

Bray Commercial - Pricing 2025

Bray COMMERCIAL

www.braycommercialdivision.com

Pricing 2025 for Canada



Bray
COMMERCIAL

3299 Bd Jean-Baptiste-Deschamps
Lachine, QC H8T 3E4 Canada

canada.sales@bray.com

Phone: 1 (833) 272 9226

www.braycommercialdivision.com

EBV Series Automated Characterized Ball Valves

| | |
|--|---|
| 2-Way Standard Trim with Non-Spring Return On/Off & Floating Commercial Electric Actuators . . . 4 | 4 |
| 2-Way Standard Trim with Non-Spring Return Modulating Commercial Electric Actuators 5 | 5 |
| 2-Way Standard Trim with Spring Return On/Off Commercial Electric Actuators 6 | 6 |
| 2-Way Standard Trim with Spring Return Modulating Commercial Electric Actuators 7 | 7 |

EBV Series Automated Characterized Ball Valves

| | |
|--|----|
| 3-Way Standard Trim with Non-Spring Return On/Off & Floating Commercial Electric Actuators . . 8 | 8 |
| 3-Way Standard Trim with Non-Spring Return Modulating Commercial Electric Actuators 9 | 9 |
| 3-Way Standard Trim with Spring Return On/Off Commercial Electric Actuators 10 | 10 |
| 3-Way Standard Trim with Spring Return Modulating Commercial Electric Actuators 11 | 11 |

STM Characterized Port Ball Valves

| | |
|--|----|
| 2-Way with NSR & SR Commercial Electric Actuators. 12 | 12 |
| 3-Way with NSR & SR Commercial Electric Actuators 13 | 13 |

BV Threaded Industrial Ball Valves

| | |
|--|----|
| 2-Way with NSR & SR, On/Off, Floating & Modulating Commercial Electric Actuators 14 | 14 |
| 2-Way Stainless Steel w/ NSR & SR, On/Off, Floating & Modulating Commercial Electric Actuators. 15 | 15 |
| 2-Way with NSR, On/Off Series 70 Industrial Electric Actuators 16 | 16 |
| 2-Way with NSR, Modulating Series 70 Industrial Electric Actuators. 17 | 17 |
| 2-Way Stainless Steel with NSR, On/Off Series 70 Industrial Electric Actuators. 18 | 18 |
| 2-Way Stainless Steel with NSR, Modulating Series 70 Industrial Electric Actuators 19 | 19 |

BVMS Flanged Industrial Ball Valves

| | |
|--|----|
| 2-Way with On/Off & Modulating Series 70 Industrial Electric Actuators. 20 | 20 |
|--|----|

Simple Set PIC Valves

| | |
|---|----|
| 2-Way Threaded with On/Off and Modulating Electric Actuators 21 | 21 |
| Simple Set Series PIC Valves - Accessories 22 | 22 |

Simple Set Max PIC Valves

| | |
|--|----|
| 2-Way Flanged, ANSI 125 with Spring Return & Non-Spring Return Actuators & Accessories. . . . 23 | 23 |
| 2-Way Flanged, ANSI 250 with Spring Return & Non-Spring Return Actuators & Accessories . . . 24 | 24 |

CG/DG Threaded Globe Valves

| | |
|---|----|
| 2-Way, Standard Trim with Floating & Modulating Commercial Actuators 25 | 25 |
| 2-Way, Standard Trim High Close-Off with Floating & Modulating Commercial Actuators 26 | 26 |
| 2-Way, Stainless Steel Trim with Floating & Modulating Commercial Actuators 27 | 27 |
| 2-Way, Stainless Steel Trim High Close-Off with Floating & Modulating Commercial Actuators . . 28 | 28 |
| 3-Way, Standard Trim with Floating & Modulating Commercial Actuators 29 | 29 |
| 3-Way, Standard Trim High Close-Off with Floating & Modulating Commercial Actuators 30 | 30 |

DG Flanged Globe Valves

| | |
|---|----|
| 2-Way, Standard Trim, with On/Off, Floating or Modulating Industrial Electric Actuators 31 | 31 |
| 3-Way, Stainless Steel Trim, with On/Off, Floating or Modulating Industrial Electric Actuators. . . 32 | 32 |
| 2-Way, Stainless Steel Trim, with On/Off, Floating or Modulating Industrial Electric Actuators. . . 33 | 33 |
| 2-Way, Stainless Steel Trim, High Close-Off with Floating or Modulating Industrial Electric Actuators. 34 | 34 |

3L Series Resilient Seated Butterfly Valves

| | |
|---|----|
| 2-Way with NSR/SR DC-Series Commercial Electric Actuators | 35 |
| 3-Way with NSR/SR DC-Series Commercial Electric Actuators | 36 |
| 2-Way with NSR/SR D-Series Commercial Electric Actuators | 37 |
| 3-Way with NSR/SR D-Series Commercial Electric Actuators | 38 |
| 2-Way with Industrial Electric Actuators | 39 |
| 3-Way with Industrial Electric Actuators | 40 |
| 2-Way Series 92 Double Acting Pneumatic Actuators | 41 |
| 3-Way Series 92 Double Acting Pneumatic Actuators | 42 |
| 2-Way Series 93 & 98 Spring Return Pneumatic Actuators | 43 |
| 3-Way Series 93 Spring Return Pneumatic Actuators | 44 |

MK Series High Performance Butterfly Valves

| | |
|--|----|
| 2 & 3-Way with NSR/SR D & DC-Series Commercial Electric Actuators (ANSI 150) | 45 |
| 2-Way with Industrial Electric Actuators (ANSI 150) | 46 |
| 2-Way with Industrial Electric Actuators (ANSI 300) | 47 |
| 3-Way with Industrial Electric Actuators (ANSI 150) | 48 |
| 2-Way with Double Acting Pneumatic Actuators (ANSI 150 & 300) | 49 |
| 2-Way with Pneumatic Spring Return Actuators (ANSI 150 & 300) | 50 |
| 3-Way with Double Acting and Spring Return Pneumatic Actuators (ANSI 150) | 51 |

Actuators - Commercial and Pneumatic

| | |
|--|----|
| Non-Spring Return Commercial Electric Actuators | 52 |
| Spring Return Commercial Electric Actuators | 53 |
| Spring Return & Non-Spring Return Electric ST2 Actuators | 54 |

Pneumatic Actuators & Accessories

| | |
|-------------------------------------|----|
| Pneumatic Actuators & Adders | 55 |
| Accessories for Pneumatic Actuators | 56 |

Actuators - Industrial Electric & Accessories

| | |
|---|----|
| Series 70 Industrial Electric Actuators and Accessories | 57 |
| Series 70/AU Series Industrial Electric Actuators and Accessories | 58 |

Actuators - Linear PIC & Globe Valve

| | |
|--|----|
| GA(S), VAL & PA(M) Series Electric Actuators & Accessories | 59 |
|--|----|

Retrofit Kits

| | |
|--|----|
| Butterfly & Globe Valve Retrofit Kits w/ Comm. & Industrial Electric Actuators | 60 |
|--|----|

Weather Shields/Covers

| | |
|------------------------|----|
| Weather Shields/Covers | 61 |
|------------------------|----|

3-Way Valve Configurations

| | |
|--------------------------------------|----|
| 3-Way Butterfly Valve Configurations | 62 |
|--------------------------------------|----|

Sales Policy

| | |
|------------------------------|-------|
| Terms and Conditions of Sale | 63-67 |
|------------------------------|-------|



| 2-Way, On/Off & Floating - Non-Spring Return Actuators - (200 psi - Close Off) | | | | | | | |
|--|------------|----|------------------|-------------|-----------------|-----------------------------|-----------------|
| Actuator Model Details | | | | | | | |
| Floating with Time Out/Overload Protection | | | | | ■ | | |
| Auxiliary Switches | | | | | | | ■ |
| Conduit Size - Flex(F)/NPT(N) | | | | 3/8 F | 3/8 F | | |
| Cable - Standard(S)/Plenum(P) | | | | P | P | P | |
| Manual Override | | | | Push Button | Push Button | Push Button | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC On/Off & Floating | 24 VAC Floating |
| | In. | mm | Cv | Kv | DC24-44-TP | DC24-44-TPTO | DC24-44-TAP |
| EBV-05-2-003 | 0.5 | 15 | 0.3 | 0.3 | 297 | 364 | 517 |
| EBV-05-2-005 | | | 0.5 | 0.4 | | | |
| EBV-05-2-009 | | | 0.9 | 0.8 | | | |
| EBV-05-2-01 | | | 1.4 | 1.2 | | | |
| EBV-05-2-02 | | | 2 | 1.7 | | | |
| EBV-05-2-03 | | | 3 | 2.6 | | | |
| EBV-05-2-05 | | | 4.9 | 4.2 | | | |
| EBV-05-2-08 | | | 8 | 6.9 | | | |
| EBV-05-2-13 | | | 12.5 | 10.8 | | | |
| EBV-05-2-17* | | | 17.2 | 14.9 | | | |
| EBV-75-2-05 | .75 | 20 | 4.9 | 4.2 | 356 | 423 | 576 |
| EBV-75-2-08 | | | 7.8 | 6.7 | | | |
| EBV-75-2-12 | | | 12.3 | 10.6 | | | |
| EBV-75-2-15* | | | 15.3 | 13.2 | | | |
| EBV-1-2-08 | 1 | 25 | 7.8 | 6.7 | 497 | 564 | 717 |
| EBV-1-2-12 | | | 12.1 | 10.5 | | | |
| EBV-1-2-20 | | | 19.5 | 16.9 | | | |
| EBV-1-2-30* | | | 29.9 | 25.9 | | | |
| EBV-125-2-12 | 1.25 | 32 | 11.7 | 10.1 | 555 | 622 | 775 |
| EBV-125-2-20 | | | 19.8 | 17.1 | | | |
| EBV-125-2-30 | | | 30.4 | 26.3 | | | |
| EBV-125-2-45* | | | 44.8 | 38.8 | | | |
| EBV-150-2-20 | 1.5 | 40 | 19.6 | 17.0 | 659 | 726 | 879 |
| EBV-150-2-30 | | | 30.4 | 26.3 | | | |
| EBV-150-2-48* | | | 48.3 | 41.8 | | | |
| EBV-2-2-29 | 2 | 50 | 29.2 | 25.3 | 887 | 954 | 1107 |
| EBV-2-2-49 | | | 48.8 | 42.2 | | | |
| EBV-2-2-75 | | | 75.2 | 65.0 | | | |
| EBV-2-2-96* | | | 95.5 | 82.6 | | | |

Options/Adders

* Reduced port valve - No characterizing disc

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales



| 2-Way, Modulating - Non-Spring Return Actuators - (200 psi - Close Off) | | | | | | |
|---|------------|----|------------------|-------------|---|---|
| Actuator Model Details | | | | | | |
| Modulating with Time Out/Overload Protection | | | | ■ | ■ | |
| Auxiliary Switches | | | | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | | 3/8 F | | |
| Cable - Standard(S)/Plenum(P) | | | | P | P | |
| Manual Override | | | | Push Button | Push Button | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC Modulating 0/2-10V in 0/2-10V out | 24 VAC/DC Modulating 0/2-10V in 0/2-10V out |
| | In. | mm | Cv | Kv | DCM24-44-P | DCM24-44-AP |
| EBV-05-2-003 | 0.5 | 15 | 0.3 | 0.3 | 422 | 627 |
| EBV-05-2-005 | | | 0.5 | 0.4 | | |
| EBV-05-2-009 | | | 0.9 | 0.8 | | |
| EBV-05-2-01 | | | 1.4 | 1.2 | | |
| EBV-05-2-02 | | | 2 | 1.7 | | |
| EBV-05-2-03 | | | 3 | 2.6 | | |
| EBV-05-2-05 | | | 4.9 | 4.2 | | |
| EBV-05-2-08 | | | 8 | 6.9 | | |
| EBV-05-2-13 | | | 12.5 | 10.8 | | |
| EBV-05-2-17* | | | 17.2 | 14.9 | | |
| EBV-75-2-05 | .75 | 20 | 4.9 | 4.2 | 481 | 686 |
| EBV-75-2-08 | | | 7.8 | 6.7 | | |
| EBV-75-2-12 | | | 12.3 | 10.6 | | |
| EBV-75-2-15* | | | 15.3 | 13.2 | | |
| EBV-1-2-08 | 1 | 25 | 7.8 | 6.7 | 622 | 827 |
| EBV-1-2-12 | | | 12.1 | 10.5 | | |
| EBV-1-2-20 | | | 19.5 | 16.9 | | |
| EBV-1-2-30* | | | 29.9 | 25.9 | | |
| EBV-125-2-12 | 1.25 | 32 | 11.7 | 10.1 | 680 | 885 |
| EBV-125-2-20 | | | 19.8 | 17.1 | | |
| EBV-125-2-30 | | | 30.4 | 26.3 | | |
| EBV-125-2-45* | | | 44.8 | 38.8 | | |
| EBV-150-2-20 | 1.5 | 40 | 19.6 | 17.0 | 784 | 989 |
| EBV-150-2-30 | | | 30.4 | 26.3 | | |
| EBV-150-2-48* | | | 48.3 | 41.8 | | |
| EBV-2-2-29 | 2 | 50 | 29.2 | 25.3 | 1012 | 1217 |
| EBV-2-2-49 | | | 48.8 | 42.2 | | |
| EBV-2-2-75 | | | 75.2 | 65.0 | | |
| EBV-2-2-96* | | | 95.5 | 82.6 | | |

Options/Adders

* Reduced port valve - No characterizing disc.

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales



| 2-Way, On/Off - Spring Return Actuators - (200 psi - Close Off) | | | | | | | | | | |
|---|---------------|----|---------------------|------|---------------------|------------------------|------------------------|------------------------|------------------------|-------------------|
| Actuator Model Details | | | | | | | | | | |
| Auxiliary Switches | | | | ■ | | ■ | | ■ | | |
| Conduit Size - Flex(F)/NPT(N) | | | 1/2 N | | | 1/2 N | | 1/2 N | 1/2 N | |
| Cable - Standard(S)/Plenum(P) | | | P | | P | P | S | S | S | |
| Manual Override | | | N/A | | N/A | Hex Wrench Included | Hex Wrench Included | Hex Wrench Included | Hex Wrench Included | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 120 VAC On/Off | 120 VAC On/Off |
| | In. | mm | Cv | Kv | DCS24-20-P | DCS24-20-AP | DCS24-62-P | DCS24-62-A | DCS120-62 | DCS120-62-A |
| EBV-05-2-003 | 0.5 | 15 | 0.3 | 0.3 | 465 | 684 | - | - | 574 | 730 |
| EBV-05-2-005 | | | 0.5 | 0.4 | | | | | | |
| EBV-05-2-009 | | | 0.9 | 0.8 | | | | | | |
| EBV-05-2-01 | | | 1.4 | 1.2 | | | | | | |
| EBV-05-2-02 | | | 2 | 1.7 | | | | | | |
| EBV-05-2-03 | | | 3 | 2.6 | | | | | | |
| EBV-05-2-05 | | | 4.9 | 4.2 | | | | | | |
| EBV-05-2-08 | | | 8 | 6.9 | | | | | | |
| EBV-05-2-13 | | | 12.5 | 10.8 | | | | | | |
| EBV-05-2-17* | | | 17.2 | 14.9 | | | | | | |
| EBV-75-2-05 | .75 | 20 | 4.9 | 4.2 | 524 | 743 | - | - | 633 | 789 |
| EBV-75-2-08 | | | 7.8 | 6.7 | | | | | | |
| EBV-75-2-12 | | | 12.3 | 10.6 | | | | | | |
| EBV-75-2-15* | | | 15.3 | 13.2 | | | | | | |
| EBV-1-2-08 | 1 | 25 | 7.8 | 6.7 | 665 | 884 | - | - | 774 | 930 |
| EBV-1-2-12 | | | 12.1 | 10.5 | | | | | | |
| EBV-1-2-20 | | | 19.5 | 16.9 | | | | | | |
| EBV-1-2-30* | | | 29.9 | 25.9 | | | | | | |
| EBV-125-2-12 | 1.25 | 32 | 11.7 | 10.1 | - | - | 778 | 942 | 832 | 988 |
| EBV-125-2-20 | | | 19.8 | 17.1 | | | | | | |
| EBV-125-2-30 | | | 30.4 | 26.3 | | | | | | |
| EBV-125-2-45* | | | 44.8 | 38.8 | | | | | | |
| EBV-150-2-20 | 1.5 | 40 | 19.6 | 17.0 | - | - | 882 | 1046 | 936 | 1092 |
| EBV-150-2-30 | | | 30.4 | 26.3 | | | | | | |
| EBV-150-2-48* | | | 48.3 | 41.8 | | | | | | |
| EBV-2-2-29 | 2 | 50 | 29.2 | 25.3 | - | - | 1110 | 1274 | 1164 | 1320 |
| EBV-2-2-49 | | | 48.8 | 42.2 | | | | | | |
| EBV-2-2-75 | | | 75.2 | 65.0 | | | | | | |
| EBV-2-2-96* | | | 95.5 | 82.6 | | | | | | |

Options/Adders

* Reduced port valve - No characterizing disc
 If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales.
 For normally Closed, add a "C" to the end of the valve part number, i e EBV-05-2-003C, otherwise normally open.
 Spring return models only



EBV - 2-Way Standard Trim with Spring Return Commercial Electric Actuators

| 2-Way, Modulating - Spring Return Actuators - (200 psi - Close Off) | | | | | | | |
|---|------------|----|------------------|------|-------------------------------|-------------------------------|-------------------------------|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches | | | | | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | | | 1/2 N | 1/2 N | |
| Cable - Standard(S)/Plenum(P) | | | | P | P | S | |
| Manual Override | | | | N/A | Hex Wrench Included | Hex Wrench Included | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Modulating 2-10 in/out | 24 VAC Modulating 0-10 in/out | 24 VAC Modulating 0-10 in/out |
| | In. | mm | Cv | Kv | DCMS24-20-P | DCMS24-62-P | DCMS24-62-A |
| EBV-05-2-003 | 0.5 | 15 | 0.3 | 0.3 | 678 | - | 861 |
| EBV-05-2-005 | | | 0.5 | 0.4 | | | |
| EBV-05-2-009 | | | 0.9 | 0.8 | | | |
| EBV-05-2-01 | | | 1.4 | 1.2 | | | |
| EBV-05-2-02 | | | 2 | 1.7 | | | |
| EBV-05-2-03 | | | 3 | 2.6 | | | |
| EBV-05-2-05 | | | 4.9 | 4.2 | | | |
| EBV-05-2-08 | | | 8 | 6.9 | | | |
| EBV-05-2-13 | | | 12.5 | 10.8 | | | |
| EBV-05-2-17* | | | 17.2 | 14.9 | | | |
| EBV-75-2-05 | .75 | 20 | 4.9 | 4.2 | 737 | - | 920 |
| EBV-75-2-08 | | | 7.8 | 6.7 | | | |
| EBV-75-2-12 | | | 12.3 | 10.6 | | | |
| EBV-75-2-15* | | | 15.3 | 13.2 | | | |
| EBV-1-2-08 | 1 | 25 | 7.8 | 6.7 | 878 | - | 1061 |
| EBV-1-2-12 | | | 12.1 | 10.5 | | | |
| EBV-1-2-20 | | | 19.5 | 16.9 | | | |
| EBV-1-2-30* | | | 29.9 | 25.9 | | | |
| EBV-125-2-12 | 1.25 | 32 | 11.7 | 10.1 | - | 964 | 1119 |
| EBV-125-2-20 | | | 19.8 | 17.1 | | | |
| EBV-125-2-30 | | | 30.4 | 26.3 | | | |
| EBV-125-2-45* | | | 44.8 | 38.8 | | | |
| EBV-150-2-20 | 1.5 | 40 | 19.6 | 17.0 | - | 1068 | 1223 |
| EBV-150-2-30 | | | 30.4 | 26.3 | | | |
| EBV-150-2-48* | | | 48.3 | 41.8 | | | |
| EBV-2-2-29 | 2 | 50 | 29.2 | 25.3 | - | 1296 | 1451 |
| EBV-2-2-49 | | | 48.8 | 42.2 | | | |
| EBV-2-2-75 | | | 75.2 | 65.0 | | | |
| EBV-2-2-96* | | | 95.5 | 82.6 | | | |

Options/Adders

* Reduced port valve - No characterizing disc

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales.

For normally Closed, add a "C" to the end of the valve part number, i e EBV-05-2-003C, otherwise normally open.

Spring return models only



EBV - 3-Way Standard Trim with Non-Spring Return Commercial Electric Actuators

| 3-Way, On/Off & Floating - Non-Spring Return Actuators - (200 psi - Close Off) | | | | | | | |
|--|------------|----|------------------|------|-----------------|-----------------------------|-----------------|
| Actuator Model Details | | | | | | | |
| Floating with Time Out/Overload Protection | | | | | ■ | | |
| Auxiliary Switches | | | | | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | 3/8 F | | 3/8 F | | |
| Cable - Standard(S)/Plenum(P) | | | P | | P | P | |
| Manual Override | | | Push Button | | Push Button | Push Button | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC On/Off & Floating | 24 VAC Floating |
| | In. | mm | Cv | Kv | DC24-44-TP | DC24-44-TPTO | DC24-44-TAP |
| EBV-05-3-003 | 0.5 | 15 | 0.3 | 0.3 | 434 | 501 | 654 |
| EBV-05-3-005 | | | 0.5 | 0.4 | | | |
| EBV-05-3-009 | | | 0.9 | 0.8 | | | |
| EBV-05-3-01 | | | 1.4 | 1.2 | | | |
| EBV-05-3-02 | | | 2 | 1.7 | | | |
| EBV-05-3-03 | | | 3 | 2.6 | | | |
| EBV-05-3-05 | | | 4.9 | 4.2 | | | |
| EBV-05-3-08 | | | 8 | 6.9 | | | |
| EBV-05-3-13 | | | 12.5 | 10.8 | | | |
| EBV-05-3-17* | | | 17.2 | 14.9 | | | |
| EBV-75-3-05 | .75 | 20 | 4.9 | 4.2 | 471 | 538 | 691 |
| EBV-75-3-08 | | | 7.8 | 6.7 | | | |
| EBV-75-3-12 | | | 12.3 | 10.6 | | | |
| EBV-75-3-15* | | | 15.3 | 13.2 | | | |
| EBV-1-3-08 | 1 | 25 | 7.8 | 6.7 | 664 | 731 | 884 |
| EBV-1-3-12 | | | 12.1 | 10.5 | | | |
| EBV-1-3-20 | | | 19.5 | 16.9 | | | |
| EBV-1-3-30* | | | 29.9 | 25.9 | | | |
| EBV-125-3-12 | 1.25 | 32 | 11.7 | 10.1 | 695 | 762 | 915 |
| EBV-125-3-20 | | | 19.8 | 17.1 | | | |
| EBV-125-3-30 | | | 30.4 | 26.3 | | | |
| EBV-125-3-45* | | | 44.8 | 38.8 | | | |
| EBV-150-3-20 | 1.5 | 40 | 19.6 | 17.0 | 823 | 890 | 1043 |
| EBV-150-3-30 | | | 30.4 | 26.3 | | | |
| EBV-150-3-48* | | | 48.3 | 41.8 | | | |
| EBV-2-3-29 | 2 | 50 | 29.2 | 25.3 | 1147 | 1214 | 1367 |
| EBV-2-3-49 | | | 48.8 | 42.2 | | | |
| EBV-2-3-75 | | | 75.2 | 65.0 | | | |
| EBV-2-3-96* | | | 95.5 | 82.6 | | | |

