Intermittent Service: Quarter-turn Reversible with 30% Duty Cycle 1PH/60Hz/115VAC Motor, CSA Approved NEMA 4 Enclosure, ISO Mount

| MODEL | LIST PRICE | TORQUE LB/IN | SPEED SEC/90° | DESCRIPTION |
|-----------|--------------|--------------|---------------|--|
| OA3-5 | \$ 1,318.46 | 300 | 5 | OA Models come complete with self-locking worm gear, two SPDT travel limit switches, plus two auxiliary SPDT switches, internal terminal strip, mechanical dial position indicator and manual override w/handwheel and compartment heater standard. Note: The OA6-5 has been replaced by the OA8-5 |
| OA8-5 | \$ 2,077.59 | 720 | 5 | |
| OA8-10 | \$ 2,302.48 | 720 | 10 | |
| OA8-25 | \$ 2,302.48 | 720 | 25 | |
| OA8-50 | \$ 2,302.48 | 720 | 50 | |
| OA15-15 | \$ 2,675.36 | 1350 | 15 | |
| OA15-25 | \$ 2,675.36 | 1350 | 25 | |
| AT25-15 | \$ 4,180.23 | 2250 | 15 | AT and BS Models complete with all features described in OA Models plus two auxiliary SPDT switches, two SPDT mechanical torque limit switches, control compartment space heater, and declutchable manual override w/handwheel and motor lockout switch. Note: Model # AT80-25 has been discontinued |
| AT25-25 | \$ 4,180.23 | 2250 | 25 | |
| AT25-50 | \$ 4,180.23 | 2250 | 50 | |
| AT50-25* | \$ 5,137.32 | 4500 | 25 | |
| AT100-24* | \$ 6,560.72 | 10000 | 24 | |
| AT200-58 | \$ 7,289.70 | 22000 | 58 | AT and BS Models are complete with all features described for OA Models plus two auxiliary SPDT switches, two mechanical torque limit switches, control compartment space heater, and declutchable manual override w/handwheel and motor lockout switch. |
| AT400-105 | \$ 10,102.08 | 35403 | 105 | |

Class III Modulating Service: Quarter-turn Reversible with 50% Duty Cycle 1PH/60Hz/115VAC Motor Single 1000 Ohm-1/2% Linerity-4 Watt Potentiometer and GAM Electronic Positioner to accept a 4-20 MADC Input Signal for Continuous modulating Service. CSA Approved, NEMA 4 Enclosure, ISO Mount

| MODEL | LIST PRICE | TORQUE BREAK | SPEED SEC/90° | DESCRIPTION |
|-----------|-------------|--------------|---------------|---|
| OA8MG-25 | \$ 3,089.61 | 720 | 25 | OA Models come complete with self-locking worm gear output drive, adjustable mechanical position stops, two SPDT travel limit switches, plus two SPDT auxiliary switches, internal terminal strip, mechanical dial position indicator and manual override w/handwheel and compartment heater. |
| OA8MG-50 | \$ 3,089.61 | 720 | 50 | |
| OA15MG-25 | \$ 3,687.36 | 1350 | 25 | |
| AT25MG-25 | \$ 5,610.63 | 2250 | 25 | AT and BS Models come complete with all features described for OA Models plus two auxiliary SPDT stitches, two mechanical torque limit switches, control compartment space heater, and declutchable manual override w/handwheel and motor lockout switch. |
| AT50MG-25 | \$ 6,566.80 | 4500 | 25 | |
| AT100M-24 | \$ 9,849.91 | 8851 | 24 | |
| | | | | |