Options/Adders

* Reduced port valve - No characterizing disc

Bypass port CV equal approximately 50% of control port CV

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales



EBV - 3-Way Standard Trim with Non-Spring Return Commercial Electric Actuators

| 3-Way, Modulating - Non-Spring Return Actuators - (200 psi - Close Off) | | | | | | |
|---|------------|----|------------------|------|---|---|
| Actuator Model Details | | | | | | |
| Modulating with Time Out/Overload Protection | | | ■ | | ■ | |
| Auxiliary Switches | | | | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | 3/8 F | | | |
| Cable - Standard(S)/Plenum(P) | | | P | | P | |
| Manual Override | | | Push Button | | Push Button | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC Modulating 0/2-10V in 0/2-10V out | 24 VAC/DC Modulating 0/2-10V in 0/2-10V out |
| | In. | mm | Cv | Kv | DCM24-44-P | DCM24-44-AP |
| EBV-05-3-003 | 0.5 | 15 | 0.3 | 0.3 | 559 | 764 |
| EBV-05-3-005 | | | 0.5 | 0.4 | | |
| EBV-05-3-009 | | | 0.9 | 0.8 | | |
| EBV-05-3-01 | | | 1.4 | 1.2 | | |
| EBV-05-3-02 | | | 2 | 1.7 | | |
| EBV-05-3-03 | | | 3 | 2.6 | | |
| EBV-05-3-05 | | | 4.9 | 4.2 | | |
| EBV-05-3-08 | | | 8 | 6.9 | | |
| EBV-05-3-13 | | | 12.5 | 10.8 | | |
| EBV-05-3-17* | | | 17.2 | 14.9 | | |
| EBV-75-3-05 | .75 | 20 | 4.9 | 4.2 | 596 | 801 |
| EBV-75-3-08 | | | 7.8 | 6.7 | | |
| EBV-75-3-12 | | | 12.3 | 10.6 | | |
| EBV-75-3-15* | | | 15.3 | 13.2 | | |
| EBV-1-3-08 | 1 | 25 | 7.8 | 6.7 | 789 | 994 |
| EBV-1-3-12 | | | 12.1 | 10.5 | | |
| EBV-1-3-20 | | | 19.5 | 16.9 | | |
| EBV-1-3-30* | | | 29.9 | 25.9 | | |
| EBV-125-3-12 | 1.25 | 32 | 11.7 | 10.1 | 820 | 1025 |
| EBV-125-3-20 | | | 19.8 | 17.1 | | |
| EBV-125-3-30 | | | 30.4 | 26.3 | | |
| EBV-125-3-45* | | | 44.8 | 38.8 | | |
| EBV-150-3-20 | 1.5 | 40 | 19.6 | 17.0 | 948 | 1153 |
| EBV-150-3-30 | | | 30.4 | 26.3 | | |
| EBV-150-3-48* | | | 48.3 | 41.8 | | |
| EBV-2-3-29 | 2 | 50 | 29.2 | 25.3 | 1272 | 1477 |
| EBV-2-3-49 | | | 48.8 | 42.2 | | |
| EBV-2-3-75 | | | 75.2 | 65.0 | | |
| EBV-2-3-96* | | | 95.5 | 82.6 | | |

Options/Adders

* Reduced port valve - No characterizing disc

Bypass port CV equal approximately 50% of control port CV

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales



EBV - 3-Way Standard Trim with Spring Return Commercial Electric Actuators

| 3-Way, On/Off - Spring Return Actuators - (200 psi - Close Off) | | | | | | | | | | |
|---|------------|----|------------------|------|------------------|------------------|---------------------|------------------|---------------------|----------------|
| Actuator Model Details | | | | | | | | | | |
| Auxiliary Switches | | | | | ■ | | ■ | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | 1/2 N | | | | 1/2 N | | 1/2 N | |
| Cable - Standard(S)/Plenum(P) | | | P | | P | | S | | S | |
| Manual Override | | | N/A | | N/A | | Hex Wrench Included | | Hex Wrench Included | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 24 VAC/DC On/Off | 120 VAC On/Off | 120 VAC On/Off |
| | In. | mm | Cv | Kv | DCS24-20-P | DCS24-20-AP | DCS24-62-P | DCS24-62-A | DCS120-62 | DCS120-62-A |
| EBV-05-3-003 | 0.5 | 15 | 0.3 | 0.3 | 602 | 821 | - | - | 711 | 867 |
| EBV-05-3-005 | | | 0.5 | 0.4 | | | | | | |
| EBV-05-3-009 | | | 0.9 | 0.8 | | | | | | |
| EBV-05-3-01 | | | 1.4 | 1.2 | | | | | | |
| EBV-05-3-02 | | | 2 | 1.7 | | | | | | |
| EBV-05-3-03 | | | 3 | 2.6 | | | | | | |
| EBV-05-3-05 | | | 4.9 | 4.2 | | | | | | |
| EBV-05-3-08 | | | 8 | 6.9 | | | | | | |
| EBV-05-3-13 | | | 12.5 | 10.8 | | | | | | |
| EBV-05-3-17* | | | 17.2 | 14.9 | | | | | | |
| EBV-75-3-05 | .75 | 20 | 4.9 | 4.2 | 639 | 858 | - | - | 748 | 904 |
| EBV-75-3-08 | | | 7.8 | 6.7 | | | | | | |
| EBV-75-3-12 | | | 12.3 | 10.6 | | | | | | |
| EBV-75-3-15* | | | 15.3 | 13.2 | | | | | | |
| EBV-1-3-08 | 1 | 25 | 7.8 | 6.7 | 832 | 1051 | - | - | 941 | 1097 |
| EBV-1-3-12 | | | 12.1 | 10.5 | | | | | | |
| EBV-1-3-20 | | | 19.5 | 16.9 | | | | | | |
| EBV-1-3-30* | | | 29.9 | 25.9 | | | | | | |
| EBV-125-3-12 | 1.25 | 32 | 11.7 | 10.1 | - | - | 918 | 1082 | 972 | 1128 |
| EBV-125-3-20 | | | 19.8 | 17.1 | | | | | | |
| EBV-125-3-30 | | | 30.4 | 26.3 | | | | | | |
| EBV-125-3-45* | | | 44.8 | 38.8 | | | | | | |
| EBV-150-3-20 | 1.5 | 40 | 19.6 | 17.0 | - | - | 1046 | 1210 | 1100 | 1256 |
| EBV-150-3-30 | | | 30.4 | 26.3 | | | | | | |
| EBV-150-3-48* | | | 48.3 | 41.8 | | | | | | |
| EBV-2-3-29 | 2 | 50 | 29.2 | 25.3 | - | - | 1370 | 1534 | 1424 | 1580 |
| EBV-2-3-49 | | | 48.8 | 42.2 | | | | | | |
| EBV-2-3-75 | | | 75.2 | 65.0 | | | | | | |
| EBV-2-3-96* | | | 95.5 | 82.6 | | | | | | |

Options/Adders

* Reduced port valve - No characterizing disc

If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales.

Bypass port CV equal approximately 50% of control port CV

For normally Closed, add a "C" to the end of the valve part number, i e EBV-05-3-003C, otherwise normally open Spring return models only.



EBV - 3-Way Standard Trim with Spring Return Commercial Electric Actuators

| 3-Way, Modulating - Spring Return Actuators - (200 psi - Close Off) | | | | | | | |
|---|------------|----|------------------|------|-------------------------------|-------------------------------|-------------------------------|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches | | | | | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | | | | 1/2 N | 1/2 N | |
| Cable - Standard(S)/Plenum(P) | | | | P | P | S | |
| Manual Override | | | | N/A | Hex Wrench Included | Hex Wrench Included | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Modulating 2-10 in/out | 24 VAC Modulating 0-10 in/out | 24 VAC Modulating 0-10 in/out |
| | In. | mm | Cv | Kv | DCMS24-20-P | DCMS24-62-P | DCMS24-62-A |
| EBV-05-3-003 | 0.5 | 15 | 0.3 | 0.3 | 815 | - | 998 |
| EBV-05-3-005 | | | 0.5 | 0.4 | | | |
| EBV-05-3-009 | | | 0.9 | 0.8 | | | |
| EBV-05-3-01 | | | 1.4 | 1.2 | | | |
| EBV-05-3-02 | | | 2 | 1.7 | | | |
| EBV-05-3-03 | | | 3 | 2.6 | | | |
| EBV-05-3-05 | | | 4.9 | 4.2 | | | |
| EBV-05-3-08 | | | 8 | 6.9 | | | |
| EBV-05-3-13 | | | 12.5 | 10.8 | | | |
| EBV-05-3-17* | | | 17.2 | 14.9 | | | |
| EBV-75-3-05 | .75 | 20 | 4.9 | 4.2 | 852 | - | 1035 |
| EBV-75-3-08 | | | 7.8 | 6.7 | | | |
| EBV-75-3-12 | | | 12.3 | 10.6 | | | |
| EBV-75-3-15* | | | 15.3 | 13.2 | | | |
| EBV-1-3-08 | 1 | 25 | 7.8 | 6.7 | 1045 | - | 1228 |
| EBV-1-3-12 | | | 12.1 | 10.5 | | | |
| EBV-1-3-20 | | | 19.5 | 16.9 | | | |
| EBV-1-3-30* | | | 29.9 | 25.9 | | | |
| EBV-125-3-12 | 1.25 | 32 | 11.7 | 10.1 | - | 1104 | 1259 |
| EBV-125-3-20 | | | 19.8 | 17.1 | | | |
| EBV-125-3-30 | | | 30.4 | 26.3 | | | |
| EBV-125-3-45* | | | 44.8 | 38.8 | | | |
| EBV-150-3-20 | 1.5 | 40 | 19.6 | 17.0 | - | 1232 | 1387 |
| EBV-150-3-30 | | | 30.4 | 26.3 | | | |
| EBV-150-3-48* | | | 48.3 | 41.8 | | | |
| EBV-2-3-29 | 2 | 50 | 29.2 | 25.3 | - | 1556 | 1711 |
| EBV-2-3-49 | | | 48.8 | 42.2 | | | |
| EBV-2-3-75 | | | 75.2 | 65.0 | | | |
| EBV-2-3-96* | | | 95.5 | 82.6 | | | |

Options/Adders

* Reduced port valve - No characterizing disc
 If you need a HT high temperature kit or Weathershield -WS please inquire with Inside Sales.
 Bypass port CV equal approximately 50% of control port CV
 For normally Closed, add a "C" to the end of the valve part number, i e EBV-05-3-003C, otherwise normally open Spring return models only.



STM - 2-Way with NSR & SR Commercial Electric Actuators

| 2-Way, Non-Spring Return (100 psi - Maximum Close Off) | | | | | | | | |
|--|------------|-------|------------------|-------|-----------------------------|-----------------|----------------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | ■ | | ■ | | ■ | | |
| Time Out | | ■ | | | | | | |
| Enclosed Terminal Strip | | ■ | | ■ | | | | |
| Conduit Size - Flex(F)/NPT(N) | | 1/2 N | | 3/8 N | | 1/2 N | | |
| Cable - Standard(S)/Plenum(P) | | - | | S | | - | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC On/Off & Floating | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | D24-210 | DC24-310-T | DM24-210 | DCM24-310 |
| STM250-2-47 | 2.5 | 65 | 47 | 40.7 | 2659 | 2727 | 2845 | 2822 |
| STM250-2-74 | | | 74 | 64.0 | | | | |
| STM250-2-117 | | | 117 | 101.2 | | | | |
| STM3-2-74 | 3 | 80 | 74 | 64.0 | 2871 | 2939 | 3057 | 3034 |
| STM3-2-117 | | | 117 | 101.2 | | | | |
| STM3-2-176 | | | 176 | 152.2 | | | | |
| STM3-2-211* | | | 211 | 182.5 | | | | |
| STM4-2-117 | 4 | 100 | 117 | 101.2 | 3604 | 3672 | 3790 | 3767 |
| STM4-2-176* | | | 176 | 152.2 | | | | |
| Adder -A | | | | | 160 | 156 | 160 | 156 |
| Adder -WS | | | | | 481 | 512 | 481 | 512 |

| 2-Way, Spring Return (100 psi - Maximum Close Off) | | | | | | | |
|--|------------|-------|------------------|-------|-----------------------------|----------------|----------------------|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | ■ | | ■ | | ■ | |
| Conduit Size - Flex(F)/NPT(N) | | 3/8 F | | 3/8 F | | 3/8 F | |
| Cable - Standard(S)/Plenum(P) | | S | | S | | S | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC/DC On/Off & Floating | 120 VAC On/Off | 24 VAC/DC Modulating |
| | In. | mm | Cv | Kv | DS24-180-T | DS120-180 | DMS24-180 |
| STM250-2-47 | 2.5 | 65 | 47 | 40.7 | 3037 | 3049 | 3247 |
| STM250-2-74 | | | 74 | 64.0 | | | |
| STM250-2-117 | | | 117 | 101.2 | | | |
| STM3-2-74 | 3 | 80 | 74 | 64.0 | 3249 | 3261 | 3459 |
| STM3-2-117 | | | 117 | 101.2 | | | |
| STM3-2-176 | | | 176 | 152.2 | | | |
| STM3-2-211* | | | 211 | 182.5 | | | |
| STM4-2-117 | 4 | 100 | 117 | 101.2 | 3982 | 3994 | 4192 |
| STM4-2-176* | | | 176 | 152.2 | | | |
| Adder -A | | | | | 156 | 155 | 156 |
| Adder -WS | | | | | 484 | 484 | 484 |

Options/Adders

For optional auxiliary switches, add -A to the end of the actuator part number.

Add a -WS at the end of the part # if a weather cover is needed.

*Reduced port valve - No characterizing disc

For normally Closed, add a "C" to the end of the valve part number, i.e. STM250-2-47C, otherwise normally open. Spring return models only



| 3-Way, Non-Spring Return (50 psi - Maximum Close Off) | | | | | | | | | | |
|---|------------|-------------------------------|------------------|-------|-------------|-------|-----------------------------|-----------------|----------------------|-------------------|
| Actuator Model Details | | | | | | | | | | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | ■ | | | |
| | | Time Out | | ■ | | | | | | |
| | | Enclosed Terminal Strip | | ■ | | ■ | | | | |
| | | Conduit Size - Flex(F)/NPT(N) | | 1/2 N | 3/8 N | 1/2 N | 3/8 N | | | |
| | | Cable - Standard(S)/Plenum(P) | | - | S | - | S | | | |
| Model Number | Valve Size | | Flow Coefficient | | Bypass Port | | 24 VAC/DC On/Off & Floating | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | Cv | Kv | D24-210 | DC24-310-T | DM24-210 | DCM24-310 |
| STM250-3-47 | 2.5 | 65 | 47 | 41 | 29 | 25 | 3587 | 3655 | 3773 | 3750 |
| STM250-3-74 | | | 74 | 64 | 47 | 40 | | | | |
| STM250-3-117 | | | 117 | 101 | 74 | 63 | | | | |
| STM3-3-74 | 3 | 80 | 74 | 64 | 47 | 40 | 4011 | 4079 | 4197 | 4174 |
| STM3-3-117 | | | 117 | 101 | 74 | 63 | | | | |
| STM3-3-176 | | | 176 | 152 | 88 | 75 | | | | |
| STM3-3-211* | | | 211 | 183 | 105 | 90 | | | | |
| STM4-3-117 | 4 | 100 | 117 | 101 | 74 | 63 | 4376 | 4444 | 4562 | 4539 |
| STM4-3-176* | | | 176 | 152 | 88 | 75 | | | | |
| Adder -A | | | | | | | 160 | 156 | 160 | 156 |
| Adder -WS | | | | | | | 481 | 512 | 481 | 512 |

| 3-Way, Spring Return (50 psi - Maximum Close Off) | | | | | | | | | |
|---|------------|-------------------------------|------------------|-------|-------------|-------|-----------------------------|----------------|----------------------|
| Actuator Model Details | | | | | | | | | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | | | |
| | | Conduit Size - Flex(F)/NPT(N) | | 3/8 F | 3/8 F | 3/8 F | | | |
| | | Cable - Standard(S)/Plenum(P) | | S | S | S | | | |
| Model Number | Valve Size | | Flow Coefficient | | Bypass Port | | 24 VAC/DC On/Off & Floating | 120 VAC On/Off | 24 VAC/DC Modulating |
| | In. | mm | Cv | Kv | Cv | Kv | DS24-180-T | DS120-180 | DMS24-180 |
| STM250-3-47 | 2.5 | 65 | 47 | 41 | 29 | 25 | 3965 | 3977 | 4175 |
| STM250-3-74 | | | 74 | 64 | 47 | 40 | | | |
| STM250-3-117 | | | 117 | 101 | 74 | 63 | | | |
| STM3-3-74 | 3 | 80 | 74 | 64 | 47 | 40 | 4389 | 4401 | 4599 |
| STM3-3-117 | | | 117 | 101 | 74 | 63 | | | |
| STM3-3-176 | | | 176 | 152 | 88 | 75 | | | |
| STM3-3-211* | | | 211 | 183 | 105 | 90 | | | |
| STM4-3-117 | 4 | 100 | 117 | 101 | 74 | 63 | 4754 | 4766 | 4964 |
| STM4-3-176* | | | 176 | 152 | 88 | 75 | | | |
| Adder -A | | | | | | | 156 | 155 | 156 |
| Adder -WS | | | | | | | 484 | 484 | 484 |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed.
 For normally Closed, add a "C" to the end of the valve part number, i.e. STM250-3-47C, otherwise normally open. Spring return models only.
 * Reduced port valve - No characterizing disc



BV - 2-Way with NSR & SR Commercial Electric Actuators

| 2-Way, Non-Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | | | | |
|--|------------|-------------------------------|-----------|------------------|-------|-----------------------------|---------|---------|---------|-----------|----------------------|----------|----------|----------|------------|
| Actuator Model Details | | | | | | | | | | | | | | | |
| | | Time Out | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| | | Conduit Size - Flex(F)/NPT(N) | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | |
| | | Enclosed Terminal Block | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | 24 VAC/DC On/Off & Floating | | | | | 24 VAC/DC Modulating | | | | |
| | In. | mm | | 100% | 60% | D24-70 | D24-140 | D24-210 | D24-280 | D24-280-D | DM24-70 | DM24-140 | DM24-210 | DM24-280 | DM24-280-D |
| BV05-CS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 1352 | - | - | - | - | 1877 | - | - | - | |
| BV05-CS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | | | | |
| BV05-CS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | | | | |
| BV05-CS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | | | | |
| BV05-CS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | | | | 850 |
| BV75-CS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | - | 1848 | - | - | - | - | 2442 | - | - | |
| BV75-CS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | | | | |
| BV75-CS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | | | | |
| BV75-CS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | | | | |
| BV75-CS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | | | | 1139 |
| BV1-CS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | - | - | 2106 | - | - | - | - | 2643 | - | |
| BV1-CS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | | | | |
| BV1-CS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | | | | |
| BV1-CS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | | | | |
| BV1-CS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | | | | 1270 |
| BV125-CS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | - | - | - | 2863 | - | - | - | - | 3189 | |
| BV125-CS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | | | | |
| BV125-CS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | | | | |
| BV125-CS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | | | | |
| BV125-CS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | | | | 1557 |
| BV150-CS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | - | - | - | - | 4093 | - | - | - | - | |
| BV150-CS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | | | | |
| BV150-CS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | | | | |
| BV150-CS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | | | | |
| BV150-CS3-275 | | | Full Port | 275.0 | 120.0 | | | | | | | | | | 2514 |
| Adder -A | | | | | | 90 | 112 | 103 | 109 | 133 | 119 | 134 | 121 | 118 | 152 |

| 2-Way, Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | | | |
|--|------------|-------------------------------|-----------|------------------|-------|------------------|----------|------------|----------|----------------------|-------------|-------|-------|-------|
| Actuator Model Details | | | | | | | | | | | | | | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | Conduit Size - Flex(F)/NPT(N) | | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F |
| | | Cable - Standard(S)/Plenum(P) | | S | S | S | S | S | S | S | S | S | S | S |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | 24 VAC/DC On/Off | | | | 24 VAC/DC Modulating | | | | |
| | In. | mm | | 100% | 60% | DS24-70 | DS24-180 | DS24-180-D | DMS24-70 | DMS24-180 | DMS24-180-D | | | |
| BV05-CS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 1492 | - | - | 2107 | - | - | - | - | - |
| BV05-CS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | | | |
| BV05-CS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | | | |
| BV05-CS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | | | |
| BV05-CS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | | | |
| BV75-CS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | - | 2164 | - | - | - | 2833 | - | - | - |
| BV75-CS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | | | |
| BV75-CS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | | | |
| BV75-CS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | | | |
| BV75-CS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | | | |
| BV1-CS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | - | 2276 | - | - | - | 2948 | - | - | - |
| BV1-CS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | | | |
| BV1-CS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | | | |
| BV1-CS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | | | |
| BV1-CS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | | | |
| BV125-CS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | - | - | 3390 | - | - | - | - | - | 4103 |
| BV125-CS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | | | |
| BV125-CS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | | | |
| BV125-CS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | | | |
| BV125-CS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | | | |
| Adder -A | | | | | | 90 | 109 | 106 | 118 | 119 | 116 | | | |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-CS3-04C, otherwise normally open. Spring return models only.
 V-port ball valves have a 20 to 90% max angle of controllability.
 -D indicates tandem mounted actuators are required.



BV (SS) - 2-Way with NSR & SR Commercial Electric Actuators

| 2-Way, Non-Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | | | | |
|--|------------|-------------------------------|-----------|------------------|-------|-----------------------------|---------|---------|---------|-----------|----------------------|----------|----------|----------|------------|
| Actuator Model Details | | | | | | | | | | | | | | | |
| | | Time Out | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | |
| | | Conduit Size - Flex(F)/NPT(N) | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N | | | |
| | | Enclosed Terminal Block | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | 24 VAC/DC On/Off & Floating | | | | | 24 VAC/DC Modulating | | | | |
| | In. | mm | | 100% | 60% | D24-70 | D24-140 | D24-210 | D24-280 | D24-280-D | DM24-70 | DM24-140 | DM24-210 | DM24-280 | DM24-280-D |
| BV05-SS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 1410 | - | - | - | - | 1954 | - | - | - | - |
| BV05-SS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | | | | |
| BV05-SS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | | | | |
| BV05-SS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | | | | |
| BV05-SS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | | | | |
| BV75-SS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | - | 1936 | - | - | - | - | 2547 | - | - | - |
| BV75-SS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | | | | |
| BV75-SS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | | | | |
| BV75-SS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | | | | |
| BV75-SS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | | | | |
| BV1-SS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | - | - | 2205 | - | - | - | - | 2760 | - | - |
| BV1-SS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | | | | |
| BV1-SS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | | | | |
| BV1-SS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | | | | |
| BV1-SS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | | | | |
| BV125-SS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | - | - | - | 2985 | - | - | - | - | 3321 | - |
| BV125-SS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | | | | |
| BV125-SS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | | | | |
| BV125-SS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | | | | |
| BV125-SS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | | | | |
| BV150-SS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | - | - | - | - | 4265 | - | - | - | - | 5514 |
| BV150-SS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | | | | |
| BV150-SS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | | | | |
| BV150-SS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | | | | |
| BV150-SS3-275 | | | Full Port | 275.0 | 120.0 | | | | | | | | | | |
| Adder -A | | | | | | 90 | 112 | 103 | 108 | 132 | 118 | 134 | 122 | 119 | 152 |

| 2-Way, Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | |
|--|------------|-------------------------------|-----------|------------------|-------|------------------|----------|------------|----------|----------------------|-------------|-------|
| Actuator Model Details | | | | | | | | | | | | |
| | | Auxiliary Switches Available | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | | Conduit Size - Flex(F)/NPT(N) | | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F | 3/8 F |
| | | Cable - Standard(S)/Plenum(P) | | S | S | S | S | S | S | S | S | S |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | 24 VAC/DC On/Off | | | | 24 VAC/DC Modulating | | |
| | In. | mm | | 100% | 60% | DS24-70 | DS24-180 | DS24-180-D | DMS24-70 | DMS24-180 | DMS24-180-D | |
| BV05-SS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 1550 | - | - | 2183 | - | - | - |
| BV05-SS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | |
| BV05-SS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | |
| BV05-SS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | |
| BV05-SS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | |
| BV75-SS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | - | 2251 | - | - | 2937 | - | - |
| BV75-SS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | |
| BV75-SS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | |
| BV75-SS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | |
| BV75-SS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | |
| BV1-SS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | - | 2376 | - | - | 3066 | - | - |
| BV1-SS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | |
| BV1-SS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | |
| BV1-SS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | |
| BV1-SS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | |
| BV125-SS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | - | - | 3512 | - | - | 4236 | - |
| BV125-SS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | |
| BV125-SS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | |
| BV125-SS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | |
| BV125-SS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | |
| Adder -A | | | | | | 90 | 109 | 106 | 118 | 118 | 115 | |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-SS3-04C, otherwise normally open. Spring return models only.
 V-port ball valves have a 20 to 90% max angle of controllability.
 -D Indicates tandem mounted actuators are required.



BV - 2-Way with On/Off Series 70 Industrial Electric Actuators

| 2-Way, Non-Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | |
|--|------------|-----|-----------|------------------|--------|-------------------------------------|----------|----------|------------------------------------|-------------|-------------|--------------------------------|
| Actuator Model Details | | | | | | | | | | | | |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | Series 70 Actuators On/Off, 120 VAC | | | Series 70 Actuators On/Off, 24 VAC | | | Adder for BBU (24V units only) |
| | In. | mm | | 100% | 60% | 70-0081H | 70-0121H | 70-E301H | 70-24-0081H | 70-24-0201H | 70-24-0501H | |
| BV05-CS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 5697 | - | - | 5527 | - | - | 3749 |
| BV05-CS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | |
| BV05-CS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | |
| BV05-CS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | |
| BV05-CS3-32 | | | Full Port | 32.0 | 12.6 | | | | 4800 | 4630 | 3749 | |
| BV75-CS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | 5860 | - | - | 5690 | - | - | 3749 |
| BV75-CS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | |
| BV75-CS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | |
| BV75-CS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | |
| BV75-CS3-54 | | | Full Port | 54.0 | 21.7 | | | | 4847 | 4677 | 3749 | |
| BV1-CS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | 6326 | - | - | 6156 | - | - | 3749 |
| BV1-CS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | |
| BV1-CS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | |
| BV1-CS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | |
| BV1-CS3-105 | | | Full Port | 105.0 | 45.7 | | | | 5019 | 4849 | 3749 | |
| BV125-CS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | 7076 | - | - | 6906 | - | - | 3749 |
| BV125-CS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | |
| BV125-CS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | |
| BV125-CS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | |
| BV125-CS3-200 | | | Full Port | 200.0 | 91.0 | | | | 5155 | 4985 | 3749 | |
| BV150-CS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | 7192 | - | - | 7022 | - | - | 3749 |
| BV150-CS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | |
| BV150-CS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | |
| BV150-CS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | |
| BV150-CS3-275 | | | Full Port | 275.0 | 120.0 | | | | 5290 | 5120 | 3749 | |
| BV2-CS3-29 | 2 | 50 | 15° | 34.6 | 10.6 | 8456 | - | - | 8286 | - | - | 3749 |
| BV2-CS3-48 | | | 30° | 55.0 | 17.8 | | | | | | | |
| BV2-CS3-104 | | | 60° | 135.0 | 33.9 | | | | | | | |
| BV2-CS3-130 | | | 90° | 167.0 | 42.3 | | | | | | | |
| BV2-CS3-500 | | | Full Port | 500.0 | 232.0 | | | | 6416 | 6246 | 3749 | |
| BV250-CS3-27 | 2.5 | 65 | 15° | 31.3 | 11.7 | 13234 | - | - | 13064 | - | - | 3749 |
| BV250-CS3-56 | | | 30° | 76.0 | 20.0 | | | | | | | |
| BV250-CS3-114 | | | 60° | 162.0 | 37.9 | | | | | | | |
| BV250-CS3-177 | | | 90° | 239.0 | 53.0 | | | | | | | |
| BV250-CS3-780 | | | Full Port | 780.0 | 363.0 | | | | 9103 | 8933 | 3749 | |
| BV3-CS3-32 | 3 | 80 | 15° | 38.3 | 13.4 | - | 15396 | - | - | 15782 | - | 3581 |
| BV3-CS3-70 | | | 30° | 85.0 | 26.7 | | | | | | | |
| BV3-CS3-150 | | | 60° | 193.0 | 46.3 | | | | | | | |
| BV3-CS3-237 | | | 90° | 359.0 | 69.0 | | | | | | | |
| BV3-CS3-1150 | | | Full Port | 1150.0 | 531.0 | | 11314 | 11700 | 3581 | | | |
| BV4-CS3-76 | 4 | 100 | 15° | 96.0 | 27.9 | - | - | 19099 | - | - | 21089 | 3581 |
| BV4-CS3-159 | | | 30° | 196.0 | 58.0 | | | | | | | |
| BV4-CS3-330 | | | 60° | 437.0 | 106.0 | | | | | | | |
| BV4-CS3-547 | | | 90° | 830.0 | 157.0 | | | | | | | |
| BV4-CS3-2100 | | | Full Port | 2100.0 | 1035.0 | | | 14202 | 16192 | 3581 | | |

Options/Adders

Upon Loss of Signal on Servo units:

N = Normally Open (Reverse Acting)

C = Normally Closed - Factory default

For Battery Back-Up Failsafe Unit (BBU) option on 24VAC actuators add "-BBU".

For Battery Back-Up Failsafe units:

N = Normally Open

C = Normally Closed - Factory default

For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-CS3-04C, otherwise normally open. BBU models only.

V-port ball valves have a 20 to 90% max angle of controllability



BV - 2-Way with Modulating Series 70 Industrial Electric Actuators

| 2-Way, Non-Spring Return (100 PSI Steam and 300 PSI Water) | | | | | | | | | | | | |
|--|------------|-----|-----------|------------------|--------|---|------------|------------|--|---------------|--------------------------------|---------------|
| Actuator Model Details | | | | | | | | | | | Adder for BBU (24V units only) | |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | Series 70 Actuators Modulating, 120 VAC | | | Series 70 Actuators Modulating, 24 VAC | | | |
| | In. | mm | | 100% | 60% | 70-0081SVH | 70-0121SVH | 70-E301SVH | 70-24-0081SVH | 70-24-0201SVH | | 70-24-0501SVH |
| BV05-CS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 7575 | - | - | 7501 | - | - | 3749 |
| BV05-CS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | |
| BV05-CS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | |
| BV05-CS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | |
| BV05-CS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | |
| BV75-CS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | 7738 | - | - | 7664 | - | - | 3749 |
| BV75-CS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | |
| BV75-CS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | |
| BV75-CS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | |
| BV75-CS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | |
| BV1-CS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | 8204 | - | - | 8130 | - | - | 3749 |
| BV1-CS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | |
| BV1-CS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | |
| BV1-CS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | |
| BV1-CS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | |
| BV125-CS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | 8954 | - | - | 8880 | - | - | 3749 |
| BV125-CS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | |
| BV125-CS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | |
| BV125-CS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | |
| BV125-CS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | |
| BV150-CS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | 9070 | - | - | 8996 | - | - | 3749 |
| BV150-CS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | |
| BV150-CS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | |
| BV150-CS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | |
| BV150-CS3-275 | | | Full Port | 275.0 | 120.0 | | | | | | | |
| BV2-CS3-29 | 2 | 50 | 15° | 34.6 | 10.6 | 10334 | - | - | 10260 | - | - | 3749 |
| BV2-CS3-48 | | | 30° | 55.0 | 17.8 | | | | | | | |
| BV2-CS3-104 | | | 60° | 135.0 | 33.9 | | | | | | | |
| BV2-CS3-130 | | | 90° | 167.0 | 42.3 | | | | | | | |
| BV2-CS3-500 | | | Full Port | 500.0 | 232.0 | | | | | | | |
| BV250-CS3-27 | 2.5 | 65 | 15° | 31.3 | 11.7 | 15112 | - | - | 15038 | - | - | 3749 |
| BV250-CS3-56 | | | 30° | 76.0 | 20.0 | | | | | | | |
| BV250-CS3-114 | | | 60° | 162.0 | 37.9 | | | | | | | |
| BV250-CS3-177 | | | 90° | 239.0 | 53.0 | | | | | | | |
| BV250-CS3-780 | | | Full Port | 780.0 | 363.0 | | | | | | | |
| BV3-CS3-32 | 3 | 80 | 15° | 38.3 | 13.4 | - | 17316 | - | - | 17812 | - | 3581 |
| BV3-CS3-70 | | | 30° | 85.0 | 26.7 | | | | | | | |
| BV3-CS3-150 | | | 60° | 193.0 | 46.3 | | | | | | | |
| BV3-CS3-237 | | | 90° | 359.0 | 69.0 | | | | | | | |
| BV3-CS3-1150 | | | Full Port | 1150.0 | 531.0 | | | | | | | |
| BV4-CS3-76 | 4 | 100 | 15° | 96.0 | 27.9 | - | - | 21233 | - | - | 23123 | 3581 |
| BV4-CS3-159 | | | 30° | 196.0 | 58.0 | | | | | | | |
| BV4-CS3-330 | | | 60° | 437.0 | 106.0 | | | | | | | |
| BV4-CS3-547 | | | 90° | 830.0 | 157.0 | | | | | | | |
| BV4-CS3-2100 | | | Full Port | 2100.0 | 1035.0 | | | | | | | |

Options/Adders

Upon Loss of Signal on Servo units:

N = Normally Open (Reverse Acting)

C = Normally Closed - Factory default

For Battery Back-Up Failsafe Unit (BBU) option on 24VAC actuators add "-BBU".

For Battery Back-UP Failsafe units:

N = Normally Open

C = Normally Closed - Factory default

For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-CS3-04C, otherwise normally open. BBU models only.

V-port ball valves have a 20 to 90% max angle of controllability



BV (SS) - 2-Way with On/Off Series 70 Industrial Electric Actuators

2-Way, Non-Spring Return (100 psi Steam and 300 psi Water)

| Actuator Model Details | | | | | | | | | | | | |
|------------------------|------------|-----|-----------|------------------|--------|-------------------------------------|----------|----------|------------------------------------|-------------|-------------|--------------------------------|
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | Series 70 Actuators On/Off, 120 VAC | | | Series 70 Actuators On/Off, 24 VAC | | | Adder for BBU (24V units only) |
| | In. | mm | | 100% | 60% | 70-0081H | 70-0121H | 70-E301H | 70-24-0081H | 70-24-0201H | 70-24-0501H | |
| BV05-SS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 5800 | - | - | 5630 | - | - | 3749 |
| BV05-SS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | |
| BV05-SS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | |
| BV05-SS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | |
| BV05-SS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | |
| BV75-SS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | 5985 | - | - | 5815 | - | - | 3749 |
| BV75-SS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | |
| BV75-SS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | |
| BV75-SS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | |
| BV75-SS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | |
| BV1-SS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | 6481 | - | - | 6311 | - | - | 3749 |
| BV1-SS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | |
| BV1-SS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | |
| BV1-SS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | |
| BV1-SS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | |
| BV125-SS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | 7255 | - | - | 7085 | - | - | 3749 |
| BV125-SS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | |
| BV125-SS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | |
| BV125-SS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | |
| BV125-SS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | |
| BV150-SS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | 7399 | - | - | 7229 | - | - | 3749 |
| BV150-SS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | |
| BV150-SS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | |
| BV150-SS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | |
| BV150-SS3-275 | | | Full Port | 275.0 | 120.0 | | | | | | | |
| BV2-SS3-29 | 2 | 50 | 15° | 34.6 | 10.6 | 8683 | - | - | 8513 | - | - | 3749 |
| BV2-SS3-48 | | | 30° | 55.0 | 17.8 | | | | | | | |
| BV2-SS3-104 | | | 60° | 135.0 | 33.9 | | | | | | | |
| BV2-SS3-130 | | | 90° | 167.0 | 42.3 | | | | | | | |
| BV2-SS3-500 | | | Full Port | 500.0 | 232.0 | | | | | | | |
| BV250-SS3-27 | 2.5 | 65 | 15° | 31.3 | 11.7 | 13481 | - | - | 13311 | - | - | 3749 |
| BV250-SS3-56 | | | 30° | 76.0 | 20.0 | | | | | | | |
| BV250-SS3-114 | | | 60° | 162.0 | 37.9 | | | | | | | |
| BV250-SS3-177 | | | 90° | 239.0 | 53.0 | | | | | | | |
| BV250-SS3-780 | | | Full Port | 780.0 | 363.0 | | | | | | | |
| BV3-SS3-32 | 3 | 80 | 15° | 38.3 | 13.4 | - | 15707 | - | - | 16093 | - | 3581 |
| BV3-SS3-70 | | | 30° | 85.0 | 26.7 | | | | | | | |
| BV3-SS3-150 | | | 60° | 193.0 | 46.3 | | | | | | | |
| BV3-SS3-237 | | | 90° | 359.0 | 69.0 | | | | | | | |
| BV3-SS3-1150 | | | Full Port | 1150.0 | 531.0 | | | | | | | |
| BV4-SS3-76 | 4 | 100 | 15° | 96.0 | 27.9 | - | - | 19565 | - | - | 21555 | 3581 |
| BV4-SS3-159 | | | 30° | 196.0 | 58.0 | | | | | | | |
| BV4-SS3-330 | | | 60° | 437.0 | 106.0 | | | | | | | |
| BV4-SS3-547 | | | 90° | 830.0 | 157.0 | | | | | | | |
| BV4-SS3-2100 | | | Full Port | 2100.0 | 1035.0 | | | | | | | |

Options/Adders
 Upon Loss of Signal on Servo units:
 N = Normally Open - (Reverse Acting)
 C = Normally Closed (Factory default)
 For Battery Back-Up Failsafe Unit (BBU) option on 24VAC actuators add "-BBU".
 For Battery Back-Up Failsafe units:
 N = Normally Open
 C = Normally Closed - Factory default
 For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-CS3-04C, otherwise normally open. BBU models only.
 V-port ball valves have a 20 to 90% max angle of controllability

PRICING - BV (SS) Industrial Ball Valves - 2-Way



BV (SS) - 2-Way with Modulating Series 70 Industrial Electric Actuators

| 2-Way, Non-Spring Return (100 psi Steam and 300 psi Water) | | | | | | | | | | | | |
|--|------------|-----|-----------|------------------|--------|---|------------|------------|--|---------------|---------------|--------------------------------|
| Actuator Model Details | | | | | | | | | | | | |
| Model Number | Valve Size | | V-Cut | Flow Coefficient | | Series 70 Actuators Modulating, 120 VAC | | | Series 70 Actuators Modulating, 24 VAC | | | Adder for BBU (24V units only) |
| | In. | mm | | 100% | 60% | 70-0081SVH | 70-0121SVH | 70-E301SVH | 70-24-0081SVH | 70-24-0201SVH | 70-24-0501SVH | |
| BV05-SS3-04 | 0.5 | 15 | 15° | 4.1 | 1.6 | 7678 | - | - | 7604 | - | - | 3749 |
| BV05-SS3-05 | | | 30° | 5.5 | 1.8 | | | | | | | |
| BV05-SS3-09 | | | 60° | 12.7 | 2.9 | | | | | | | |
| BV05-SS3-12 | | | 90° | 14.7 | 3.2 | | | | | | | |
| BV05-SS3-32 | | | Full Port | 32.0 | 12.6 | | | | | | | |
| BV75-SS3-05 | .75 | 20 | 15° | 5.5 | 2.1 | 7863 | - | - | 7789 | - | - | 3749 |
| BV75-SS3-06 | | | 30° | 7.3 | 2.4 | | | | | | | |
| BV75-SS3-12 | | | 60° | 16.2 | 3.8 | | | | | | | |
| BV75-SS3-15 | | | 90° | 19.3 | 4.2 | | | | | | | |
| BV75-SS3-54 | | | Full Port | 54.0 | 21.7 | | | | | | | |
| BV1-SS3-09 | 1 | 25 | 15° | 9.8 | 3.7 | 8359 | - | - | 8285 | - | - | 3749 |
| BV1-SS3-13 | | | 30° | 15.4 | 5.3 | | | | | | | |
| BV1-SS3-23 | | | 60° | 32.8 | 8.0 | | | | | | | |
| BV1-SS3-31 | | | 90° | 43.8 | 12.2 | | | | | | | |
| BV1-SS3-105 | | | Full Port | 105.0 | 45.7 | | | | | | | |
| BV125-SS3-11 | 1.25 | 32 | 15° | 12.8 | 4.0 | 9133 | - | - | 9059 | - | - | 3749 |
| BV125-SS3-15 | | | 30° | 17.3 | 6.0 | | | | | | | |
| BV125-SS3-33 | | | 60° | 43.4 | 10.8 | | | | | | | |
| BV125-SS3-52 | | | 90° | 65.0 | 17.2 | | | | | | | |
| BV125-SS3-200 | | | Full Port | 200.0 | 91.0 | | | | | | | |
| BV150-SS3-15 | 1.5 | 40 | 15° | 17.6 | 5.5 | 9277 | - | - | 9203 | - | - | 3749 |
| BV150-SS3-20 | | | 30° | 23.8 | 8.3 | | | | | | | |
| BV150-SS3-46 | | | 60° | 59.0 | 14.8 | | | | | | | |
| BV150-SS3-71 | | | 90° | 90.0 | 22.6 | | | | | | | |
| BV150-SS3-275 | | | Full Port | 275.0 | 120.0 | | | | | | | |
| BV2-SS3-29 | 2 | 50 | 15° | 34.6 | 10.6 | 10561 | - | - | 10487 | - | - | 3749 |
| BV2-SS3-48 | | | 30° | 55.0 | 17.8 | | | | | | | |
| BV2-SS3-104 | | | 60° | 135.0 | 33.9 | | | | | | | |
| BV2-SS3-130 | | | 90° | 167.0 | 42.3 | | | | | | | |
| BV2-SS3-500 | | | Full Port | 500.0 | 232.0 | | | | | | | |
| BV250-SS3-27 | 2.5 | 65 | 15° | 31.3 | 11.7 | 15359 | - | - | 15285 | - | - | 3749 |
| BV250-SS3-56 | | | 30° | 76.0 | 20.0 | | | | | | | |
| BV250-SS3-114 | | | 60° | 162.0 | 37.9 | | | | | | | |
| BV250-SS3-177 | | | 90° | 239.0 | 53.0 | | | | | | | |
| BV250-SS3-780 | | | Full Port | 780.0 | 363.0 | | | | | | | |
| BV3-SS3-32 | 3 | 80 | 15° | 38.3 | 13.4 | - | 17627 | - | - | 18123 | - | 3581 |
| BV3-SS3-70 | | | 30° | 85.0 | 26.7 | | | | | | | |
| BV3-SS3-150 | | | 60° | 193.0 | 46.3 | | | | | | | |
| BV3-SS3-237 | | | 90° | 359.0 | 69.0 | | | | | | | |
| BV3-SS3-1150 | | | Full Port | 1150.0 | 531.0 | | | | | | | |
| BV4-SS3-76 | 4 | 100 | 15° | 96.0 | 27.9 | - | - | 21699 | - | - | 23589 | 3581 |
| BV4-SS3-159 | | | 30° | 196.0 | 58.0 | | | | | | | |
| BV4-SS3-330 | | | 60° | 437.0 | 106.0 | | | | | | | |
| BV4-SS3-547 | | | 90° | 830.0 | 157.0 | | | | | | | |
| BV4-SS3-2100 | | | Full Port | 2100.0 | 1035.0 | | | | | | | |

Options/Adders

Upon Loss of Signal on Servo units:

N = Normally Open - (Reverse Acting)

C = Normally Closed (Factory default)

For Battery Back-Up Failsafe Unit (BBU) option on 24VAC actuators add "-BBU".

For Battery Back-UP Failsafe units:

N = Normally Open

C = Normally Closed - Factory default

For normally Closed, add a "C" to the end of the valve part number, i.e. BV05-SS3-04C, otherwise normally open. BBU models only.

V-port ball valves have a 20 to 90% max angle of controllability



BVMS - 2-Way with On/Off & Modulating Series 70 Industrial Electric Actuators

2-Way, 24 VAC & 120 VAC, On/Off Actuators - (285 psi WATER/100 psi STEAM Close-Off)

| Model Number | Valve Size | | Cv | | Series 70 120 VAC On/Off | | Series 70 24 VAC On/Off | | Adder for SS Body | Adder for BBU (24V units only) |
|------------------|------------|-----|------|-----|--------------------------|-------|-------------------------|-------|-------------------|--------------------------------|
| | In. | mm | 90° | 60° | Model | Price | Model | Price | | |
| BVMS2-C150-0095 | 2 | 50 | 95 | 20 | 70-0081H | 9061 | 70-24-0081H | 8891 | 641 | 3474 |
| BVMS3-C150-0287 | 3 | 80 | 287 | 64 | 70-0081H | 12614 | 70-24-0081H | 12444 | 949 | 3474 |
| BVMS4-C150-0436 | 4 | 100 | 436 | 98 | 70-0121H | 14825 | 70-24-0201H | 15211 | 1343 | 3579 |
| BVMS6-C150-0760 | 6 | 150 | 760 | 191 | 70-0201H | 23942 | 70-24-0201H | 23622 | 3459 | 3579 |
| BVMS8-C150-1350 | 8 | 200 | 1350 | 369 | 70-E301H | 27999 | 70-24-0501H | 29989 | 5556 | 3581 |
| BVMS10-C150-2380 | 10 | 250 | 2380 | 571 | 70-0501H | 42401 | 70-24-0501H | 42402 | 6732 | 3581 |
| BVMS12-C150-3410 | 12 | 300 | 3410 | 780 | 70-1300H | 59914 | - | - | 10947 | - |

2-Way, 24 VAC & 120 VAC, Modulating Actuators - (285 psi WATER/100 psi STEAM Close-Off)

| Model Number | Valve Size | | Cv | | Series 70 120 VAC Modulating | | Series 70 24 VAC Modulating | | Adder for SS Body | Adder for BBU (24V units only) |
|------------------|------------|-----|------|-----|------------------------------|-------|-----------------------------|-------|-------------------|--------------------------------|
| | In. | mm | 90° | 60° | Model | Price | Model | Price | | |
| BVMS2-C150-0095 | 2 | 50 | 95 | 20 | 70-0081SVH | 10939 | 70-24-0081SVH | 10865 | 641 | 3749 |
| BVMS3-C150-0287 | 3 | 80 | 287 | 64 | 70-0081SVH | 14492 | 70-24-0081SVH | 14418 | 949 | 3749 |
| BVMS4-C150-0436 | 4 | 100 | 436 | 98 | 70-0121SVH | 16745 | 70-24-0201SVH | 17241 | 1343 | 3581 |
| BVMS6-C150-0760 | 6 | 150 | 760 | 191 | 70-0201SVH | 25863 | 70-24-0201SVH | 25652 | 3459 | 3581 |
| BVMS8-C150-1350 | 8 | 200 | 1350 | 369 | 70-E301SVH | 30133 | 70-24-0501SVH | 32023 | 5556 | 3581 |
| BVMS10-C150-2380 | 10 | 250 | 2380 | 571 | 70-0501SVH | 44244 | 70-24-0501SVH | 44436 | 6732 | 3581 |
| BVMS12-C150-3410 | 12 | 300 | 3410 | 780 | 70-1300SVH | 61854 | - | - | 10947 | - |

Options/Adders

Upon Loss of Signal on Servo units:

N = Normally Open (Reverse Acting)

C = Normally Closed - Factory default

For Battery Back-Up Failsafe Unit (BBU) option on 24VAC actuators add "-BBU".

For Battery Back-UP Failsafe units:

N = Normally Open

C = Normally Closed - Factory default

**For normally Closed, add a "C" to the end of the valve part number, i.e. BVMS2-C150-0095C, otherwise normally open. BBU models only.