Spring Return Failsafe Electric NEMA 4/6 Enclosure, CSA Approved, ISO Mount

| MODEL | LIST PRICE | TORQUE BREAK (INCH LB, RUN) | SPEED SEC/90° | DESCRIPTION |
|-------|--------------|-----------------------------|---------------|--|
| FQ4 | \$ 9,238.76 | 360 | 28/7 | All units power open and power close. Spring closes at loss of power. Manual override is standard except on model FQ4/8. Position indication, travel limit switches, mechanical position stops, NEMA 4/4X and NEMA 6/6P housings are standard. Modulating is optional. |
| FQ8 | \$ 10,074.80 | 720 | 28/6 | |
| FQ12 | \$ 12,590.59 | 1070 | 78/10 | |
| FQ18 | \$ 14,312.66 | 1600 | 78/15 | |
| FQ30 | \$ 26,267.11 | 2660 | 98/18 | |
| FQZ50 | \$ 33,576.25 | 4425 | 98/27 | FQZ50 is available in 220/440 3 Phase only. |

LB Series actuators are non-stock items. Please contact your Customer Service Representative for lead-times.

For integral local controls and modulating spring return models, please contact your Customer Service Representative.

CAUTION: Electrical operation of actuators must be through a single pole control switch to isolate the unused motor winding.

LB SERIES ACCESSORIES

| DESCRIPTION | OA | AT | BT | SRA6 | SR12 | NOTES |
|---|----------|----------|----------|----------|----------|---------|
| 3 PHASE MOTOR OPTIONS | 505.47 | 505.47 | 505.47 | 607.32 | 607.32 | # 4 |
| CONTROL COMPARTMENT OPTIONS | | | | | | |
| SPACE HEATER | STD | STD | STD | STD | STD | # 7 |
| TWO AUX. SPDT POSITION SWITCHES | 153.75 | STD | STD | STD | STD | # 8 |
| FOR 6 TOTAL SPDT POSITON SWITCH | 362.51 | 542.28 | 768.68 | 1,090.05 | 1,544.65 | # 8 |
| STANDARD FEEDBACK POTENTIOMETER | | | | | | |
| SINGLE -100ohm | 418.99 | 591.95 | 591.95 | 591.95 | 591.95 | # 9 |
| DUAL - 1000ohm | 951.34 | 951.34 | 951.34 | 951.34 | 951.34 | # 9 |
| PRECISION FEEDBACK POTENTIOMETER | | | | | | |
| SINGLE -1000ohm | 615.03 | 615.03 | 615.03 | 872.55 | 1,235.82 | # 9,13 |
| SINGLE MYLAR - 1000ohm | 1,135.88 | 1,135.88 | 1,135.88 | 1,606.73 | 2,275.58 | # 9 |
| DUAL - 1000ohm | 1,533.72 | 1,533.72 | 1,533.72 | 2,175.64 | 3,080.85 | # 9 |
| RELAY FOR 2 WIRE CONTROL | 221.01 | 274.82 | 274.82 | 390.17 | 551.61 | # 10 |
| RELAY FOR MAINTAINED TORQUE | | | | | | |
| SWITCH OPERATION | N/A | 1,239.66 | 1,239.66 | 1,239.66 | 1,239.66 | # 11,13 |
| CONTROL COMPONENT OPTIONS | | | | | | |
| TAM POSITION TRANSMITTER | | | | | | |
| W/1000 ohm POT | 1,416.47 | 1,416.47 | 1,416.47 | 1,416.47 | 1,416.47 | #12 |

LB SERIES NOTES:

All LB Series actuator accessories are non-stock; please contact your Customer Service Representative for lead-times.