**Add "S150" in place of C150 for stainless steel body option.



SS - 2-Way Threaded with On/Off and Modulating Electric Actuators

| Simple Set - Floating & On/Off - Non-Fail safe Actuators | | | | | |
|--|------------|----|------------------------------------|-------|-----------|
| Model Number | Valve Size | | Description | Price | -WS Adder |
| | In. | mm | | | |
| SS-050-N-L-x/PA24-27 | 0.5 | 15 | 1/2" NPT Threads 3.1 Max. GPM | 505 | 648 |
| SS-050-N-S-x/PA24-27 | 0.5 | 15 | 1/2" NPT Threads 6.9 Max. GPM | 505 | |
| SS-075-N-L-x/PA24-27 | .75 | 20 | 3/4" NPT Thread 3.3 Max. GPM | 629 | |
| SS-075-N-S-x/PA24-27 | .75 | 20 | 3/4" NPT Thread 8.0 Max. GPM | 629 | |
| SS-1-N-S-x/PA24-27 | 1 | 25 | 1" NPT Thread 8.1 Max. GPM | 1047 | |
| SS-125-N-S-x/PA24-27 | 1.25 | 32 | 1-1/4" NPT Thread 13.2 Max. GPM | 1322 | |
| SS-150-N-S-x/PAM24-100 | 1.5 | 40 | 1-1/2" NPT Thread 33.4 Max. GPM | 2637 | 656 |
| SS-2-N-S-x/PAM24-100 | 2 | 50 | 2" NPT Thread 64.7 Max. GPM | 2783 | |
| SS-2-N-H-x/PAM24-112 | 2 | 50 | 2" Ductile NPT Thread 110 Max. GPM | 5699 | |

| Simple Set - Floating & On/Off - Fail safe Actuators | | | | | | |
|--|------------|----|------------------------------------|-------|-----------|----------|
| Model Number | Valve Size | | Description | Price | -WS Adder | -A Adder |
| | In. | mm | | | | |
| SS-050-N-L-x/PA24-27-FS | 0.5 | 15 | 1/2" NPT Threads 3.1 Max. GPM | 825 | 648 | - |
| SS-050-N-S-x/PA24-27-FS | 0.5 | 15 | 1/2" NPT Threads 6.9 Max. GPM | 825 | | |
| SS-075-N-L-x/PA24-27-FS | .75 | 20 | 3/4" NPT Thread 3.3 Max. GPM | 949 | | |
| SS-075-N-S-x/PA24-27-FS | .75 | 20 | 3/4" NPT Thread 8.0 Max. GPM | 949 | | |
| SS-1-N-S-x/PA24-27-FS | 1 | 25 | 1" NPT Thread 8.1 Max. GPM | 1367 | | |
| SS-125-N-S-x/PA24-27-FS | 1.25 | 32 | 1-1/4" NPT Thread 13.2 Max. GPM | 1642 | | |
| SS-150-N-S-x/PAM24-100-FS | 1.5 | 40 | 1-1/2" NPT Thread 33.4 Max. GPM | 2925 | 656 | - |
| SS-2-N-S-x/PAM24-100-FS | 2 | 50 | 2" NPT Thread 64.7 Max. GPM | 3071 | | |
| SS-2-N-H-x/GASRE24-450 | 2 | 50 | 2" Ductile NPT Thread 110 Max. GPM | 7348 | | |

| Simple Set - Modulating - Non-Fail safe Actuators | | | | | |
|---|------------|----|------------------------------------|-------|-----------|
| Model Number | Valve Size | | Description | Price | -WS Adder |
| | In. | mm | | | |
| SS-050-N-L-x/PAM24-27 | 0.5 | 15 | 1/2" NPT Threads 3.1 Max. GPM | 593 | 648 |
| SS-050-N-S-x/PAM24-27 | 0.5 | 15 | 1/2" NPT Threads 6.9 Max. GPM | 593 | |
| SS-075-N-L-x/PAM24-27 | .75 | 20 | 3/4" NPT Thread 3.3 Max. GPM | 717 | |
| SS-075-N-S-x/PAM24-27 | .75 | 20 | 3/4" NPT Thread 8.0 Max. GPM | 717 | |
| SS-1-N-S-x/PAM24-27 | 1 | 25 | 1" NPT Thread 8.1 Max. GPM | 1135 | |
| SS-125-N-S-x/PAM24-27 | 1.25 | 32 | 1-1/4" NPT Thread 13.2 Max. GPM | 1410 | |
| SS-150-N-S-x/PAM24-100 | 1.5 | 40 | 1-1/2" NPT Thread 33.4 Max. GPM | 2637 | 656 |
| SS-2-N-S-x/PAM24-100 | 2 | 50 | 2" NPT Thread 64.7 Max. GPM | 2783 | |
| SS-2-N-H-x/PAM24-112 | 2 | 50 | 2" Ductile NPT Thread 110 Max. GPM | 5699 | |

| Simple Set - Modulating - Fail safe Actuators | | | | | | |
|---|------------|----|------------------------------------|-------|-----------|----------|
| Model Number | Valve Size | | Description | Price | -WS Adder | -A Adder |
| | In. | mm | | | | |
| SS-050-N-L-x/PAM24-27-FS | 0.5 | 15 | 1/2" NPT Threads 3.1 Max. GPM | 862 | 648 | NA |
| SS-050-N-S-x/PAM24-27-FS | 0.5 | 15 | 1/2" NPT Threads 6.9 Max. GPM | 862 | | |
| SS-075-N-L-x/PAM24-27-FS | .75 | 20 | 3/4" NPT Thread 3.3 Max. GPM | 986 | | |
| SS-075-N-S-x/PAM24-27-FS | .75 | 20 | 3/4" NPT Thread 8.0 Max. GPM | 986 | | |
| SS-1-N-S-x/PAM24-27-FS | 1 | 25 | 1" NPT Thread 8.1 Max. GPM | 1404 | | |
| SS-125-N-S-x/PAM24-27-FS | 1.25 | 32 | 1-1/4" NPT Thread 13.2 Max. GPM | 1679 | | |
| SS-150-N-S-x/PAM24-100-FS | 1.5 | 40 | 1-1/2" NPT Thread 33.4 Max. GPM | 2925 | 656 | - |
| SS-2-N-S-x/PAM24-100-FS | 2 | 50 | 2" NPT Thread 64.7 Max. GPM | 3071 | | |
| SS-2-N-H-x/GASRE24-450 | 2 | 50 | 2" Ductile NPT Thread 110 Max. GPM | 7348 | | |

Options/Adders
"x" Indicates requested GPM flow.
For normally Closed, add a "C" to the end of the valve part number, i.e. SS-050-N-L-xC, otherwise normally open. Fail safe models only.
For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
Add a -WS at the end of the part # if a weather cover is needed.



SS - Simple Set Series PIC Valves - Accessories

| Strainer/Drain Valve | | | |
|----------------------|------------|----|-------|
| Model Number | Valve Size | | Price |
| | In. | mm | |
| SD-05 | 0.5 | 15 | 487 |
| SD-75 | .75 | 20 | 550 |
| SD-1 | 1 | 25 | 608 |
| SD-125 | 1.25 | 32 | 1164 |
| SD-150 | 1.5 | 40 | 1257 |
| SD-2 | 2 | 50 | 1742 |

| Hose Kits - Stainless Steel Braided | | | | |
|-------------------------------------|----------|----|--------|------------------------|
| Model Number | Diameter | | Length | Price Includes 2 Hoses |
| | In. | mm | | |
| Hose-05-12 | 0.5 | 15 | 12 | 256 |
| Hose-05-18 | | | 18 | 283 |
| Hose-05-24 | | | 24 | 309 |
| Hose-05-36 | | | 36 | 363 |
| Hose-75-12 | .75 | 20 | 12 | 350 |
| Hose-75-18 | | | 18 | 389 |
| Hose-75-24 | | | 24 | 426 |
| Hose-75-36 | | | 36 | 502 |
| Hose-1-12 | 1 | 25 | 12 | 712 |
| Hose-1-18 | | | 18 | 772 |
| Hose-1-24 | | | 24 | 835 |
| Hose-1-36 | | | 36 | 957 |
| Hose-125-24 | 1.25 | 32 | 24 | 1273 |
| Hose-125-36 | | | 36 | 1448 |
| Hose-150-24 | 1.5 | 40 | 24 | 2800 |
| Hose-150-36 | | | 36 | 3091 |
| Hose-2-24 | 2 | 50 | 24 | 3207 |
| Hose-2-36 | | | 36 | 3470 |

| Replacement Cartridges | | |
|------------------------|------------------------|-------|
| Model Number | Size - in. | Price |
| CART-SS-050-L | 0.5 & .75 Low Flow | 292 |
| CART-SS-050-S | 0.5 to 1 Standard Flow | 292 |
| CART-SS-125-S | 1.25 | 458 |
| CART-SS-150-S | 1.5 | 876 |
| CART-SS-200-S | 2 | 1475 |



SSM - 2-Way Flanged, ANSI 125 with Spring Return & Non-Spring Return Actuators & Accessories

| Simple Set Max - Flanged, ANSI 125, On/Off, Floating, Modulating - Non-Spring Return Actuators | | | | | | |
|--|------------|-----|--------------------------------|-------|----------|-----------|
| Model Number | Valve Size | | Description | Price | -A Adder | -WS Adder |
| | In. | mm | | | | |
| SSM-250-A-L-x/PAM24-112 | 2.5 | 65 | ANSI 125 Flanged 110 Max. GPM | 9119 | - | 656 |
| SSM-250-A-H-x/PAM24-112 | 2.5 | 65 | ANSI 125 Flanged 154 Max. GPM | 9817 | - | |
| SSM-3-A-L-x/PAM24-112 | 3 | 80 | ANSI 125 Flanged 150 Max. GPM | 9427 | - | |
| SSM-3-A-H-x/PAM24-112 | 3 | 80 | ANSI 125 Flanged 189 Max. GPM | 10053 | - | |
| SSM-250-A-L-x/GA24-562 | 2.5 | 65 | ANSI 125 Flanged 110 Max. GPM | 10519 | 390 | 806 |
| SSM-250-A-H-x/GA24-562 | 2.5 | 65 | ANSI 125 Flanged 154 Max. GPM | 11217 | | |
| SSM-3-A-L-x/GA24-562 | 3 | 80 | ANSI 125 Flanged 150 Max. GPM | 10827 | | |
| SSM-3-A-H-x/GA24-562 | 3 | 80 | ANSI 125 Flanged 189 Max. GPM | 11453 | | |
| SSM-4-A-L-x/GA24-562 | 4 | 100 | ANSI 125 Flanged 299 Max. GPM | 13751 | | |
| SSM-4-A-H-x/GA24-562 | 4 | 100 | ANSI 125 Flanged 396 Max. GPM | 14573 | | |
| SSM-5-A-L-x/GA24-562 | 5 | 125 | ANSI 125 Flanged 484 Max. GPM | 18540 | | |
| SSM-5-A-H-x/GA24-562 | 5 | 125 | ANSI 125 Flanged 594 Max. GPM | 19917 | | |
| SSM-6-A-L-x/GA24-562 | 6 | 150 | ANSI 125 Flanged 652 Max. GPM | 23964 | | |
| SSM-6-A-H-x/GA24-562 | 6 | 150 | ANSI 125 Flanged 859 Max. GPM | 26000 | | |
| SSM-8-A-L-x/GA24-562 | 8 | 200 | ANSI 125 Flanged 925 Max. GPM | 36922 | | |
| SSM-8-A-H-x/GA24-562 | 8 | 200 | ANSI 125 Flanged 1233 Max. GPM | 39368 | | |
| SSM-10-A-L-x/GA24-562 | 10 | 250 | ANSI 125 Flanged 2091 Max. GPM | 66212 | | |
| SSM-10-A-H-x/GA24-562 | 10 | 250 | ANSI 125 Flanged 2642 Max. GPM | 70543 | | |
| SSM-12-A-L-x/GA24-562 | 12 | 300 | ANSI 125 Flanged 2091 Max. GPM | 77699 | | |
| SSM-12-A-H-x/GA24-562 | 12 | 300 | ANSI 125 Flanged 2642 Max. GPM | 82799 | | |

| Simple Set Max - Flanged, ANSI 125, On/Off, Floating, Modulating - Spring Return Actuators | | | | | | |
|--|------------|-----|--------------------------------|-------|----------|-----------|
| Model Number | Valve Size | | Description | Price | -A Adder | -WS Adder |
| | In. | mm | | | | |
| SSM-250-A-L-x/GASRE24-450 | 2.5 | 65 | ANSI 125 Flanged 110 Max. GPM | 11194 | 390 | 806 |
| SSM-250-A-H-x/GASRE24-450 | 2.5 | 65 | ANSI 125 Flanged 154 Max. GPM | 11892 | | |
| SSM-3-A-L-x/GASRE24-450 | 3 | 80 | ANSI 125 Flanged 150 Max. GPM | 11502 | | |
| SSM-3-A-H-x/GASRE24-450 | 3 | 80 | ANSI 125 Flanged 189 Max. GPM | 12128 | | |
| SSM-4-A-L-x/GASRE24-450 | 4 | 100 | ANSI 125 Flanged 299 Max. GPM | 14426 | | |
| SSM-4-A-H-x/GASRE24-450 | 4 | 100 | ANSI 125 Flanged 396 Max. GPM | 15248 | | |
| SSM-5-A-L-x/GASRE24-450 | 5 | 125 | ANSI 125 Flanged 484 Max. GPM | 19215 | | |
| SSM-5-A-H-x/GASRE24-450 | 5 | 125 | ANSI 125 Flanged 594 Max. GPM | 20592 | | |
| SSM-6-A-L-x/GASRE24-450 | 6 | 150 | ANSI 125 Flanged 652 Max. GPM | 24639 | | |
| SSM-6-A-H-x/GASRE24-450 | 6 | 150 | ANSI 125 Flanged 859 Max. GPM | 26675 | | |
| SSM-8-A-L-x/GASRE24-450 | 8 | 200 | ANSI 125 Flanged 925 Max. GPM | 37597 | | |
| SSM-8-A-H-x/GASRE24-450 | 8 | 200 | ANSI 125 Flanged 1233 Max. GPM | 40043 | | |

Options/Adders

"x" Indicates requested GPM flow.
 For normally Closed, add a "C" to the end of the valve part number and utilize the GASEX24-450 actuator, i.e. SSM-250-A-L-xC/GASEX24-450, otherwise normally open. Fail safe models only.
 For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
 Add a -WS at the end of the part# if a weather cover is needed.

Strainer/Drain Valve

| Model Number | Valve Size | | Price |
|--------------|------------|-----|-------|
| | In. | mm | |
| SD-250 | 2.5 | 65 | 1884 |
| SD-3 | 3 | 80 | 2041 |
| SD-4 | 4 | 100 | 2341 |
| SD-5 | 5 | 125 | 4426 |
| SD-6 | 6 | 150 | 5844 |



SSM - 2-Way Flanged, ANSI 250 with Spring Return & Non-Spring Return Actuators & Accessories

| Simple Set Max - Flanged, ANSI 250, On/Off, Floating, Modulating - Non-Spring Return Actuators | | | | | | |
|--|------------|-----|--------------------------------|-------|----------|-----------|
| Model Number | Valve Size | | Description | Price | -A Adder | -WS Adder |
| | In. | mm | | | | |
| SSM-250-A250-L-x/PAM24-112 | 2.5 | 65 | ANSI 250 Flanged 110 Max. GPM | 9594 | - | 656 |
| SSM-250-A250-H-x/PAM24-112 | 2.5 | 65 | ANSI 250 Flanged 154 Max. GPM | 10310 | - | |
| SSM-3-A250-L-x/PAM24-112 | 3 | 80 | ANSI 250 Flanged 150 Max. GPM | 9833 | - | |
| SSM-3-A250-H-x/PAM24-112 | 3 | 80 | ANSI 250 Flanged 189 Max. GPM | 10461 | - | 806 |
| SSM-250-A250-L-x/GA24-562 | 2.5 | 65 | ANSI 250 Flanged 110 Max. GPM | 10994 | 390 | |
| SSM-250-A250-H-x/GA24-562 | 2.5 | 65 | ANSI 250 Flanged 154 Max. GPM | 11710 | | |
| SSM-3-A250-L-x/GA24-562 | 3 | 80 | ANSI 250 Flanged 150 Max. GPM | 11233 | | |
| SSM-3-A250-H-x/GA24-562 | 3 | 80 | ANSI 250 Flanged 189 Max. GPM | 11861 | | |
| SSM-4-A250-L-x/GA24-562 | 4 | 100 | ANSI 250 Flanged 299 Max. GPM | 15362 | | |
| SSM-4-A250-H-x/GA24-562 | 4 | 100 | ANSI 250 Flanged 396 Max. GPM | 16185 | | |
| SSM-5-A250-L-x/GA24-562 | 5 | 125 | ANSI 250 Flanged 484 Max. GPM | 22117 | | |
| SSM-5-A250-H-x/GA24-562 | 5 | 125 | ANSI 250 Flanged 594 Max. GPM | 23493 | | |
| SSM-6-A250-L-x/GA24-562 | 6 | 150 | ANSI 250 Flanged 652 Max. GPM | 29728 | | |
| SSM-6-A250-H-x/GA24-562 | 6 | 150 | ANSI 250 Flanged 859 Max. GPM | 31762 | | |
| SSM-8-A250-L-x/GA24-562 | 8 | 200 | ANSI 250 Flanged 925 Max. GPM | 39820 | | |
| SSM-8-A250-H-x/GA24-562 | 8 | 200 | ANSI 250 Flanged 1233 Max. GPM | 42249 | | |
| SSM-10-A250-L-x/GA24-562 | 10 | 250 | ANSI 250 Flanged 2091 Max. GPM | 71540 | | |
| SSM-10-A250-H-x/GA24-562 | 10 | 250 | ANSI 250 Flanged 2642 Max. GPM | 75890 | | |
| SSM-12-A250-L-x/GA24-562 | 12 | 300 | ANSI 250 Flanged 2091 Max. GPM | 83983 | | |
| SSM-12-A250-H-x/GA24-562 | 12 | 300 | ANSI 250 Flanged 2642 Max. GPM | 89084 | | |

| Simple Set Max - Flanged, ANSI 250, On/Off, Floating, Modulating - Spring Return Actuators | | | | | | |
|--|------------|-----|--------------------------------|-------|----------|-----------|
| Model Number | Valve Size | | Description | Price | -A Adder | -WS Adder |
| | In. | mm | | | | |
| SSM-250-A250-L-x/GASRE24-450 | 2.5 | 65 | ANSI 250 Flanged 110 Max. GPM | 11669 | 390 | 806 |
| SSM-250-A250-H-x/GASRE24-450 | 2.5 | 65 | ANSI 250 Flanged 154 Max. GPM | 12385 | | |
| SSM-3-A250-L-x/GASRE24-450 | 3 | 80 | ANSI 250 Flanged 150 Max. GPM | 11908 | | |
| SSM-3-A250-H-x/GASRE24-450 | 3 | 80 | ANSI 250 Flanged 189 Max. GPM | 12536 | | |
| SSM-4-A250-L-x/GASRE24-450 | 4 | 100 | ANSI 250 Flanged 299 Max. GPM | 16037 | | |
| SSM-4-A250-H-x/GASRE24-450 | 4 | 100 | ANSI 250 Flanged 396 Max. GPM | 16860 | | |
| SSM-5-A250-L-x/GASRE24-450 | 5 | 125 | ANSI 250 Flanged 484 Max. GPM | 22792 | | |
| SSM-5-A250-H-x/GASRE24-450 | 5 | 125 | ANSI 250 Flanged 594 Max. GPM | 24168 | | |
| SSM-6-A250-L-x/GASRE24-450 | 6 | 150 | ANSI 250 Flanged 652 Max. GPM | 30403 | | |
| SSM-6-A250-H-x/GASRE24-450 | 6 | 150 | ANSI 250 Flanged 859 Max. GPM | 32437 | | |
| SSM-8-A250-L-x/GASRE24-450 | 8 | 200 | ANSI 250 Flanged 925 Max. GPM | 40495 | | |
| SSM-8-A250-H-x/GASRE24-450 | 8 | 200 | ANSI 250 Flanged 1233 Max. GPM | 42924 | | |

Options/Adders
"x" Indicates requested GPM flow.
For normally Closed, add a "C" to the end of the valve part number and utilize the GASEX24-450 actuator, i.e. SSM-250-A-L-xC/GASEX24-450, otherwise normally open. Fail safe models only.
For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
Add a -WS at the end of the part# if a weather cover is needed.

| Strainer/Drain Valve | | | |
|----------------------|------------|-----|-------|
| Model Number | Valve Size | | Price |
| | In. | mm | |
| SD-250 | 2.5 | 65 | 1884 |
| SD-3 | 3 | 80 | 2041 |
| SD-4 | 4 | 100 | 2341 |
| SD-5 | 5 | 125 | 4426 |
| SD-6 | 6 | 150 | 5844 |

PRICING - Simple Set Max Series PIC Valves ANSI 250 - 2-Way



CG/DG Threaded Globe Valves - 2-Way Standard Trim with Electric Actuators

| 2-Way Valves, Non Fail Safe or Non Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | |
| Direct Mount | | | | ■ | ■ | ■ | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67 | GAM24-67 | GA24-225 | GAM24-225 |
| CG05-2-004 | 0.5 | 15 | 0.4 | 0.3 | 1148 | 1298 | - | - |
| CG05-2-006 | 0.5 | 15 | 0.63 | 0.5 | 1148 | 1298 | - | - |
| CG05-2-01 | 0.5 | 15 | 1 | 0.9 | 1148 | 1298 | - | - |
| CG05-2-02 | 0.5 | 15 | 1.6 | 1.4 | 1148 | 1298 | - | - |
| CG05-2-03 | 0.5 | 15 | 2.5 | 2.2 | 1148 | 1298 | - | - |
| CG05-2-04 | 0.5 | 15 | 4 | 3.5 | 1148 | 1298 | - | - |
| CG75-2-07 | .75 | 20 | 6.3 | 5.4 | 1189 | 1339 | - | - |
| CG1-2-10 | 1.0 | 25 | 10 | 8.7 | 1294 | 1444 | - | - |
| DG125-2-16 | 1.25 | 32 | 16 | 13.8 | - | - | 1574 | 1706 |
| DG150-2-25 | 1.50 | 40 | 25 | 21.6 | - | - | 1726 | 1858 |
| DG2-2-40 | 2.0 | 50 | 40 | 34.6 | - | - | 2070 | 2202 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

| 2-Way Valves, Fail Safe or Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | |
| Direct Mount | | | | ■ | ■ | ■ | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67-FS | GAM24-67-FS | GAS24-225 | GAMS24-225 |
| CG05-2-004 | 0.5 | 15 | 0.4 | 0.3 | 1389 | 1505 | - | - |
| CG05-2-006 | 0.5 | 15 | 0.63 | 0.5 | 1389 | 1505 | - | - |
| CG05-2-01 | 0.5 | 15 | 1 | 0.9 | 1389 | 1505 | - | - |
| CG05-2-02 | 0.5 | 15 | 1.6 | 1.4 | 1389 | 1505 | - | - |
| CG05-2-03 | 0.5 | 15 | 2.5 | 2.2 | 1389 | 1505 | - | - |
| CG05-2-04 | 0.5 | 15 | 4 | 3.5 | 1389 | 1505 | - | - |
| CG75-2-07 | .75 | 20 | 6.3 | 5.4 | 1430 | 1546 | - | - |
| CG1-2-10 | 1.0 | 25 | 10 | 8.7 | 1535 | 1651 | - | - |
| DG125-2-16 | 1.25 | 32 | 16 | 13.8 | - | - | 1994 | 2120 |
| DG150-2-25 | 1.50 | 40 | 25 | 21.6 | - | - | 2146 | 2272 |
| DG2-2-40 | 2.0 | 50 | 40 | 34.6 | - | - | 2490 | 2616 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

Options/Adders

For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.

*For normally closed, add a "C" to the end of the valve part number, i.e. DG2-2-40C, otherwise normally open. Spring return models only.



DG Threaded High Close-Off Globe Valves - 2-Way Standard Trim with Electric Actuators

PRICING - DG Threaded High Close-Off Globe Valves - Standard Trim - 2-Way

| 2-Way Valves, Non Spring Return Actuators | | | | | | | |
|---|------------|----|------------------|-------|-----------------|-----------------|---|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | |
| Direct Mount | | | | ■ | ■ | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-225 | GA24-640-7 | GAM24-225 |
| DG05-2-01 | 0.5 | 15 | 1 | 0.9 | 1466 | - | 1597 |
| DG05-2-02 | 0.5 | 15 | 1.6 | 1.4 | 1466 | - | 1597 |
| DG05-2-03 | 0.5 | 15 | 2.5 | 2.2 | 1466 | - | 1597 |
| DG05-2-04 | 0.5 | 15 | 4 | 3.5 | 1466 | - | 1597 |
| DG75-2-07 | .75 | 20 | 6.3 | 5.4 | 1519 | - | 1650 |
| DG1-2-10 | 1.0 | 25 | 10 | 8.7 | 1663 | - | 1794 |
| DG125-2-16 | 1.25 | 32 | 16 | 13.8 | - | 5424 | Use standard Closeoff or High Closeoff SR |
| DG150-2-25 | 1.50 | 40 | 25 | 21.6 | - | 5577 | Use standard Closeoff or High Closeoff SR |
| DG2-2-40 | 2.0 | 50 | 40 | 34.6 | - | 5920 | Use standard Closeoff or High Closeoff SR |
| Adder -A | | | | | 869 | 869 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 |

| 2-Way Valves, Spring Return Actuators | | | | | | | | |
|---------------------------------------|------------|----|------------------|-------|-----------------|-----------------|-------------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | |
| Direct Mount | | | | ■ | ■ | ■ | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GAS24-225 | GAS24-640-7 | GAMS24-225 | VAL-SRS07P |
| DG05-2-01 | 0.5 | 15 | 1 | 0.9 | 1885 | - | 2012 | - |
| DG05-2-02 | 0.5 | 15 | 1.6 | 1.4 | 1885 | - | 2012 | - |
| DG05-2-03 | 0.5 | 15 | 2.5 | 2.2 | 1885 | - | 2012 | - |
| DG05-2-04 | 0.5 | 15 | 4 | 3.5 | 1885 | - | 2012 | - |
| DG75-2-07 | .75 | 20 | 6.3 | 5.4 | 1939 | - | 2064 | - |
| DG1-2-10 | 1.0 | 25 | 10 | 8.7 | 2083 | - | 2208 | - |
| DG125-2-16 | 1.25 | 32 | 16 | 13.8 | - | 6351 | - | 4509 |
| DG150-2-25 | 1.50 | 40 | 25 | 21.6 | - | 6502 | - | 4661 |
| DG2-2-40 | 2.0 | 50 | 40 | 34.6 | - | 6847 | - | 5005 |
| Adder -A | | | | | 869 | 869 | 433 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 | 1153 |

Options/Adders
 For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.
 *For normally closed, add a "C" to the end of the valve part number, i.e. DG2-2-40C, otherwise normally open. Spring return models only.



CG/DG Threaded Globe Valves - 2-Way Stainless Steel Trim with Electric Actuators

| 2-Way Valves, Non Fail Safe or Non Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | | | | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | | |
| Direct Mount | | | ■ | ■ | ■ | ■ | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67 | GAM24-67 | GA24-225 | GAM24-225 |
| CG05-2-004SS | 0.5 | 15 | 0.4 | 0.3 | 1588 | 1738 | - | - |
| CG05-2-006SS | 0.5 | 15 | 0.63 | 0.5 | 1588 | 1738 | - | - |
| CG05-2-01SS | 0.5 | 15 | 1 | 0.9 | 1588 | 1738 | - | - |
| CG05-2-02SS | 0.5 | 15 | 1.6 | 1.4 | 1588 | 1738 | - | - |
| CG05-2-03SS | 0.5 | 15 | 2.5 | 2.2 | 1588 | 1738 | - | - |
| CG05-2-04SS | 0.5 | 15 | 4 | 3.5 | 1588 | 1738 | - | - |
| CG75-2-07SS | .75 | 20 | 6.3 | 5.4 | 1758 | 1908 | - | - |
| CG1-2-10SS | 1.0 | 25 | 10 | 8.7 | 2013 | 2163 | - | - |
| DG125-2-16SS | 1.25 | 32 | 16 | 13.8 | - | - | 2702 | 2834 |
| DG150-2-25SS | 1.50 | 40 | 25 | 21.6 | - | - | 3204 | 3336 |
| DG2-2-40SS | 2.0 | 50 | 40 | 34.6 | - | - | 3600 | 3732 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

| 2-Way Valves, Fail Safe or Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | | | | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | | |
| Direct Mount | | | ■ | ■ | ■ | ■ | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67-FS | GAM24-67-FS | GAS24-225 | GAMS24-225 |
| CG05-2-004SS | 0.5 | 15 | 0.4 | 0.3 | 1829 | 1945 | - | - |
| CG05-2-006SS | 0.5 | 15 | 0.63 | 0.5 | 1829 | 1945 | - | - |
| CG05-2-01SS | 0.5 | 15 | 1 | 0.9 | 1829 | 1945 | - | - |
| CG05-2-02SS | 0.5 | 15 | 1.6 | 1.4 | 1829 | 1945 | - | - |
| CG05-2-03SS | 0.5 | 15 | 2.5 | 2.2 | 1829 | 1945 | - | - |
| CG05-2-04SS | 0.5 | 15 | 4 | 3.5 | 1829 | 1945 | - | - |
| CG75-2-07SS | .75 | 20 | 6.3 | 5.4 | 1999 | 2115 | - | - |
| CG1-2-10SS | 1.0 | 25 | 10 | 8.7 | 2254 | 2370 | - | - |
| DG125-2-16SS | 1.25 | 32 | 16 | 13.8 | - | - | 3122 | 3248 |
| DG150-2-25SS | 1.50 | 40 | 25 | 21.6 | - | - | 3624 | 3750 |
| DG2-2-40SS | 2.0 | 50 | 40 | 34.6 | - | - | 4020 | 4146 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

Options/Adders

For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.
 *For normally closed, add a "C" to the end of the valve part number, i.e. DG2-2-40C, otherwise normally open. Spring return models only.



DG Threaded High Close-Off Globe Valves - 2-Way Stainless Steel Trim with Electric Actuators

PRICING - DG Threaded High Close-Off Globe Valves - Stainless Steel Trim - 2-Way

| 2-Way Valves, Non Spring Return Actuators | | | | | | | |
|---|------------|----|------------------|-------|-----------------|-----------------|---|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | |
| Direct Mount | | | | ■ | ■ | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-225 | GA24-640-7 | GAM24-225 |
| DG05-2-01SS | 0.5 | 15 | 1 | 0.9 | 2064 | - | 2195 |
| DG05-2-02SS | 0.5 | 15 | 1.6 | 1.4 | 2064 | - | 2195 |
| DG05-2-03SS | 0.5 | 15 | 2.5 | 2.2 | 2064 | - | 2195 |
| DG05-2-04SS | 0.5 | 15 | 4 | 3.5 | 2064 | - | 2195 |
| DG75-2-07SS | .75 | 20 | 6.3 | 5.4 | 2147 | - | 2278 |
| DG1-2-10SS | 1.0 | 25 | 10 | 8.7 | 2220 | - | 2351 |
| DG125-2-16SS | 1.25 | 32 | 16 | 13.8 | - | 6552 | Use standard Closeoff or High Closeoff SR |
| DG150-2-25SS | 1.50 | 40 | 25 | 21.6 | - | 7055 | Use standard Closeoff or High Closeoff SR |
| DG2-2-40SS | 2.0 | 50 | 40 | 34.6 | - | 7452 | Use standard Closeoff or High Closeoff SR |
| Adder -A | | | | | 869 | 869 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 |

| 2-Way Valves, Spring Return Actuators | | | | | | | |
|---------------------------------------|------------|----|------------------|-------|-----------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | ■ |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N |
| Direct Mount | | | | ■ | ■ | ■ | ■ |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GAS24-225 | GAS24-640-7 | GAMS24-225 |
| DG05-2-01SS | 0.5 | 15 | 1 | 0.9 | 2483 | - | 2610 |
| DG05-2-02SS | 0.5 | 15 | 1.6 | 1.4 | 2483 | - | 2610 |
| DG05-2-03SS | 0.5 | 15 | 2.5 | 2.2 | 2483 | - | 2610 |
| DG05-2-04SS | 0.5 | 15 | 4 | 3.5 | 2483 | - | 2610 |
| DG75-2-07SS | .75 | 20 | 6.3 | 5.4 | 2567 | - | 2692 |
| DG1-2-10SS | 1.0 | 25 | 10 | 8.7 | 2640 | - | 2765 |
| DG125-2-16SS | 1.25 | 32 | 16 | 13.8 | - | 7478 | 5637 |
| DG150-2-25SS | 1.50 | 40 | 25 | 21.6 | - | 7981 | 6140 |
| DG2-2-40SS | 2.0 | 50 | 40 | 34.6 | - | 8377 | 6536 |
| Adder -A | | | | | 869 | 869 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 |

Options/Adders
 For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.
 *For normally closed, add a "C" to the end of the valve part number, i.e. DG2-2-40C, otherwise normally open. Spring return models only.



CG/DG Threaded Globe Valves - 3-Way Standard Trim with Electric Actuators

| 3-Way Valves, Non Fail Safe or Non Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | ■ | ■ | | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | | |
| Direct Mount | | | ■ | ■ | ■ | ■ | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67 | GAM24-67 | GA24-225 | GAM24-225 |
| CG05-3-004 | 0.5 | 15 | 0.4 | 0.3 | 1246 | 1396 | - | - |
| CG05-3-006 | 0.5 | 15 | 0.63 | 0.5 | 1246 | 1396 | - | - |
| CG05-3-01 | 0.5 | 15 | 1 | 0.9 | 1246 | 1396 | - | - |
| CG05-3-02 | 0.5 | 15 | 1.6 | 1.4 | 1246 | 1396 | - | - |
| CG05-3-03 | 0.5 | 15 | 2.5 | 2.2 | 1246 | 1396 | - | - |
| CG05-3-04 | 0.5 | 15 | 4 | 3.5 | 1246 | 1396 | - | - |
| CG75-3-07 | .75 | 20 | 6.3 | 5.4 | 1275 | 1425 | - | - |
| CG1-3-10 | 1.0 | 25 | 10 | 8.7 | 1378 | 1528 | - | - |
| DG125-3-16 | 1.25 | 32 | 16 | 13.8 | - | - | 1691 | 1823 |
| DG150-3-25 | 1.50 | 40 | 25 | 21.6 | - | - | 2305 | 2437 |
| DG2-3-40 | 2.0 | 50 | 40 | 34.6 | - | - | 2559 | 2691 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

| 3-Way Valves, Fail Safe or Spring Return Actuators | | | | | | | | |
|--|------------|----|------------------|-------|-----------------|----------------------|-----------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | | ■ | ■ | | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | | |
| Direct Mount | | | ■ | ■ | ■ | ■ | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC/DC Modulating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-67-FS | GAM24-67-FS | GAS24-225 | GAMS24-225 |
| CG05-3-004 | 0.5 | 15 | 0.4 | 0.3 | 1487 | 1603 | - | - |
| CG05-3-006 | 0.5 | 15 | 0.63 | 0.5 | 1487 | 1603 | - | - |
| CG05-3-01 | 0.5 | 15 | 1 | 0.9 | 1487 | 1603 | - | - |
| CG05-3-02 | 0.5 | 15 | 1.6 | 1.4 | 1487 | 1603 | - | - |
| CG05-3-03 | 0.5 | 15 | 2.5 | 2.2 | 1487 | 1603 | - | - |
| CG05-3-04 | 0.5 | 15 | 4 | 3.5 | 1487 | 1603 | - | - |
| CG75-3-07 | .75 | 20 | 6.3 | 5.4 | 1516 | 1632 | - | - |
| CG1-3-10 | 1.0 | 25 | 10 | 8.7 | 1619 | 1735 | - | - |
| DG125-3-16 | 1.25 | 32 | 16 | 13.8 | - | - | 2111 | 2237 |
| DG150-3-25 | 1.50 | 40 | 25 | 21.6 | - | - | 2725 | 2851 |
| DG2-3-40 | 2.0 | 50 | 40 | 34.6 | - | - | 2979 | 3105 |
| Adder -A | | | | | - | - | 869 | 433 |
| Adder -H | | | | | - | - | 1153 | 1153 |

Options/Adders

For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number. Only available for GA 225's.
 *For normally closed, add a "C" to the end of the valve part number, i.e. DG2-3-40C, otherwise normally open. Spring Return models only.



DG Threaded High Close-Off Globe Valves - 3-Way Standard Trim with Electric Actuators

PRICING - DG Threaded High Close-Off Globe Valves - Standard Trim - 3-Way

| 3-Way Valves, Non Spring Return Actuators | | | | | | | |
|---|------------|----|------------------|------|-----------------|-----------------|---|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | | ■ | ■ | ■ | ■ | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | | 1/2 N | | 1/2 N |
| Direct Mount | | | ■ | ■ | ■ | | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-225 | GA24-640-7 | GAM24-225 |
| DG05-3-01 | 0.5 | 15 | 1 | 0.9 | 1706 | - | 1839 |
| DG05-3-02 | 0.5 | 15 | 1.6 | 1.4 | 1706 | - | 1839 |
| DG05-3-03 | 0.5 | 15 | 2.5 | 2.2 | 1706 | - | 1839 |
| DG05-3-04 | 0.5 | 15 | 4 | 3.5 | 1706 | - | 1839 |
| DG75-3-07 | .75 | 20 | 6.3 | 5.4 | 1743 | - | 1874 |
| DG1-3-10 | 1.0 | 25 | 10 | 8.7 | 1907 | - | 2038 |
| DG125-3-16 | 1.25 | 32 | 16 | 13.8 | - | 5541 | Use standard Closeoff or High Closeoff SR |
| DG150-3-25 | 1.50 | 40 | 25 | 21.6 | - | 6154 | Use standard Closeoff or High Closeoff SR |
| DG2-3-40 | 2.0 | 50 | 40 | 34.6 | - | 6409 | Use standard Closeoff or High Closeoff SR |
| Adder -A | | | | | 869 | 869 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 |

| 3-Way Valves, Spring Return Actuators | | | | | | | | |
|---------------------------------------|------------|----|------------------|------|-----------------|-----------------|-------------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | ■ | ■ | ■ | ■ | | |
| Conduit Size - Flex (F)/NPT (N) | | | 1/2 N | | 1/2 N | | 1/2 N | |
| Direct Mount | | | ■ | ■ | ■ | | ■ | |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GAS24-225 | GAS24-640-7 | GAMS24-225 | VAL-SRS07P |
| DG05-3-01 | 0.5 | 15 | 1 | 0.9 | 2127 | - | 2253 | - |
| DG05-3-02 | 0.5 | 15 | 1.6 | 1.4 | 2127 | - | 2253 | - |
| DG05-3-03 | 0.5 | 15 | 2.5 | 2.2 | 2127 | - | 2253 | - |
| DG05-3-04 | 0.5 | 15 | 4 | 3.5 | 2127 | - | 2253 | - |
| DG75-3-07 | .75 | 20 | 6.3 | 5.4 | 2162 | - | 2288 | - |
| DG1-3-10 | 1.0 | 25 | 10 | 8.7 | 2327 | - | 2452 | - |
| DG125-3-16 | 1.25 | 32 | 16 | 13.8 | - | 6467 | - | 4626 |
| DG150-3-25 | 1.50 | 40 | 25 | 21.6 | - | 7081 | - | 5239 |
| DG2-3-40 | 2.0 | 50 | 40 | 34.6 | - | 7336 | - | 5494 |
| Adder -A | | | | | 869 | 869 | 433 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 | 1153 |

Options/Adders

For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.

*For normally closed, add a "C" to the end of the valve part number, i.e. DG2-3-40C, otherwise normally open. Spring Return models only.



| 2-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--------------------------|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Non-Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-2-63 | 2.5 | 65 | 63 | 54 | GA24-562 | 3976 | 390 | 806 |
| DG3-2-100 | 3 | 80 | 100 | 85 | | 4431 | | |
| DG4-2-160 | 4 | 100 | 160 | 137 | | 5839 | | |
| DG5-2-250 | 5 | 125 | 250 | 214 | | 7730 | | |
| DG6-2-400 | 6 | 150 | 400 | 340 | | 8885 | | |

| 2-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--------------------------------------|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-2-63 | 2.5 | 65 | 63 | 54 | GASRE24-450 Normally Retracted | 4651 | 390 | 806 |
| DG3-2-100 | 3 | 80 | 100 | 85 | | 5106 | | |
| DG4-2-160 | 4 | 100 | 160 | 137 | | 6514 | | |
| DG5-2-250 | 5 | 125 | 250 | 214 | | 8405 | | |
| DG6-2-400 | 6 | 150 | 400 | 340 | | 9560 | | |

| 2-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Closed Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-2-63C | 2.5 | 65 | 63 | 54 | GASEX24-450 Normally Extended | 4651 | 390 | 806 |
| DG3-2-100C | 3 | 80 | 100 | 85 | | 5106 | | |
| DG4-2-160C | 4 | 100 | 160 | 137 | | 6514 | | |
| DG5-2-250C | 5 | 125 | 250 | 214 | | 8405 | | |
| DG6-2-400C | 6 | 150 | 400 | 340 | | 9560 | | |

Options/Adders
 For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed for GA Series actuators only.

| 2-Way, High Close-Off, Modulating Actuators | | | | | | | |
|---|------------|-----|------------------|-----|--------------------------------------|-------|--|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | | |
| | In. | mm | Cv | Kv | Model | Price | |
| DG250-2-63 | 2.5 | 65 | 63 | 54 | VAL-SRS07P | 5378 | |
| DG3-2-100 | 3 | 80 | 100 | 85 | | 5833 | |
| DG4-2-160 | 4 | 100 | 160 | 137 | VAL-SRS15P | 7984 | |
| DG5-2-250 | 5 | 125 | 250 | 214 | | 9875 | |
| DG6-2-400 | 6 | 150 | 400 | 340 | | 11030 | |

Valve is shipped ports NO to C Open (see Technical Brochure Page DG3)

Options/Adders
 *VAL Series actuators fails Retracted



DG Flanged Globe Valves - 3-Way Standard Trim with Industrial Electric Actuators

| 3-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--------------------------|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Non-Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-3-63 | 2.5 | 65 | 63 | 54 | GA24-562 | 4399 | 390 | 806 |
| DG3-3-100 | 3 | 80 | 100 | 85 | | 5292 | | |
| DG4-3-160 | 4 | 100 | 160 | 137 | | 9006 | | |
| DG5-3-250 | 5 | 125 | 250 | 214 | | 13022 | | |
| DG6-3-400 | 6 | 150 | 400 | 340 | | 15583 | | |

Valve is shipped ports NO to C Open (see Technical Brochure Page DG3)

| 3-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--------------------------------------|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-3-63 | 2.5 | 65 | 63 | 54 | GASRE24-450 Normally Retracted | 5074 | 390 | 806 |
| DG3-3-100 | 3 | 80 | 100 | 85 | | 5967 | | |
| DG4-3-160 | 4 | 100 | 160 | 137 | | 10155 | | |
| DG5-3-250 | 5 | 125 | 250 | 214 | | 13697 | | |
| DG6-3-400 | 6 | 150 | 400 | 340 | | 16258 | | |

Valve is shipped ports NO to C Open (see Technical Brochure Page DG3)

| 3-Way, On/Off, Floating or Modulating Actuators | | | | | | | | |
|---|------------|-----|------------------|-----|--|----------|-----------|-----|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Closed Spring Return | -A Adder | -WS Adder | |
| | In. | mm | Cv | Kv | Model | Price | | |
| DG250-3-63C | 2.5 | 65 | 63 | 54 | GASEX24-450 Normally Extended | 5074 | 390 | 806 |
| DG3-3-100C | 3 | 80 | 100 | 85 | | 5967 | | |
| DG4-3-160C | 4 | 100 | 160 | 137 | | 10155 | | |
| DG5-3-250C | 5 | 125 | 250 | 214 | | 13697 | | |
| DG6-3-400C | 6 | 150 | 400 | 340 | | 16258 | | |

Valve is shipped ports NC to C Open (see Technical Brochure Page DG3)

Options/Adders
 For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed for GA Series actuators only.
 *For normally closed, add a "C" to the end of the valve part number, i.e. DG250-3-63C, otherwise normally open. Spring return models only.

| 3-Way, High Close-Off, Modulating Actuators | | | | | | |
|---|------------|-----|------------------|-----|--------------------------------------|-------|
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | |
| | In. | mm | Cv | Kv | Model | Price |
| DG250-3-63 | 2.5 | 65 | 63 | 54 | VAL-SRS07P | 5801 |
| DG3-3-100 | 3 | 80 | 100 | 85 | | 6694 |
| DG4-3-160 | 4 | 100 | 160 | 137 | | 11625 |
| DG5-3-250 | 5 | 125 | 250 | 214 | VAL-SRS15P | 15167 |
| DG6-3-400 | 6 | 150 | 400 | 340 | | 17728 |

Valve is shipped ports NO to C Open (see Technical Brochure Page DG3)

Options/Adders
 *VAL Series actuators fails Retracted



2-Way, On/Off, Floating or Modulating Actuators

| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Non-Spring Return | -A Adder | -WS Adder | -HT Adder | | |
|--------------|------------|-----|------------------|-----|--------------------------|----------|-----------|-----------|-----|-------|
| | In. | mm | Cv | Kv | Model | Price | | | | |
| DG250-2-63SS | 2.5 | 65 | 63 | 54 | GA24-562 | 6299 | 390 | 806 | 246 | |
| DG3-2-100SS | 3 | 80 | 100 | 85 | | | | | | 6686 |
| DG4-2-160SS | 4 | 100 | 160 | 137 | | | | | | 8095 |
| DG5-2-250SS | 5 | 125 | 250 | 214 | | | | | | 10075 |
| DG6-2-400SS | 6 | 150 | 400 | 340 | | | | | | 11560 |

2-Way, On/Off, Floating or Modulating Actuators

| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | -A Adder | -WS Adder | -HT Adder | | |
|--------------|------------|-----|------------------|-----|--------------------------------------|----------|-----------|-----------|-----|-------|
| | In. | mm | Cv | Kv | Model | Price | | | | |
| DG250-2-63SS | 2.5 | 65 | 63 | 54 | GASRE24-450 Normally Retracted | 6974 | 390 | 806 | 246 | |
| DG3-2-100SS | 3 | 80 | 100 | 85 | | | | | | 7361 |
| DG4-2-160SS | 4 | 100 | 160 | 137 | | | | | | 8770 |
| DG5-2-250SS | 5 | 125 | 250 | 214 | | | | | | 10750 |
| DG6-2-400SS | 6 | 150 | 400 | 340 | | | | | | 12235 |

2-Way, On/Off, Floating or Modulating Actuators

| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Closed Spring Return | -A Adder | -WS Adder | -HT Adder | | |
|---------------|------------|-----|------------------|-----|--|----------|-----------|-----------|-----|-------|
| | In. | mm | Cv | Kv | Model | Price | | | | |
| DG250-2-63SSC | 2.5 | 65 | 63 | 54 | GASEX24-450 Normally Extended | 6974 | 390 | 806 | 246 | |
| DG3-2-100SSC | 3 | 80 | 100 | 85 | | | | | | 7361 |
| DG4-2-160SSC | 4 | 100 | 160 | 137 | | | | | | 8770 |
| DG5-2-250SSC | 5 | 125 | 250 | 214 | | | | | | 10750 |
| DG6-2-400SSC | 6 | 150 | 400 | 340 | | | | | | 12235 |

C=Normally Closed

Options/Addrs

For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
For optional high temperature kit (media temperatures 266°F to 464°F) on the GA actuator, add -HT to the end of the actuator part number.
Add a -WS at the end of the part # if a weather cover is needed for GA Series actuators only.