- 1) Torque as stated is both starting and runing output based on a plus or minus % variation.
- 2) Speed as stated is nominal at the rated actuator torque. Actual operating times may vary depending on the actuator torque.
- 3) Available on all models and all speeds, 25 seconds or more. Supplied with Class F motor installation.
- 4) When ordering, be sure to state motor voltage as 220 or 440 and control voltage 1ph/115VAC or 1ph/ 220VAC. When actuator is supplied with a control compartment heater, it will be supplied with same control voltage.
- 5) Suitable for modulating service and is available for use with 25 second/0° or greater (slower) speed of operation only. Caution: Motor (actuator) is supplied with 50% less torque than standard 30% duty cycles.
- 6) Supplied in same voltage as 1ph motors or in stated control voltage for 3ph motors, series wiring is standard. This is applicable to OA Models only and is supplied as standard on all other models.
- 7) Two auxillary SPDT switches supplied with indivudually adjustable cams and fully wired to terminal position. This option applicable to OA Models only and is supplied as standard on all other models.
- 8) Maximum number of position switches, any model, is a total of 4.
- 9) Potentiometers supplid are: 1000ohm - 1/2% Linearity - 4 Watt. Other values are available at additional cost. Please contact your Customer Service Representative for additional information.
- 10) Supplied as a SPDT Relay, for 2 wire control of a 2 position actuator or to isolate control voltage. (Other than 3ph). State relay coil voltage and either normally CW (close) or COW (open) position when ordering.
- 11) Supplied as 2 SPDT relays, to conver standard momentary operation torque switches to maintained operation with over torque light indication. Not available on OA Models.
- 12) An electronic positioner transmitter mounted and wired inside the actuator, which provides a 4 to 20 MADC VDC linear signal proportional to the actuators output drive position. TAM supply voltage is 7 to 30 VDC.
- 13) These optional accessories and/or functions are included, in addition to all standard features, in actuator prices for modulating service.

MOUNTING BRACKETS AND LABOR CHARGES

BUTTERFLY VALVES*

| SIZE | M & C SERIES LIST PRICE | HP SERIES LIST PRICE | LABOR |
|-------------|-------------------------|----------------------|----------|
| 2" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 2 1/2" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 3" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 4" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 5" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 6" | \$ 159.53 | \$ 170.09 | \$ 59.58 |
| 8" | \$ 212.63 | \$ 287.94 | \$ 65.33 |
| 10" | \$ 212.63 | \$ 287.94 | \$ 65.33 |
| 12" | \$ 212.63 | \$ 287.94 | \$ 65.33 |
| 14" | \$ 438.59 | \$ 438.59 | \$ 69.18 |
| 16" | \$ 438.59 | \$ 438.59 | \$ 69.18 |
| 18" | POA | \$ 438.59 | \$ 80.74 |
| 20" | POA | \$ 438.59 | \$ 80.74 |
| 24" | POA | \$ 438.59 | \$ 80.74 |
| 30" & ABOVE | POA | \$ 438.59 | POA |

*Carbon steel brackets are standard for butterfly valves, stainless steel brackets are available, please contact your Customer Service Representative for pricing and lead-times.

BALL VALVES

| SIZE | CARBON STEEL LIST PRICE | STAINLESS STEEL LIST PRICE | LABOR |
|---------------|-------------------------|----------------------------|----------|
| 1/4" - 1 1/2" | \$ 101.85 | \$ 217.48 | \$ 36.52 |
| 2" | \$ 113.39 | \$ 217.48 | \$ 36.52 |
| 2 1/2" | \$ 241.76 | \$ 379.07 | \$ 40.36 |
| 3" | \$ 241.76 | \$ 379.07 | \$ 40.36 |
| 4" | \$ 268.50 | \$ 424.02 | \$ 40.36 |
| 6" | \$ 268.50 | \$ 424.02 | \$ 53.80 |
| 8" | POA | POA | \$ 53.80 |
| 10" | POA | POA | \$ 69.18 |
| 12" | POA | POA | \$ 71.11 |
| 14" & ABOVE | POA | POA | POA |

TEE LINK ASSEMBLY†

| SIZE | LIST PRICE |
|-----------|------------|
| 2" - 3" | 390.17 |
| 4" - 5" | 417.06 |
| 6" - 8" | 515.08 |
| 10" - 12" | 716.89 |
| 14" - 16" | 993.64 |
| 18" - 20" | 1,378.04 |
| 24" - 30" | 1,514.49 |
| 36" - 40" | 1,718.21 |

†When ordering tee-link, an arrangement number must be listed on order. Please contact your Customer Service Representative for a copy of the various numbered arrangements.