2-Way, High Close-Off, Modulating Actuators

| Model Number | Valve Size | | Flow Coefficient | | 24 VAC - Normally Open Spring Return | |
|--------------|------------|-----|------------------|-----|--------------------------------------|-------|
| | In. | mm | Cv | Kv | Model | Price |
| DG250-2-63SS | 2.5 | 65 | 63 | 54 | VAL-SRS07P | 7701 |
| DG3-2-100SS | 3 | 80 | 100 | 85 | | 8088 |
| DG4-2-160SS | 4 | 100 | 160 | 137 | VAL-SRS15P | 10240 |
| DG5-2-250SS | 5 | 125 | 250 | 214 | | 12220 |
| DG6-2-400SS | 6 | 150 | 400 | 340 | | 13705 |

Options/Addrs

Valve is shipped ports NO to C Open (see Technical Brochure Page DG3)
*VAL Series actuators fails Retracted

| 2-Way Valves, Non Spring Return Actuators | | | | | | | |
|---|------------|-----|------------------|-------|-----------------|-----------------|---|
| Actuator Model Details | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | ■ |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N |
| Direct Mount | | | | ■ | ■ | ■ | ■ |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GA24-225 | GA24-640-15 | GAM24-225 |
| DG250H-2-63 | 2.5 | 65 | 63 | 54.5 | 7897 | - | 8028 |
| DG3H-2-100 | 3 | 80 | 100 | 86.5 | 8735 | - | 8867 |
| DG4H-2-160 | 4 | 100 | 160 | 138.4 | - | 16187 | Use standard Closeoff or High Closeoff SR |
| DG5H-2-250 | 5 | 125 | 250 | 216.3 | - | 18495 | Use standard Closeoff or High Closeoff SR |
| DG6H-2-400 | 6 | 150 | 400 | 346.0 | - | 21563 | Use standard Closeoff or High Closeoff SR |
| Adder -A | | | | | 869 | 869 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 |

| 2-Way Valves, Spring Return Actuators | | | | | | | | |
|---------------------------------------|------------|-----|------------------|-------|-----------------|-----------------|-------------------|-------------------|
| Actuator Model Details | | | | | | | | |
| Auxiliary Switches Available | | | | ■ | ■ | ■ | ■ | ■ |
| Conduit Size - Flex (F)/NPT (N) | | | | 1/2 N | 1/2 N | 1/2 N | 1/2 N | 1/2 N |
| Direct Mount | | | | ■ | ■ | ■ | ■ | ■ |
| Model Number | Valve Size | | Flow Coefficient | | 24 VAC Floating | 24 VAC Floating | 24 VAC Modulating | 24 VAC Modulating |
| | In. | mm | Cv | Kv | GAS24-225 | GAS24-640-15 | GAMS24-225 | VAL-SRS15P |
| DG250H-2-63 | 2.5 | 65 | 63 | 54.5 | 8316 | - | 8442 | - |
| DG3H-2-100 | 3 | 80 | 100 | 86.5 | 9155 | - | 9282 | - |
| DG4H-2-160 | 4 | 100 | 160 | 138.4 | - | 17835 | - | 14802 |
| DG5H-2-250 | 5 | 125 | 250 | 216.3 | - | 20142 | - | 17109 |
| DG6H-2-400 | 6 | 150 | 400 | 346.0 | - | 23211 | - | 20178 |
| Adder -A | | | | | 869 | 869 | 433 | 433 |
| Adder -H | | | | | 1153 | 1153 | 1153 | 1153 |

Options/Adders
 For Optional auxiliary switches add -A or -H for stem heater to the end of the actuator part number.
 For normally closed, add a "C" to the end of the valve part number, i.e. DG250H-2-63C, otherwise normally open. Spring return models only.
 VAL Series actuators fails Retracted



3L Series Butterfly Valves 2-Way with NSR/SR DC-Series Commercial Electric Actuators

Nylon Coated Disc

| 2-Way, On/Off & Floating - Nylon Coated Disc | | | | | | Non-Spring Return | | Spring Return | | | |
|--|------|-----|---------------|------|-----|-------------------|--------------|---------------|-------------|------------|--------------|
| Actuator Model Details | | | | | | DC24-310-T | DC24-310-T-D | DCS24-140 | DCS24-140-D | DCS120-140 | DCS120-140-D |
| Model Number | Size | | Close-Off psi | Cv | | Floating | | On/Off | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | | 120 VAC | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 1322 | - | 1416 | - | 1458 | - |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1361 | - | 1455 | - | 1497 | - |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | 1378 | - | - | 2034 | - | 2096 |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | 1495 | - | 1589 | - | 1631 | - |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | 1495 | - | - | 2416 | - | 2490 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | 1793 | - | - | 2666 | - | 2728 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 2528 | - | - | - | - |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2774 | - | - | - | - |
| Adder -A | | | | | | 156 | 156 | 160 | 160 | 160 | 160 |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | | | |

| 2-Way, Modulating - Nylon Coated Disc | | | | | | Non-Spring Return | | Spring Return | |
|---------------------------------------|------|-----|---------------|------|-----|-------------------|-------------|---------------|--------------|
| Actuator Model Details | | | | | | DCM24-310 | DCM24-310-D | DCMS24-140 | DCMS24-140-D |
| Model Number | Size | | Close-Off psi | Cv | | Modulating | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 1417 | - | 1612 | - |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1456 | - | 1651 | - |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | 1473 | - | - | 2327 |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | 1590 | - | 1785 | - |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | 1590 | - | - | 2767 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | 1872 | - | - | 2959 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 2668 | - | - |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2914 | - | - |
| Adder -A | | | | | | 156 | 155 | 160 | 161 |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | |

Stainless Steel Disc

| 2-Way, On/Off & Floating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | | | |
|---|------|-----|---------------|------|-----|-------------------|--------------|---------------|-------------|------------|--------------|
| Actuator Model Details | | | | | | DC24-310-T | DC24-310-T-D | DCS24-140 | DCS24-140-D | DCS120-140 | DCS120-140-D |
| Model Number | Size | | Close-Off psi | Cv | | Floating | | On/Off | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | | 120 VAC | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 1329 | - | 1423 | - | 1465 | - |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1369 | - | 1463 | - | 1505 | - |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | 1385 | - | - | 2041 | - | 2103 |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | 1521 | - | - | 2039 | - | 2101 |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | 1521 | - | - | 2039 | - | 2101 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | 2217 | - | - | 2749 | - | 2811 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 2611 | - | - | - | - |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2855 | - | - | - | - |
| Adder -A | | | | | | 156 | 156 | 160 | 160 | 160 | 160 |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | | | |

| 2-Way, Modulating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | |
|--|------|-----|---------------|------|-----|-------------------|-------------|---------------|--------------|
| Actuator Model Details | | | | | | DCM24-310 | DCM24-310-D | DCMS24-140 | DCMS24-140-D |
| Model Number | Size | | Close-Off psi | Cv | | Modulating | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 1424 | - | 1619 | - |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1464 | - | 1659 | - |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | 1480 | - | - | 2334 |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | 1616 | - | - | 2332 |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | 1616 | - | - | 2332 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | 2312 | - | - | 3042 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 2751 | - | - |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2995 | - | - |
| Adder -A | | | | | | 156 | 155 | 160 | 161 |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed.
 For Spring Return Units:
 N = Normally Open
 C = Normally Closed - Factory default
 -D = Dual mounted actuators



3L Series Butterfly Valves 3-Way with NSR/SR DC-Series Commercial Electric Actuators

Nylon Coated Disc

| 3-Way, On/Off or Floating - Nylon Coated Disc | | | | | | Non-Spring Return | | Spring Return | | | | |
|---|--|-----|-----|-----|------|---------------------|--------------|---------------|------------------|------------|--------------|----------|
| Actuator Model Details | | | | | | DC24-310-T | DC24-310-T-D | DCS24-140 | DCS24-140-D | DCS120-140 | DCS120-140-D | |
| | | | | | | Valve Model Details | | Size | Close-Off psi | Cv | | Floating |
| | | In. | mm | 90° | 60° | 24 VAC | | 24 VAC/DC | | 120 VAC | | |
| 3LNE-02S3X | | 2 | 50 | 175 | 87 | 66 | 2592 | - | 2686 | - | 2728 | - |
| 3LNE-25S3X | | 2.5 | 65 | 175 | 185 | 98 | 2874 | - | - | 3366 | - | 3428 |
| 3LNE-03S3X | | 3 | 80 | 175 | 360 | 171 | 3032 | - | - | 3524 | - | 3586 |
| 3LNE-04L3X | | 4 | 100 | 50 | 740 | 310 | 4245 | - | - | 4737 | - | 4799 |
| 3LNE-04S3X | | 4 | 100 | 175 | 740 | 310 | - | 4599 | - | - | - | - |
| 3LNE-05L3X | | 5 | 125 | 50 | 1218 | 470 | 4990 | - | - | 5801 | - | 5863 |
| 3LNE-06L3X | | 6 | 150 | 50 | 1900 | 757 | - | 5984 | - | - | - | - |
| Adder -A | | | | | | 156 | 156 | 160 | 160 | 160 | 160 | 160 |
| Adder -WS | | | | | | 512 | 652 | Contact Bray | | | | |

Stainless Steel Disc

| 3-Way, Modulating - Nylon Coated Disc | | | | | | Non-Spring Return | | Spring Return | | |
|---------------------------------------|--|-----|-----|-----|------|---------------------|-------------|---------------|------------------|------|
| Actuator Model Details | | | | | | DCM24-310 | DCM24-310-D | DCMS24-140 | DCMS24-140-D | |
| | | | | | | Valve Model Details | | Size | Close-Off psi | Cv |
| | | In. | mm | 90° | 60° | 24 VAC | | 24 VAC/DC | | |
| 3LNE-02S3X | | 2 | 50 | 175 | 87 | 66 | 2687 | - | 2882 | - |
| 3LNE-25S3X | | 2.5 | 65 | 175 | 185 | 98 | 2969 | - | - | 3659 |
| 3LNE-03S3X | | 3 | 80 | 175 | 360 | 171 | 3127 | - | - | 3817 |
| 3LNE-04L3X | | 4 | 100 | 50 | 740 | 310 | 4340 | - | - | 5030 |
| 3LNE-04S3X | | 4 | 100 | 175 | 740 | 310 | - | 4739 | - | - |
| 3LNE-05L3X | | 5 | 125 | 50 | 1218 | 470 | 5080 | - | - | 6094 |
| 3LNE-06L3X | | 6 | 150 | 50 | 1900 | 757 | - | 6116 | - | - |
| Adder -A | | | | | | 156 | 155 | 160 | 161 | |
| Adder -WS | | | | | | 512 | 652 | Contact Bray | | |

| 3-Way, On/Off or Floating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | | | | |
|--|--|-----|-----|-----|------|---------------------|--------------|---------------|------------------|------------|--------------|----------|
| Actuator Model Details | | | | | | DC24-310-T | DC24-310-T-D | DCS24-140 | DCS24-140-D | DCS120-140 | DCS120-140-D | |
| | | | | | | Valve Model Details | | Size | Close-Off psi | Cv | | Floating |
| | | In. | mm | 90° | 60° | 24 VAC | | 24 VAC/DC | | 120 VAC | | |
| 3LSE-02S3X | | 2 | 50 | 175 | 87 | 66 | 2718 | - | 2700 | - | 2742 | - |
| 3LSE-25S3X | | 2.5 | 65 | 175 | 185 | 98 | 2890 | - | - | 3382 | - | 3444 |
| 3LSE-03S3X | | 3 | 80 | 175 | 360 | 171 | 3046 | - | - | 3538 | - | 3600 |
| 3LSE-04L3X | | 4 | 100 | 50 | 740 | 310 | 4297 | - | - | 4789 | - | 4851 |
| 3LSE-04S3X | | 4 | 100 | 175 | 740 | 310 | - | 4651 | - | - | - | - |
| 3LSE-05L3X | | 5 | 125 | 50 | 1218 | 470 | - | 5829 | - | 5967 | - | 6029 |
| 3LSE-06L3X | | 6 | 150 | 50 | 1900 | 757 | - | 6528 | - | - | - | - |
| Adder -A | | | | | | 156 | 156 | 160 | 160 | 160 | 160 | |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | | | | |

| 3-Way, Modulating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | | |
|--|--|-----|-----|-----|------|---------------------|-------------|---------------|------------------|------|
| Actuator Model Details | | | | | | DCM24-310- | DCM24-310-D | DCMS24-140 | DCMS24-140-D | |
| | | | | | | Valve Model Details | | Size | Close-Off psi | Cv |
| | | In. | mm | 90° | 60° | 24 VAC | | 24 VAC/DC | | |
| 3LSE-02S3X | | 2 | 50 | 175 | 87 | 66 | 2701 | - | 2896 | - |
| 3LSE-25S3X | | 2.5 | 65 | 175 | 185 | 98 | 2985 | - | - | 3675 |
| 3LSE-03S3X | | 3 | 80 | 175 | 360 | 171 | 3141 | - | - | 3831 |
| 3LSE-04L3X | | 4 | 100 | 50 | 740 | 310 | 4392 | - | - | 5082 |
| 3LSE-04S3X | | 4 | 100 | 175 | 740 | 310 | - | 4791 | - | - |
| 3LSE-05L3X | | 5 | 125 | 50 | 1218 | 470 | - | 5969 | - | 6260 |
| 3LSE-06L3X | | 6 | 150 | 50 | 1900 | 757 | - | 6668 | - | - |
| Adder -A | | | | | | 156 | 155 | 160 | 161 | |
| Adder -WS | | | | | | 512 | 694 | Contact Bray | | |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed.
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 -D = Dual mounted actuators



3L Series Butterfly Valves 2-Way with NSR/SR D-Series Commercial Electric Actuators

Nylon Coated Disc

| 2-Way, On/Off or Floating - Nylon Coated Disc | | | | | | Non-Spring Return | | | Spring Return | |
|---|------|-----|---------------|------|-----|-------------------|---------|-----------|---------------|------------|
| Actuator Model Details | | | | | | D24-140 | D24-210 | D24-210-D | DS24-180 | DS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off & Floating | | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | | 24 VAC/DC | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 1069 | - | - | 1520 | - |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1108 | - | - | 1559 | - |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | - | 1310 | - | 1576 | - |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1427 | - | 1857 | - |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | - | - | 1929 | - | 2535 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | - | 2066 | - | 3050 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | - | 2582 | - | - |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | - | 2828 | - | 3131 |
| Adder -A | | | | | | 160 | 160 | 160 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

| 2-Way, Modulating - Nylon Coated Disc | | | | | | Non-Spring Return | | | Spring Return | |
|---------------------------------------|------|-----|---------------|------|-----|-------------------|----------|------------|---------------|-------------|
| Actuator Model Details | | | | | | DM24-140 | DM24-210 | DM24-210-D | DMS24-180 | DMS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | Modulating | | | | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | 24 VAC/DC | | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 1336 | - | - | 1842 | - |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1375 | - | - | 1881 | - |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | - | 1496 | - | 1898 | - |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1613 | - | 3269 | - |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | - | - | 2511 | - | 3095 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | 2252 | - | - | 3610 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | - | 3164 | - | - |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | - | 3410 | - | 3663 |
| Adder -A | | | | | | 160 | 160 | 161 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

Stainless Steel Disc

| 2-Way, On/Off or Floating - Stainless Steel Disc | | | | | | Non-Spring Return | | | Spring Return | |
|--|------|-----|---------------|------|-----|-------------------|---------|-----------|---------------|------------|
| Actuator Model Details | | | | | | D24-140 | D24-210 | D24-210-D | DS24-180 | DS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off & Floating | | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | | 24 VAC/DC | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 1076 | - | - | 1527 | - |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | - | 1301 | - | 1567 | - |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | - | 1317 | - | 1583 | - |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1453 | - | 1883 | - |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | - | - | 1955 | - | 2561 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | 2149 | - | - | 3133 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | - | 2665 | - | - |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | - | 2909 | - | - |
| Adder -A | | | | | | 160 | 160 | 160 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

| 2-Way, Modulating - Stainless Steel Disc | | | | | | Non-Spring Return | | | Spring Return | |
|--|------|-----|---------------|------|-----|-------------------|----------|------------|---------------|-------------|
| Actuator Model Details | | | | | | DM24-140 | DM24-210 | DM24-210-D | DMS24-180 | DMS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | Modulating | | | | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | 24 VAC/DC | | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 1343 | - | - | 1849 | - |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | - | 1487 | - | 1889 | - |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | - | 1503 | - | 1905 | - |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1639 | - | 3308 | - |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | - | - | 2537 | - | 3121 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | 2335 | - | - | 3693 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | - | 3247 | - | - |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | - | 3491 | - | - |
| Adder -A | | | | | | 160 | 160 | 161 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 Add a -WS at the end of the part # if a weather cover is needed.
 For Spring Return Units:
 N = Normally Open
 C = Normally Closed - Factory default
 -D = Dual mounted actuators



3L Series Butterfly Valves 3-Way with NSR/SR Series with D-Series Commercial Electric Actuators

Nylon Coated Disc

| 3-Way, On/Off or Floating - Nylon Coated Disc | | | | | | Non-Spring Return | | | Spring Return | |
|---|------|-----|---------------|------|-----|-------------------|---------|-----------|---------------|------------|
| Actuator Model Details | | | | | | D24-140 | D24-210 | D24-210-D | DS24-180 | DS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off & Floating | | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | | 24 VAC/DC | |
| 3LNE-02S3X | 2 | 50 | 175 | 87 | 66 | 2339 | - | - | 2790 | - |
| 3LNE-25S3X | 2.5 | 65 | 175 | 185 | 98 | - | 2806 | - | 3072 | - |
| 3LNE-03S3X | 3 | 80 | 175 | 360 | 171 | - | 2964 | - | - | 3908 |
| 3LNE-04L3X | 4 | 100 | 50 | 740 | 310 | - | 4177 | - | - | 5121 |
| 3LNE-04S3X | 4 | 100 | 175 | 740 | 310 | - | - | 4653 | - | 5121 |
| 3LNE-05L3X | 5 | 125 | 50 | 1218 | 470 | - | - | 5374 | - | 6185 |
| 3LNE-06L3X | 6 | 150 | 50 | 1900 | 757 | - | - | 6035 | - | - |
| Adder -A | | | | | | 160 | 160 | 160 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

Nylon Coated Disc

| 3-Way, Modulating - Nylon Coated Disc | | | | | | Non-Spring Return | | | Spring Return | |
|---------------------------------------|------|-----|---------------|------|-----|-------------------|----------|------------|---------------|-------------|
| Actuator Model Details | | | | | | DM24-140 | DM24-210 | DM24-210-D | DMS24-180 | DMS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | Modulating | | | | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | 24 VAC/DC | | |
| 3LNE-02S3X | 2 | 50 | 175 | 87 | 66 | 2606 | - | - | 3112 | - |
| 3LNE-25S3X | 2.5 | 65 | 175 | 185 | 98 | - | 2992 | - | 3394 | - |
| 3LNE-03S3X | 3 | 80 | 175 | 360 | 171 | - | 2964 | - | - | 4468 |
| 3LNE-04L3X | 4 | 100 | 50 | 740 | 310 | - | 4363 | - | - | 5681 |
| 3LNE-04S3X | 4 | 100 | 175 | 740 | 310 | - | - | 5235 | - | 5681 |
| 3LNE-05L3X | 5 | 125 | 50 | 1218 | 470 | - | - | 5921 | - | 6745 |
| 3LNE-06L3X | 6 | 150 | 50 | 1900 | 757 | - | - | 6582 | - | - |
| Adder -A | | | | | | 160 | 160 | 161 | 156 | 156 |
| Adder -WS | | | | | | 481 | 481 | 604 | 484 | 604 |

Stainless Steel Disc

| 3-Way, On/Off or Floating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | |
|--|------|-----|---------------|------|-----|-------------------|-----------|---------------|------------|
| Actuator Model Details | | | | | | D24-210 | D24-210-D | DS24-180 | DS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off & Floating | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | 24 VAC/DC | |
| 3LSE-02S3X | 2 | 50 | 175 | 87 | 66 | 2538 | - | 2804 | - |
| 3LSE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 2822 | - | 3088 | - |
| 3LSE-03S3X | 3 | 80 | 175 | 360 | 171 | - | 3454 | - | 3922 |
| 3LSE-04L3X | 4 | 100 | 50 | 740 | 310 | 4229 | - | - | 5173 |
| 3LSE-04S3X | 4 | 100 | 175 | 740 | 310 | - | 4705 | - | - |
| 3LSE-05L3X | 5 | 125 | 50 | 1218 | 470 | - | 5883 | - | 6351 |
| Adder -A | | | | | | 160 | 160 | 156 | 156 |
| Adder -WS | | | | | | 481 | 604 | 484 | 604 |

| 3-Way, Modulating - Stainless Steel Disc | | | | | | Non-Spring Return | | Spring Return | |
|--|------|-----|---------------|------|-----|-------------------|------------|---------------|-------------|
| Actuator Model Details | | | | | | DM24-210 | DM24-210-D | DMS24-180 | DMS24-180-D |
| Valve Model Details | Size | | Close-Off psi | Cv | | Modulating | | | |
| | In. | mm | | 90° | 60° | 24 VAC/DC | | 24 VAC/DC | |
| 3LSE-02S3X | 2 | 50 | 175 | 87 | 66 | 2724 | - | 3126 | - |
| 3LSE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 3008 | - | 3410 | - |
| 3LSE-03S3X | 3 | 80 | 175 | 360 | 171 | - | 3454 | - | 4482 |
| 3LSE-04L3X | 4 | 100 | 50 | 740 | 310 | 4415 | - | - | 5733 |
| 3LSE-04S3X | 4 | 100 | 175 | 740 | 310 | - | 5287 | - | - |
| 3LSE-05L3X | 5 | 125 | 50 | 1218 | 470 | - | 6465 | - | 6911 |
| Adder -A | | | | | | 160 | 161 | 156 | 156 |
| Adder -WS | | | | | | 481 | 604 | 484 | 604 |

Options/Adders

For optional auxiliary switches, add -A to the end of the actuator part number.
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 Add a -WS at the end of the part # if a weather cover is needed.
 -D = Dual mounted actuators



3L Series Butterfly Valves 2-Way with Industrial Electric Actuators

Nylon Coated Disc

| 2-Way, 24 VAC and 120 VAC, On/Off & Modulating - Nylon Coated Disc | | | | | | | | | | | | | | | |
|--|------|-----|---------------|-----------------------|-------|----------|-------|------------|-------|------------|-------|--------------|-------|----------|-----------------------------|
| Actuator Model Details | | | | Series 70 & AU Series | | | | | | Series 70 | | | | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off | Price | Modulating | Price | On/Off | Price | Modulating | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | | 90° | 60° | 120 VAC | | 120 VAC | | 24 VAC | | 24 VAC | | | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 70-0081 | 2455 | 70-0081SV | 3584 | 70-24-0081 | 2984 | 70-24-0081SV | 3701 | 64 | 2919 |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 70-0081 | 2481 | 70-0081SV | 3609 | 70-24-0081 | 3016 | 70-24-0081SV | 3783 | 64 | 2918 |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | 70-0081 | 2530 | 70-0081SV | 3676 | 70-24-0081 | 3067 | 70-24-0081SV | 3794 | 65 | 2952 |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | 70-0081 | 4064 | 70-0081SV | 5944 | 70-24-0081 | 3896 | 70-24-0081SV | 5868 | 97 | 3474 |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | 70-0081 | 4064 | 70-0081SV | 5944 | 70-24-0081 | 3896 | 70-24-0081SV | 5868 | 97 | 3474 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | 70-0081 | 4579 | 70-0081SV | 6459 | 70-24-0081 | 4411 | 70-24-0081SV | 6383 | 97 | 3474 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | 70-0081 | 4579 | 70-0081SV | 6459 | 70-24-0081 | 4411 | 70-24-0081SV | 6383 | 97 | 3474 |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | 70-0081 | 4825 | 70-0081SV | 6705 | 70-24-0081 | 4657 | 70-24-0081SV | 6629 | 97 | 3474 |
| 3LNE-06S2C | 6 | 150 | 175 | 1900 | 757 | 70-0081 | 4825 | 70-0081SV | 6705 | 70-24-0081 | 4657 | 70-24-0081SV | 6629 | 97 | 3474 |
| 3LNE-08L2C | 8 | 200 | 50 | 3765 | 1247 | 70-0121 | 6529 | 70-0121SV | 8353 | 70-24-0201 | 6388 | 70-24-0201SV | 8361 | 93 | 3150 |
| 3LNE-08S2C | 8 | 200 | 175 | 3765 | 1247 | 70-0121 | 6529 | 70-0121SV | 8353 | 70-24-0201 | 6388 | 70-24-0201SV | 8361 | 93 | 3150 |
| 3LNE-10L2C | 10 | 250 | 50 | 6661 | 2005 | 70-0121 | 7018 | 70-0121SV | 8938 | 70-24-0201 | 7404 | 70-24-0201SV | 9435 | 98 | 3579 |
| 3LNE-10S2C | 10 | 250 | 175 | 6661 | 2005 | 70-0201 | 7721 | 70-0201SV | 9644 | 70-24-0201 | 7404 | 70-24-0201SV | 9435 | 101 | 3579 |
| 3LNE-12L2C | 12 | 300 | 50 | 10066 | 2868 | 70-0201 | 8638 | 70-0201SV | 10561 | 70-24-0201 | 8321 | 70-24-0201SV | 10352 | 101 | 3579 |
| 3LNE-12S2C | 12 | 300 | 175 | 10066 | 2868 | 70-E301 | 10331 | 70-E301SV | 12464 | 70-24-0501 | 12386 | 70-24-0501SV | 14419 | 99 | 3581 |
| 3LNE-14L2C | 14 | 350 | 50 | 11598 | 3328 | 70-0501 | 12719 | 70-0501SV | 14562 | 70-24-0501 | 12720 | 70-24-0501SV | 14753 | 99 | 3581 |
| 3LNE-14S2C | 14 | 350 | 150 | 11598 | 3328 | 70-0501 | 12719 | 70-0501SV | 14562 | 70-24-0501 | 12720 | 70-24-0501SV | 14753 | 99 | 3581 |
| 3LNE-16L2C | 16 | 400 | 50 | 15395 | 4440 | 70-0501 | 15969 | 70-0501SV | 17812 | 70-24-0501 | 15970 | 70-24-0501SV | 18003 | 99 | 3581 |
| 3LNE-16S2C | 16 | 400 | 150 | 15395 | 4440 | 70-0651 | 16464 | 70-0651SV | 18304 | - | - | - | - | 98 | - |
| 3LNE-18L2C | 18 | 450 | 50 | 20120 | 5509 | 70-0651 | 20548 | 70-0651SV | 22388 | - | - | - | - | 98 | - |
| 3LNE-18S2C | 18 | 450 | 150 | 20120 | 5509 | 70-1300 | 22216 | 70-1300SV | 24156 | - | - | - | - | 99 | - |
| 3LNE-20L2C | 20 | 500 | 50 | 25329 | 7056 | 70-1300 | 25051 | 70-1300SV | 26991 | - | - | - | - | 99 | - |
| 3LNE-20S2C | 20 | 500 | 150 | 25329 | 7056 | 70-1800 | 26363 | 70-1800SV | 27969 | - | - | - | - | 99 | - |
| 3LNE-24L2C | 24 | 600 | 50 | 39396 | 10267 | 70-1800 | 33534 | 70-1800SV | 35140 | - | - | - | - | 99 | - |
| 3LNE-24S2C | 24 | 600 | 150 | 39396 | 10267 | AU-4068* | 54672 | AU-4068SV* | 56714 | - | - | - | - | included | - |
| NYF2-C301 | 30 | 750 | 75 | 52443 | 18090 | AU-4068* | 63076 | AU-4068SV* | 65118 | - | - | - | - | included | - |
| NYF2-C300 | 30 | 750 | 150 | 52443 | 18090 | AU-7080* | 70220 | AU-7080SV* | 72262 | - | - | - | - | included | - |

Stainless Steel Disc

| 2-Way, 24 VAC and 120 VAC, On/Off & Modulating - Stainless Steel Disc | | | | | | | | | | | | | | | |
|---|------|-----|---------------|-----------------------|-------|----------|-------|------------|-------|------------|-------|--------------|-------|----------|-----------------------------|
| Actuator Model Details | | | | Series 70 & AU Series | | | | | | Series 70 | | | | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off | Price | Modulating | Price | On/Off | Price | Modulating | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | | 90° | 60° | 120 VAC | | 120 VAC | | 24 VAC | | 24 VAC | | | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 70-0081 | 2460 | 70-0081SV | 3588 | 70-24-0081 | 2990 | 70-24-0081SV | 3706 | 64 | 2919 |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 70-0081 | 2486 | 70-0081SV | 3614 | 70-24-0081 | 3023 | 70-24-0081SV | 3788 | 64 | 2918 |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | 70-0081 | 2535 | 70-0081SV | 3681 | 70-24-0081 | 3073 | 70-24-0081SV | 3799 | 65 | 2952 |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | 70-0081 | 4090 | 70-0081SV | 5970 | 70-24-0081 | 3922 | 70-24-0081SV | 5894 | 97 | 3474 |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | 70-0081 | 4090 | 70-0081SV | 5970 | 70-24-0081 | 3922 | 70-24-0081SV | 5894 | 97 | 3474 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | 70-0081 | 4662 | 70-0081SV | 6542 | 70-24-0081 | 4494 | 70-24-0081SV | 6466 | 97 | 3474 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | 70-0081 | 4662 | 70-0081SV | 6542 | 70-24-0081 | 4494 | 70-24-0081SV | 6466 | 97 | 3474 |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | 70-0081 | 4906 | 70-0081SV | 6786 | 70-24-0081 | 4738 | 70-24-0081SV | 6710 | 97 | 3474 |
| 3LSE-06S2C | 6 | 150 | 175 | 1900 | 757 | 70-0081 | 4906 | 70-0081SV | 6786 | 70-24-0081 | 4738 | 70-24-0081SV | 6710 | 97 | 3474 |
| 3LSE-08L2C | 8 | 200 | 50 | 3765 | 1247 | 70-0121 | 6330 | 70-0121SV | 8077 | 70-24-0201 | 6681 | 70-24-0201SV | 8529 | 89 | 3257 |
| 3LSE-08S2C | 8 | 200 | 175 | 3765 | 1247 | 70-0201 | 6970 | 70-0201SV | 8720 | 70-24-0201 | 6681 | 70-24-0201SV | 8529 | 92 | 3257 |
| 3LSE-10L2C | 10 | 250 | 50 | 6661 | 2005 | 70-0121 | 7143 | 70-0121SV | 9063 | 70-24-0201 | 7529 | 70-24-0201SV | 9560 | 98 | 3579 |
| 3LSE-10S2C | 10 | 250 | 175 | 6661 | 2005 | 70-0201 | 7846 | 70-0201SV | 9769 | 70-24-0201 | 7529 | 70-24-0201SV | 9560 | 101 | 3579 |
| 3LSE-12L2C | 12 | 300 | 50 | 10066 | 2868 | 70-0201 | 9471 | 70-0201SV | 11394 | 70-24-0201 | 9154 | 70-24-0201SV | 11185 | 101 | 3579 |
| 3LSE-12S2C | 12 | 300 | 175 | 10066 | 2868 | 70-E301 | 11164 | 70-E301SV | 13297 | 70-24-0501 | 13219 | 70-24-0501SV | 15252 | 99 | 3581 |
| 3LSE-14S2C | 14 | 350 | 150 | 11598 | 3328 | 70-0501 | 14218 | 70-0501SV | 16061 | 70-24-0501 | 14219 | 70-24-0501SV | 16252 | 99 | 3581 |
| 3LSE-16S2C | 16 | 400 | 150 | 15395 | 4440 | 70-1300 | 20049 | 70-1300SV | 21989 | - | - | - | - | 99 | - |
| 3LSE-18S2C | 18 | 450 | 150 | 20120 | 5509 | 70-1300 | 25553 | 70-1300SV | 27493 | - | - | - | - | 99 | - |
| 3LSE-20S2C | 20 | 500 | 150 | 25329 | 7056 | 70-1800 | 31034 | 70-1800SV | 32640 | - | - | - | - | 99 | - |
| 3LSE-24S2C | 24 | 600 | 150 | 39396 | 10267 | AU-4068* | 58006 | AU-4068SV* | 60048 | - | - | - | - | included | - |

Options/Adders

For Heater/Thermostat kit, add "H" to the actuator part number.
 *Heaters standard in AU-Series
 Upon Loss of Signal on Servo units:
 N = Normally Open (reverse acting)
 C = Normally Closed - Factory default
 For Battery Back-Up Failsafe Option (BBU) on 24 VAC actuators, add "-BBU".
 For Battery Back-UP Failsafe units:
 N = Normally Open
 C = Normally Closed - Factory default

PRICING - 3L Series Butterfly Valves - 2-Way



3L Series Butterfly Valves 3-Way with Industrial Electric Actuators

Nylon Coated Disc

| 3-Way, 24 VAC and 120 VAC, On/Off & Modulating - Nylon Coated Disc | | | | | | | | | | | | | | | |
|--|------|-----|---------------|-----------------------|------|----------|-------|------------|-------|------------|-------|--------------|-------|----------|-----------------------------|
| Actuator Model Details | | | | Series 70 & AU Series | | | | | | Series 70 | | | | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off | Price | Modulating | Price | On/Off | Price | Modulating | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | | 90° | 60° | 120 VAC | | 120 VAC | | 24 VAC | | 24 VAC | | | |
| 3LNE-02S3X | 2 | 50 | 175 | 87 | 66 | 70-0081 | 3496 | 70-0081SV | 4699 | 70-24-0081 | 3388 | 70-24-0081SV | 4650 | 62 | 2223 |
| 3LNE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 70-0081 | 3734 | 70-0081SV | 4956 | 70-24-0081 | 3624 | 70-24-0081SV | 4906 | 63 | 2258 |
| 3LNE-03S3X | 3 | 80 | 175 | 360 | 171 | 70-0081 | 5902 | 70-0081SV | 7782 | 70-24-0081 | 5734 | 70-24-0081SV | 7706 | 97 | 3474 |
| 3LNE-04L3X | 4 | 100 | 50 | 740 | 310 | 70-0081 | 7115 | 70-0081SV | 8995 | 70-24-0081 | 6947 | 70-24-0081SV | 8919 | 97 | 3474 |
| 3LNE-04S3X | 4 | 100 | 175 | 740 | 310 | 70-0081 | 7115 | 70-0081SV | 8995 | 70-24-0081 | 6947 | 70-24-0081SV | 8919 | 97 | 3474 |
| 3LNE-05L3X | 5 | 125 | 50 | 1218 | 470 | 70-0081 | 8179 | 70-0081SV | 10059 | 70-24-0081 | 8011 | 70-24-0081SV | 9983 | 97 | 3474 |
| 3LNE-05S3X | 5 | 125 | 175 | 1218 | 470 | 70-0081 | 8179 | 70-0081SV | 10059 | 70-24-0081 | 8011 | 70-24-0081SV | 9983 | 97 | 3474 |
| 3LNE-06L3X | 6 | 150 | 50 | 1900 | 757 | 70-0081 | 8882 | 70-0081SV | 10762 | 70-24-0081 | 8714 | 70-24-0081SV | 10686 | 97 | 3474 |
| 3LNE-06S3X | 6 | 150 | 175 | 1900 | 757 | 70-0081 | 8882 | 70-0081SV | 10762 | 70-24-0081 | 8714 | 70-24-0081SV | 10686 | 97 | 3474 |
| 3LNE-08L3X | 8 | 200 | 50 | 3765 | 1247 | 70-0121 | 10500 | 70-0121SV | 12324 | 70-24-0201 | 10867 | 70-24-0201SV | 12797 | 93 | 3400 |
| 3LNE-08S3X | 8 | 200 | 175 | 3765 | 1247 | 70-0201 | 11168 | 70-0201SV | 12995 | 70-24-0201 | 10867 | 70-24-0201SV | 12797 | 96 | 3400 |
| 3LNE-10L3X | 10 | 250 | 50 | 6661 | 2005 | 70-0201 | 12223 | 70-0201SV | 14146 | 70-24-0201 | 11906 | 70-24-0201SV | 13937 | 101 | 3579 |
| 3LNE-10S3X | 10 | 250 | 175 | 6661 | 2005 | 70-E301 | 13916 | 70-E301SV | 16049 | 70-24-0501 | 15906 | 70-24-0501SV | 17939 | 99 | 3581 |
| 3LNE-12L3X | 12 | 300 | 50 | 10066 | 2868 | 70-0201 | 14711 | 70-0201SV | 16634 | 70-24-0201 | 14394 | 70-24-0201SV | 16425 | 101 | 3579 |
| 3LNE-12S3X | 12 | 300 | 175 | 10066 | 2868 | 70-0501 | 18393 | 70-0501SV | 20236 | 70-24-0501 | 18394 | 70-24-0501SV | 20427 | 99 | 3581 |
| 3LNE-14L3X | 14 | 350 | 50 | 11598 | 3328 | 70-0501 | 30003 | 70-0501SV | 31846 | 70-24-0501 | 30004 | 70-24-0501SV | 32037 | 99 | 3581 |
| 3LNE-14S3X | 14 | 350 | 150 | 11598 | 3328 | 70-0651 | 30498 | 70-0651SV | 32338 | - | - | - | - | 98 | - |
| 3LNE-16L3X | 16 | 400 | 50 | 15395 | 4440 | 70-0651 | 37814 | 70-0651SV | 39654 | - | - | - | - | 98 | - |
| 3LNE-16S3X | 16 | 400 | 150 | 15395 | 4440 | 70-1300 | 39482 | 70-1300SV | 41422 | - | - | - | - | 99 | - |
| 3LNE-18L3X | 18 | 450 | 50 | 20120 | 5509 | 70-1300 | 51733 | 70-1300SV | 53673 | - | - | - | - | 99 | - |
| 3LNE-18S3X | 18 | 450 | 150 | 20120 | 5509 | 70-1800 | 53045 | 70-1800SV | 54651 | - | - | - | - | 99 | - |
| 3LNE-20L3X | 20 | 500 | 50 | 25329 | 7056 | 70-1800 | 61164 | 70-1800SV | 62770 | - | - | - | - | 99 | - |
| 3LNE-20S3X | 20 | 500 | 150 | 25329 | 7056 | AU-4068* | 78628 | AU-4068SV* | 80670 | - | - | - | - | Included | - |

Stainless Steel Disc

| 3-Way, 24 VAC and 120 VAC, On/Off & Modulating - Stainless Steel Disc | | | | | | | | | | | | | | | |
|---|------|-----|---------------|-----------------------|------|----------|-------|------------|-------|------------|-------|--------------|-------|----------|-----------------------------|
| Actuator Model Details | | | | Series 70 & AU Series | | | | | | Series 70 | | | | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | On/Off | Price | Modulating | Price | On/Off | Price | Modulating | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | | 90° | 60° | 120 VAC | | 120 VAC | | 24 VAC | | 24 VAC | | | |
| 3LSE-02S3X | 2 | 50 | 175 | 87 | 66 | 70-0081 | 3505 | 70-0081SV | 4708 | 70-24-0081 | 3397 | 70-24-0081SV | 4659 | 62 | 2223 |
| 3LSE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 70-0081 | 3744 | 70-0081SV | 4966 | 70-24-0081 | 3635 | 70-24-0081SV | 4917 | 63 | 2258 |
| 3LSE-03S3X | 3 | 80 | 175 | 360 | 171 | 70-0081 | 5916 | 70-0081SV | 7796 | 70-24-0081 | 5748 | 70-24-0081SV | 7720 | 97 | 3474 |
| 3LSE-04L3X | 4 | 100 | 50 | 740 | 310 | 70-0081 | 7167 | 70-0081SV | 9047 | 70-24-0081 | 6999 | 70-24-0081SV | 8971 | 97 | 3474 |
| 3LSE-04S3X | 4 | 100 | 175 | 740 | 310 | 70-0081 | 7167 | 70-0081SV | 9047 | 70-24-0081 | 6999 | 70-24-0081SV | 8971 | 97 | 3474 |
| 3LSE-05L3X | 5 | 125 | 50 | 1218 | 470 | 70-0081 | 8345 | 70-0081SV | 10225 | 70-24-0081 | 8177 | 70-24-0081SV | 10149 | 97 | 3474 |
| 3LSE-05S3X | 5 | 125 | 175 | 1218 | 470 | 70-0081 | 8345 | 70-0081SV | 10225 | 70-24-0081 | 8177 | 70-24-0081SV | 10149 | 97 | 3474 |
| 3LSE-06L3X | 6 | 150 | 50 | 1900 | 757 | 70-0081 | 9044 | 70-0081SV | 10924 | 70-24-0081 | 8876 | 70-24-0081SV | 10848 | 97 | 3474 |
| 3LSE-06S3X | 6 | 150 | 175 | 1900 | 757 | 70-0081 | 9044 | 70-0081SV | 10924 | 70-24-0081 | 8876 | 70-24-0081SV | 10848 | 97 | 3474 |
| 3LSE-08L3X | 8 | 200 | 50 | 3765 | 1247 | 70-0121 | 10658 | 70-0121SV | 12482 | 70-24-0201 | 11025 | 70-24-0201SV | 12954 | 93 | 3400 |
| 3LSE-08S3X | 8 | 200 | 175 | 3765 | 1247 | 70-0201 | 11326 | 70-0201SV | 13153 | 70-24-0201 | 11025 | 70-24-0201SV | 12954 | 96 | 3400 |
| 3LSE-10L3X | 10 | 250 | 50 | 6661 | 2005 | 70-0201 | 12473 | 70-0201SV | 14396 | 70-24-0201 | 12156 | 70-24-0201SV | 14187 | 101 | 3579 |
| 3LSE-10S3X | 10 | 250 | 175 | 6661 | 2005 | 70-E301 | 14166 | 70-E301SV | 16299 | 70-24-0501 | 16156 | 70-24-0501SV | 18189 | 99 | 3581 |
| 3LSE-12L3X | 12 | 300 | 50 | 10066 | 2868 | 70-E301 | 18070 | 70-E301SV | 20203 | 70-24-0501 | 20060 | 70-24-0501SV | 22093 | 99 | 3581 |
| 3LSE-12S3X | 12 | 300 | 175 | 10066 | 2868 | 70-0501 | 20059 | 70-0501SV | 21902 | 70-24-0501 | 20060 | 70-24-0501SV | 22093 | 99 | 3581 |
| 3LSE-14S3X | 14 | 350 | 150 | 11598 | 3328 | 70-0651 | 33496 | 70-0651SV | 35336 | - | - | - | - | 98 | - |
| 3LSE-16S3X | 16 | 400 | 150 | 15395 | 4440 | 70-1300 | 43316 | 70-1300SV | 45256 | - | - | - | - | 99 | - |
| 3LSE-18S3X | 18 | 450 | 150 | 20120 | 5509 | 70-1800 | 59719 | 70-1800SV | 61325 | - | - | - | - | 99 | - |
| 3LSE-20S3X | 20 | 500 | 150 | 25329 | 7056 | AU-4068* | 87970 | AU-4068SV* | 90012 | - | - | - | - | Included | - |

Options/Adders
X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
For Heater/Thermostat kit, add "H" to the actuator part number.
*Heaters standard in AU-Series
For Battery Back-Up Failsafe Option (BBU) on 24 VAC actuators, add "-BBU".



3L Series Butterfly Valves 2-Way with Series 92 Double Acting Pneumatic Actuators

Nylon Coated Disc

| 2-Way, Double Acting Pneumatic - Nylon Coated Disc | | | | | | | | | | | | | |
|--|------|-----|---------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|----------------------------|
| Actuator Model Details | | | | | | 92-063 | 92-083 | 92-119 | 92-128 | 92-160 | 92-210 | 92-255 | Adder for Manual Override* |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | | | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 1298 | - | - | - | - | - | - | 1082 |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1298 | - | - | - | - | - | - | 1082 |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | 1379 | - | - | - | - | - | - | 1082 |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1698 | - | - | - | - | - | 1082 |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | - | 1698 | - | - | - | - | - | 1082 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | 1897 | - | - | - | - | - | 1082 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 1897 | - | - | - | - | - | 1082 |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2151 | - | - | - | - | - | 1082 |
| 3LNE-06S2C | 6 | 150 | 175 | 1900 | 757 | - | 2151 | - | - | - | - | - | 1598 |
| 3LNE-08L2C | 8 | 200 | 50 | 3765 | 1247 | - | - | 3244 | - | - | - | - | 1598 |
| 3LNE-08S2C | 8 | 200 | 175 | 3765 | 1247 | - | - | 3244 | - | - | - | - | 1598 |
| 3LNE-10L2C | 10 | 250 | 50 | 6661 | 2005 | - | - | 3900 | - | - | - | - | 1598 |
| 3LNE-10S2C | 10 | 250 | 175 | 6661 | 2005 | - | - | 3900 | - | - | - | - | 1598 |
| 3LNE-12L2C | 12 | 300 | 50 | 10066 | 2868 | - | - | 4335 | - | - | - | - | 1598 |
| 3LNE-12S2C | 12 | 300 | 175 | 10066 | 2868 | - | - | - | 5626 | - | - | - | 1598 |
| 3LNE-14L2C | 14 | 350 | 50 | 11598 | 3328 | - | - | - | 6733 | - | - | - | 1598 |
| 3LNE-14S2C | 14 | 350 | 150 | 11598 | 3328 | - | - | - | - | 8036 | - | - | 2210 |
| 3LNE-16L2C | 16 | 400 | 50 | 15395 | 4440 | - | - | - | - | 9990 | - | - | 2210 |
| 3LNE-16S2C | 16 | 400 | 150 | 15395 | 4440 | - | - | - | - | - | 11618 | - | 2210 |
| 3LNE-18L2C | 18 | 450 | 50 | 20120 | 5509 | - | - | - | - | - | 13938 | - | 2580 |
| 3LNE-18S2C | 18 | 450 | 150 | 20120 | 5509 | - | - | - | - | - | 13938 | - | 2580 |
| 3LNE-20L2C | 20 | 500 | 50 | 25329 | 7056 | - | - | - | - | - | 16768 | - | 2931 |
| 3LNE-20S2C | 20 | 500 | 150 | 25329 | 7056 | - | - | - | - | - | - | 27137 | 2931 |
| 3LNE-24L2C | 24 | 600 | 50 | 39396 | 10267 | - | - | - | - | - | - | 31315 | 13244 |
| NYF2-C301 | 30 | 750 | 75 | 52443 | 18090 | - | - | - | - | - | - | 35436 | 13244 |

| 2-Way, Spring Return Pneumatic - Nylon Coated Disc | | | | | | | |
|--|------|-----|---------------|-------|-------|--|-------|
| Actuator Model Details | | | | | | Series 98 Pneumatic Scotch Yoke (Fail Close) | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Part Number | Price |
| | In. | mm | | 90° | 60° | | |
| 3LNE-24S2C | 24 | 600 | 150 | 39396 | 10267 | 45E2-12-DA | 35362 |
| NYF2-C300 | 30 | 750 | 150 | 52443 | 18090 | 14E3-12-DA-C | 53151 |

Stainless Steel Disc

| 2-Way, Double Acting Pneumatic - Stainless Steel Disc | | | | | | | | | | | | | |
|---|------|-----|---------------|-------|------|--------|--------|--------|--------|--------|--------|--------|----------------------------|
| Actuator Model Details | | | | | | 92-063 | 92-083 | 92-119 | 92-128 | 92-160 | 92-210 | 92-255 | Adder for Manual Override* |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | | | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 1281 | - | - | - | - | - | - | 1082 |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 1329 | - | - | - | - | - | - | 1082 |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | 1412 | - | - | - | - | - | - | 1082 |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | - | 1772 | - | - | - | - | - | 1082 |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | - | 1772 | - | - | - | - | - | 1082 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | - | 1985 | - | - | - | - | - | 1082 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | - | 1985 | - | - | - | - | - | 1082 |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | - | 2288 | - | - | - | - | - | 1082 |
| 3LSE-06S2C | 6 | 150 | 175 | 1900 | 757 | - | 2288 | - | - | - | - | - | 1598 |
| 3LSE-08L2C | 8 | 200 | 50 | 3765 | 1247 | - | - | 3522 | - | - | - | - | 1598 |
| 3LSE-08S2C | 8 | 200 | 175 | 3765 | 1247 | - | - | 3522 | - | - | - | - | 1598 |
| 3LSE-10L2C | 10 | 250 | 50 | 6661 | 2005 | - | - | 4444 | - | - | - | - | 1598 |
| 3LSE-10S2C | 10 | 250 | 175 | 6661 | 2005 | - | - | 4444 | - | - | - | - | 1598 |
| 3LSE-12L2C | 12 | 300 | 50 | 10066 | 2868 | - | - | 5502 | - | - | - | - | 1598 |
| 3LSE-12S2C | 12 | 300 | 175 | 10066 | 2868 | - | - | - | 6712 | - | - | - | 1598 |
| 3LSE-14S2C | 14 | 350 | 150 | 11598 | 3328 | - | - | - | - | 9511 | - | - | 2210 |
| 3LSE-16S2C | 16 | 400 | 150 | 15395 | 4440 | - | - | - | - | - | 13922 | - | 2210 |
| 3LSE-18S2C | 18 | 450 | 150 | 20120 | 5509 | - | - | - | - | - | 17470 | - | 2580 |
| 3LSE-20S2C | 20 | 500 | 150 | 25329 | 7056 | - | - | - | - | - | - | 31400 | 2931 |

Options/Adders
 * For Manual Override, add "-5" to the end of the part number.
 For additional options and adders, see Pages 55 & 56.

PRICING - 3L Series Butterfly Valves - 2-Way



3L Series Butterfly Valves 3-Way with Series 92 Double Acting Pneumatic Actuators

| 3-Way, Double Acting Pneumatic - Nylon Coated Disc | | | | | | | | | | | |
|--|------|-----|---------------|-------|------|--------|--------|--------|--------|--------|----------------------------|
| Actuator Model Details | | | | | | 92-083 | 92-119 | 92-160 | 92-210 | 92-255 | Adder for Manual Override* |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | |
| 3LNE-02S3X | 2 | 50 | 175 | 87 | 66 | 3473 | - | - | - | - | 1082 |
| 3LNE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 3610 | - | - | - | - | 1082 |
| 3LNE-03S3X | 3 | 80 | 175 | 360 | 171 | 3748 | - | - | - | - | 1082 |
| 3LNE-04L3X | 4 | 100 | 50 | 740 | 310 | 4471 | - | - | - | - | 1082 |
| 3LNE-04S3X | 4 | 100 | 175 | 740 | 310 | 4471 | - | - | - | - | 1082 |
| 3LNE-05L3X | 5 | 125 | 50 | 1218 | 470 | 5763 | - | - | - | - | 1082 |
| 3LNE-05S3X | 5 | 125 | 175 | 1218 | 470 | 5925 | - | - | - | - | 1082 |
| 3LNE-06L3X | 6 | 150 | 50 | 1900 | 757 | 6246 | - | - | - | - | 1082 |
| 3LNE-06S3X | 6 | 150 | 175 | 1900 | 757 | 6246 | - | - | - | - | 1598 |
| 3LNE-08L3X | 8 | 200 | 50 | 3765 | 1247 | - | 8931 | - | - | - | 1598 |
| 3LNE-08S3X | 8 | 200 | 175 | 3765 | 1247 | - | 8931 | - | - | - | 1598 |
| 3LNE-10L3X | 10 | 250 | 50 | 6661 | 2005 | - | 10672 | - | - | - | 1598 |
| 3LNE-10S3X | 10 | 250 | 175 | 6661 | 2005 | - | 10672 | - | - | - | 1598 |
| 3LNE-12L3X | 12 | 300 | 50 | 10066 | 2868 | - | 14420 | - | - | - | 1598 |
| 3LNE-12S3X | 12 | 300 | 175 | 10066 | 2868 | - | - | 19559 | - | - | 1598 |
| 3LNE-14L3X | 14 | 350 | 50 | 11598 | 3328 | - | - | 27940 | - | - | 1598 |
| 3LNE-14S3X | 14 | 350 | 150 | 11598 | 3328 | - | - | - | 31436 | - | 2210 |
| 3LNE-16L3X | 16 | 400 | 50 | 15395 | 4440 | - | - | - | 39281 | - | 2210 |
| 3LNE-16S3X | 16 | 400 | 150 | 15395 | 4440 | - | - | - | - | 49941 | 2931 |
| 3LNE-18L3X | 18 | 450 | 50 | 20120 | 5509 | - | - | - | 44241 | - | 2580 |
| 3LNE-18S3X | 18 | 450 | 150 | 20120 | 5509 | - | - | - | - | 55211 | 2931 |
| 3LNE-20L3X | 20 | 500 | 50 | 25329 | 7056 | - | - | - | 52634 | - | 2931 |
| 3LNE-20S3X | 20 | 500 | 150 | 25329 | 7056 | - | - | - | - | 64428 | 2931 |

Nylon Coated Disc

| 3-Way, Double Acting Pneumatic - Stainless Steel Disc | | | | | | | | | | | | |
|---|------|-----|---------------|-------|------|--------|--------|--------|--------|--------|--------|----------------------------|
| Actuator Model Details | | | | | | 92-083 | 92-119 | 92-128 | 92-160 | 92-210 | 92-255 | Adder for Manual Override* |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | | |
| 3LSE-02S3X | 2 | 50 | 175 | 87 | 66 | 3524 | - | - | - | - | - | 1082 |
| 3LSE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 3670 | - | - | - | - | - | 1082 |
| 3LSE-03S3X | 3 | 80 | 175 | 360 | 171 | 3815 | - | - | - | - | - | 1082 |
| 3LSE-04L3X | 4 | 100 | 50 | 740 | 310 | 4619 | - | - | - | - | - | 1082 |
| 3LSE-04S3X | 4 | 100 | 175 | 740 | 310 | 4753 | - | - | - | - | - | 1082 |
| 3LSE-05L3X | 5 | 125 | 50 | 1218 | 470 | 5821 | - | - | - | - | - | 1082 |
| 3LSE-05S3X | 5 | 125 | 175 | 1218 | 470 | 6100 | - | - | - | - | - | 1082 |
| 3LSE-06L3X | 6 | 150 | 50 | 1900 | 757 | 6520 | - | - | - | - | - | 1082 |
| 3LSE-06S3X | 6 | 150 | 175 | 1900 | 757 | 6520 | - | - | - | - | - | 1598 |
| 3LSE-08L3X | 8 | 200 | 50 | 3765 | 1247 | - | 9490 | - | - | - | - | 1598 |
| 3LSE-08S3X | 8 | 200 | 175 | 3765 | 1247 | - | 9490 | - | - | - | - | 1598 |
| 3LSE-10L3X | 10 | 250 | 50 | 6661 | 2005 | - | 11759 | - | - | - | - | 1598 |
| 3LSE-10S3X | 10 | 250 | 175 | 6661 | 2005 | - | - | 11771 | - | - | - | 1598 |
| 3LSE-12L3X | 12 | 300 | 50 | 10066 | 2868 | - | 16592 | - | - | - | - | 1598 |
| 3LSE-12S3X | 12 | 300 | 175 | 10066 | 2868 | - | - | - | 21731 | - | - | 1598 |
| 3LSE-14S3X | 14 | 350 | 150 | 11598 | 3328 | - | - | - | - | 34389 | - | 2210 |
| 3LSE-16S3X | 16 | 400 | 150 | 15395 | 4440 | - | - | - | - | - | 54549 | 2931 |
| 3LSE-18S3X | 18 | 450 | 150 | 20120 | 5509 | - | - | - | - | - | 63106 | 2931 |
| 3LSE-20S3X | 20 | 500 | 150 | 25329 | 7056 | - | - | - | - | - | 72954 | 2931 |

Stainless Steel Disc

Options/Adders

X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 * For Manual Override, add "-5" to the end of the part number.
 For additional options and adders, see Pages 55 & 56.



3L Series Butterfly Valves 2-Way with Series 93 & 98 Spring Return Pneumatic Actuators

Nylon Coated Disc

| 2-Way, Spring Return Pneumatic - Nylon Coated Disc | | | | | | | | | | |
|--|------------------------|-----|---------------|-------|------|-------------------------------|-------|---------------------------|-------|----------------------------|
| Valve Model Details | Actuator Model Details | | | | | Normally Closed (Fail Closed) | Price | Normally Open (Fail Open) | Price | Adder for Manual Override* |
| | Size | | Close-Off psi | Cv | | | | | | |
| | In. | mm | | 90° | 60° | | | | | |
| 3LNE-02S2C | 2 | 50 | 175 | 87 | 66 | 93-0833 | 1873 | 93-0832 | 1807 | 1082 |
| 3LNE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 93-0833 | 1978 | 93-0832 | 1925 | 1082 |
| 3LNE-03S2C | 3 | 80 | 175 | 360 | 171 | 93-0834 | 2074 | 93-0833 | 2019 | 1082 |
| 3LNE-04L2C | 4 | 100 | 50 | 740 | 310 | 93-0833 | 2214 | 93-0833 | 2172 | 1082 |
| 3LNE-04S2C | 4 | 100 | 175 | 740 | 310 | 93-0836 | 2413 | 93-0834 | 2184 | 1082 |
| 3LNE-05L2C | 5 | 125 | 50 | 1218 | 470 | 93-0835 | 2591 | 93-0834 | 2361 | 1082 |
| 3LNE-05S2C | 5 | 125 | 175 | 1218 | 470 | 93-0935 | 2760 | 93-0934 | 2747 | 1188 |
| 3LNE-06L2C | 6 | 150 | 50 | 1900 | 757 | 93-0935 | 2955 | 93-0934 | 2944 | 1188 |
| 3LNE-06S2C | 6 | 150 | 175 | 1900 | 757 | 93-1194 | 3468 | 93-1193 | 3362 | 1599 |
| 3LNE-08L2C | 8 | 200 | 50 | 3765 | 1247 | 93-1194 | 4129 | 93-1193 | 4035 | 1599 |
| 3LNE-08S2C | 8 | 200 | 175 | 3765 | 1247 | 93-1603 | 5582 | 93-1284 | 4072 | 1599 |
| 3LNE-10L2C | 10 | 250 | 50 | 6661 | 2005 | 93-1603 | 5946 | 93-1283 | 5634 | 1599 |
| 3LNE-10S2C | 10 | 250 | 175 | 6661 | 2005 | 93-1605 | 7868 | 93-1603 | 7775 | 1599 |
| 3LNE-12L2C | 12 | 300 | 50 | 10066 | 2868 | 93-1604 | 8094 | 93-1603 | 7905 | 1599 |
| 3LNE-12S2C | 12 | 300 | 175 | 10066 | 2868 | 93-2103 | 11255 | 93-2102 | 11095 | 2520 |
| 3LNE-14L2C | 14 | 350 | 50 | 11598 | 3328 | 93-2103 | 12538 | 93-2102 | 12425 | 2520 |
| 3LNE-14S2C | 14 | 350 | 150 | 11598 | 3328 | 93-2106 | 13060 | 93-2104 | 13036 | 2520 |
| 3LNE-16L2C | 16 | 400 | 50 | 15395 | 4440 | 93-2105 | 14642 | 93-2103 | 14397 | 2520 |
| 3LNE-16S2C | 16 | 400 | 150 | 15395 | 4440 | 93-2554 | 25585 | 93-2553 | 24581 | 13245 |
| 3LNE-18L2C | 18 | 450 | 50 | 20120 | 5509 | 93-2105 | 18533 | 93-2103 | 18268 | 2520 |
| 3LNE-18S2C | 18 | 450 | 150 | 20120 | 5509 | 93-2555 | 29330 | 93-2553 | 27178 | 13245 |
| 3LNE-20L2C | 20 | 500 | 50 | 25329 | 7056 | 93-2553 | 30468 | 93-2552 | 29469 | 13245 |
| 3LNE-20S2C | 20 | 500 | 150 | 25329 | 7056 | 93-2556 | 33574 | 93-2554 | 32595 | 13245 |

Stainless Steel Disc

| 2-Way, Spring Return Pneumatic - Nylon Coated Disc | | | | | | | |
|--|------------------------|-----|---------------|-------|--|---------------|-------|
| Valve Model Details | Actuator Model Details | | | | Series 98 Pneumatic Scotch Yoke (Fail Close) | | |
| | Size | | Close-Off psi | Cv | | Part Number | Price |
| | In. | mm | | 90° | 60° | | |
| 3LNE-24L2C | 24 | 600 | 50 | 39396 | 10267 | 45E2-12-SR3 | 51574 |
| 3LNE-24S2C | 24 | 600 | 150 | 39396 | 10267 | 73E2-14-SR4-C | 56710 |
| NYF2-C301 | 30 | 750 | 75 | 52443 | 18090 | 73E2-14-SR3-C | 63072 |
| NYF2-C300 | 30 | 750 | 150 | 52443 | 18090 | 14E3-14-SR3-C | 66913 |

| 2-Way, Spring Return Pneumatic - Stainless Steel Disc | | | | | | | | | | |
|---|------------------------|-----|---------------|-------|------|-------------------------------|-------|---------------------------|-------|----------------------------|
| Valve Model Details | Actuator Model Details | | | | | Normally Closed (Fail Closed) | Price | Normally Open (Fail Open) | Price | Adder for Manual Override* |
| | Size | | Close-Off psi | Cv | | | | | | |
| | In. | mm | | 90° | 60° | | | | | |
| 3LSE-02S2C | 2 | 50 | 175 | 87 | 66 | 93-0833 | 2357 | 93-0832 | 2274 | 1343 |
| 3LSE-25S2C | 2.5 | 65 | 175 | 185 | 98 | 93-0833 | 2495 | 93-0833 | 2426 | 1343 |
| 3LSE-03S2C | 3 | 80 | 175 | 360 | 171 | 93-0834 | 2616 | 93-0833 | 2549 | 1343 |
| 3LSE-04L2C | 4 | 100 | 50 | 740 | 310 | 93-0834 | 2840 | 93-0833 | 2788 | 1343 |
| 3LSE-04S2C | 4 | 100 | 175 | 740 | 310 | 93-0935 | 3087 | 93-0933 | 2802 | 1343 |
| 3LSE-05L2C | 5 | 125 | 50 | 1218 | 470 | 93-0835 | 3324 | 93-0834 | 3041 | 1343 |
| 3LSE-05S2C | 5 | 125 | 175 | 1218 | 470 | 93-1193 | 3534 | 93-1194 | 3520 | 1475 |
| 3LSE-06L2C | 6 | 150 | 50 | 1900 | 757 | 93-0935 | 3839 | 93-0934 | 3825 | 1475 |
| 3LSE-06S2C | 6 | 150 | 175 | 1900 | 757 | 93-1194 | 4478 | 93-1193 | 4345 | 1985 |
| 3LSE-08L2C | 8 | 200 | 50 | 3765 | 1247 | 93-1195 | 5473 | 93-1193 | 5355 | 1985 |
| 3LSE-08S2C | 8 | 200 | 175 | 3765 | 1247 | 93-1603 | 7276 | 93-1283 | 5402 | 1985 |
| 3LSE-10L2C | 10 | 250 | 50 | 6661 | 2005 | 93-1603 | 8058 | 93-1283 | 7670 | 1985 |
| 3LSE-10S2C | 10 | 250 | 175 | 6661 | 2005 | 93-1605 | 10444 | 93-1603 | 10329 | 1985 |
| 3LSE-12L2C | 12 | 300 | 50 | 10066 | 2868 | 93-1605 | 11396 | 93-1603 | 11161 | 1985 |
| 3LSE-12S2C | 12 | 300 | 175 | 10066 | 2868 | 93-2104 | 15322 | 93-2103 | 15124 | 3129 |
| 3LSE-14S2C | 14 | 350 | 150 | 11598 | 3328 | 93-2553 | 18047 | 93-2552 | 18017 | 3639 |
| 3LSE-16S2C | 16 | 400 | 150 | 15395 | 4440 | 93-2554 | 34627 | 93-2554 | 33379 | 16445 |
| 3LSE-18S2C | 18 | 450 | 150 | 20120 | 5509 | 93-2553 | 40799 | 93-2553 | 38128 | 16445 |

| 2-Way, Spring Return Pneumatic - Stainless Steel Disc | | | | | | | |
|---|------------------------|-----|---------------|-------|--|---------------|-------|
| Valve Model Details | Actuator Model Details | | | | Series 98 Pneumatic Scotch Yoke (Fail Close) | | |
| | Size | | Close-Off PSI | Cv | | Part Number | Price |
| | In. | mm | | 90° | 60° | | |
| 3LSE-20S2C | 20 | 500 | 150 | 25329 | 7056 | 45E2-12-SR3 | 54789 |
| 3LSE-24S2C | 24 | 600 | 150 | 39396 | 10267 | 45E2-12-SR3 | 72431 |
| NYF2-C301 | 30 | 750 | 75 | 52443 | 18090 | 45E2-12-SR3 | 82352 |
| NYF2-C300 | 30 | 750 | 150 | 52443 | 18090 | 14E3-14-SR3-C | 87121 |

Options/Adders
 * For Manual Override, add "-5" to the end of the part number.
 For additional options and adders, see Pages 55 & 56.
 For Spring Return Units:
 N = Normally Open
 C = Normally Closed - Factory default



3L Series Butterfly Valves 3-Way with Series 93 Spring Return Pneumatic Actuators

Nylon Coated Disc

| 3-Way, Spring Return Pneumatic - Nylon Coated Disc | | | | | | | | | | | |
|--|------|-----|---------------|-------|------|---------|---------|---------|---------|---------|---------|
| Actuator Model Details | | | | | | 93-0834 | 93-0935 | 93-1194 | 93-1605 | 93-2105 | 93-2554 |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | |
| 3LNE-02S3X | 2 | 50 | 175 | 87 | 66 | 4686 | - | - | - | - | - |
| 3LNE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 4475 | - | - | - | - | - |
| 3LNE-03S3X | 3 | 80 | 175 | 360 | 171 | 4644 | - | - | - | - | - |
| 3LNE-04L3X | 4 | 100 | 50 | 740 | 310 | 5320 | - | - | - | - | - |
| 3LNE-04S3X | 4 | 100 | 175 | 740 | 310 | - | 5645 | - | - | - | - |
| 3LNE-05L3X | 5 | 125 | 50 | 1218 | 470 | - | 5968 | - | - | - | - |
| 3LNE-05S3X | 5 | 125 | 175 | 1218 | 470 | - | - | 7057 | - | - | - |
| 3LNE-06L3X | 6 | 150 | 50 | 1900 | 757 | - | 6840 | - | - | - | - |
| 3LNE-06S3X | 6 | 150 | 175 | 1900 | 757 | - | - | 7158 | - | - | - |
| 3LNE-08L3X | 8 | 200 | 50 | 3765 | 1247 | - | - | 9802 | - | - | - |
| 3LNE-08S3X | 8 | 200 | 175 | 3765 | 1247 | - | - | - | 15109 | - | - |
| 3LNE-10L3X | 10 | 250 | 50 | 6661 | 2005 | - | - | - | 16379 | - | - |
| 3LNE-10S3X | 10 | 250 | 175 | 6661 | 2005 | - | - | - | 16379 | - | - |
| 3LNE-12L3X | 12 | 300 | 50 | 10066 | 2868 | - | - | - | 20254 | - | - |
| 3LNE-12S3X | 12 | 300 | 175 | 10066 | 2868 | - | - | - | - | 32492 | - |
| 3LNE-14L3X | 14 | 350 | 50 | 11598 | 3328 | - | - | - | - | 40080 | - |
| 3LNE-14S3X | 14 | 350 | 150 | 11598 | 3328 | - | - | - | - | - | 48709 |
| 3LNE-16L3X | 16 | 400 | 50 | 15395 | 4440 | - | - | - | - | - | 53891 |
| 3LNE-18L3X | 18 | 450 | 50 | 20120 | 5509 | - | - | - | - | - | 59499 |
| 3LNE-20L3X | 20 | 500 | 50 | 25329 | 7056 | - | - | - | - | - | 63223 |

Stainless Steel Disc

| 3-Way, Spring Return Pneumatic - Stainless Steel Disc | | | | | | | | | | | |
|---|------|-----|---------------|-------|------|---------|---------|---------|---------|---------|---------|
| Actuator Model Details | | | | | | 93-0835 | 93-0935 | 93-1195 | 93-1605 | 93-2105 | 93-2554 |
| Valve Model Details | Size | | Close-Off psi | Cv | | | | | | | |
| | In. | mm | | 90° | 60° | | | | | | |
| 3LSE-02S3X | 2 | 50 | 175 | 87 | 66 | 4738 | - | - | - | - | - |
| 3LSE-25S3X | 2.5 | 65 | 175 | 185 | 98 | 4756 | - | - | - | - | - |
| 3LSE-03S3X | 3 | 80 | 175 | 360 | 171 | 4940 | - | - | - | - | - |
| 3LSE-04L3X | 4 | 100 | 50 | 740 | 310 | 5732 | - | - | - | - | - |
| 3LSE-04S3X | 4 | 100 | 175 | 740 | 310 | - | 6074 | - | - | - | - |
| 3LSE-05L3X | 5 | 125 | 50 | 1218 | 470 | 5137 | - | - | - | - | - |
| 3LSE-05S3X | 5 | 125 | 175 | 1218 | 470 | - | - | 7580 | - | - | - |
| 3LSE-06L3X | 6 | 150 | 50 | 1900 | 757 | - | 7451 | - | - | - | - |
| 3LSE-06S3X | 6 | 150 | 175 | 1900 | 757 | - | - | 7785 | - | - | - |
| 3LSE-08L3X | 8 | 200 | 50 | 3765 | 1247 | - | - | 10843 | - | - | - |
| 3LSE-08S3X | 8 | 200 | 175 | 3765 | 1247 | - | - | - | 15666 | - | - |
| 3LSE-10L3X | 10 | 250 | 50 | 6661 | 2005 | - | - | - | 17467 | - | - |
| 3LSE-10S3X | 10 | 250 | 175 | 6661 | 2005 | - | - | - | 17467 | - | - |
| 3LSE-12L3X | 12 | 300 | 50 | 10066 | 2868 | - | - | - | 22426 | - | - |
| 3LSE-12S3X | 12 | 300 | 175 | 10066 | 2868 | - | - | - | - | 34663 | - |
| 3LSE-14S3X | 14 | 350 | 150 | 11598 | 3328 | - | - | - | - | - | 51661 |
| 3LSE-16S3X | 16 | 400 | 150 | 15395 | 4440 | - | - | - | - | - | 58499 |
| 3LSE-18S3X | 18 | 450 | 150 | 20120 | 5509 | - | - | - | - | - | 66561 |
| 3LSE-20S3X | 20 | 500 | 150 | 25329 | 7056 | - | - | - | - | - | 71747 |

Options/Adders
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 * For Manual Override, add "-5" to the end of the part number.
 For additional options and adders, see Pages 55 & 56.



2-Way

| 2-Way, On/Off or Floating - ANSI 150 | | | | | | | | | |
|--------------------------------------|------|-----|---------------|-----|-------------------|--------------|---------------|------------|------|
| Actuator Model Details | | | | | Non-Spring Return | | Spring Return | | |
| | | | | | DC24-310-T | DC24-310-T-D | DS24-180 | DS24-180-D | |
| Model Number | Size | | Close-Off psi | Cv | | Floating | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| MKL2-C025 | 2.5 | 65 | 285 | 160 | 78 | 3725 | - | 4087 | - |
| MKL2-C030 | 3 | 80 | | 185 | 123 | 3808 | - | - | 4848 |
| MKL2-C040 | 4 | 100 | | 375 | 250 | - | 4677 | - | 5337 |
| Adder -A | | | | | | 156 | 156 | 156 | 156 |
| Adder -WS | | | | | | 512 | 694 | 484 | 604 |

| 2-Way, Modulating - ANSI 150 | | | | | | | | | |
|------------------------------|------|-----|---------------|-----|-------------------|-------------|---------------|-------------|------|
| Actuator Model Details | | | | | Non-Spring Return | | Spring Return | | |
| | | | | | DCM24-310 | DCM24-310-D | DMS24-180 | DMS24-180-D | |
| Model Number | Size | | Close-Off psi | Cv | | Modulating | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| MKL2-C025 | 2.5 | 65 | 285 | 160 | 78 | 3820 | - | 4409 | - |
| MKL2-C030 | 3 | 80 | | 185 | 123 | 3903 | - | - | 5408 |
| MKL2-C040 | 4 | 100 | | 375 | 250 | - | 4817 | - | 5897 |
| Adder -A | | | | | | 156 | 155 | 156 | 156 |
| Adder -WS | | | | | | 512 | 694 | 484 | 604 |

3-Way

| 3-Way, On/Off or Floating - ANSI 150 | | | | | | | | | |
|--------------------------------------|------|-----|---------------|-----|-------------------|--------------|---------------|-----------|--|
| Actuator Model Details | | | | | Non-Spring Return | | Spring Return | | |
| | | | | | DC24-310-T | DC24-310-T-D | DS24-180-D | | |
| Model Number | Size | | Close-Off psi | Cv | | Floating | | On/Off | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| MKL3-x025 | 2.5 | 65 | 285 | 160 | 78 | 7930 | - | 8806 | |
| MKL3-x030 | 3 | 80 | | 185 | 123 | - | 8574 | 9096 | |
| MKL3-x040 | 4 | 100 | | 375 | 250 | - | 10203 | - | |
| Adder -A | | | | | | 156 | 156 | 156 | |
| Adder -WS | | | | | | 512 | 694 | 604 | |

| 3-Way, Modulating - ANSI 150 | | | | | | | | | |
|------------------------------|------|-----|---------------|-----|-------------------|-------------|---------------|-----------|--|
| Actuator Model Details | | | | | Non-Spring Return | | Spring Return | | |
| | | | | | DCM24-310 | DCM24-310-D | DMS24-180-D | | |
| Model Number | Size | | Close-Off psi | Cv | | Modulating | | | |
| | In. | mm | | 90° | 60° | 24 VAC | | 24 VAC/DC | |
| MKL3-x025 | 2.5 | 65 | 285 | 160 | 78 | 8025 | - | 9366 | |
| MKL3-x030 | 3 | 80 | | 185 | 123 | - | 8714 | 9656 | |
| MKL3-x040 | 4 | 100 | | 375 | 250 | - | 10343 | - | |
| Adder -A | | | | | | 156 | 155 | 156 | |
| Adder -WS | | | | | | 512 | 694 | 604 | |

Options/Adders
 For optional auxiliary switches, add -A to the end of the actuator part number.
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 Add a -WS at the end of the part # if a weather cover is needed.

For Spring Return Units:
 N = Normally Open
 C = Normally Closed - Factory default
 -D = Dual mounted actuators



MK Series Butterfly Valves 2-Way with Industrial Electric Actuators (ANSI 150)

On/Off

| 2-Way, 120 VAC, On/Off - ANSI 150 | | | | | | | | | | | |
|-----------------------------------|------|-----|-------|------|----------------------------------|----------------|-------|--|----------------|-------|---------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | On/Off 120 VAC | Price | Close-Off psi | On/Off 120 VAC | Price | H Adder |
| | In. | mm | 90° | 60° | | | | | | | |
| MKL2-C025 | 2.5 | 65 | 160 | 78 | 285 | 70-0081 | 6294 | 285 | 70-0081 | 6294 | 97 |
| MKL2-C030 | 3 | 80 | 185 | 123 | | 70-0081 | 6377 | | 70-0081 | 6377 | 97 |
| MKL2-C040 | 4 | 100 | 375 | 250 | | 70-0081 | 6866 | | 70-0081 | 6866 | 97 |
| MKL2-C050 | 5 | 125 | 790 | 360 | | 70-0121 | 8949 | | 70-0121 | 8949 | 98 |
| MKL2-C060 | 6 | 150 | 1350 | 510 | | 70-0121 | 9030 | | 70-0121 | 9030 | 98 |
| MKL2-C080 | 8 | 200 | 2800 | 1060 | | 70-0201 | 11366 | | 70-E301 | 13059 | 101 |
| MKL2-C100 | 10 | 250 | 4300 | 1630 | | 70-E301 | 14201 | | 70-0501 | 16255 | 99 |
| MKL2-C120 | 12 | 300 | 6650 | 2530 | | 70-0501 | 17399 | | 70-0651 | 17894 | 99 |
| MKL2-C140 | 14 | 350 | 7650 | 2900 | | 70-0651 | 22466 | | 70-1300 | 24197 | 98 |
| MKL2-C160 | 16 | 400 | 9800 | 3700 | | 70-1300 | 36708 | | 70-1800 | 38020 | 99 |
| MKL2-C180 | 18 | 450 | 10500 | 5100 | 70-1800 | 43246 | 250 | AU-2130* | 57075 | 99 | |
| MKL2-C200 | 20 | 500 | 13500 | 6500 | 200 | 70-1800 | 55371 | 200 | AU-2130* | 69486 | 99 |

| 2-Way, 24 VAC, On/Off - ANSI 150 | | | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----------------------------------|---------------|-------|--|---------------|-------|---------|-----------------------------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | On/Off 24 VAC | Price | Close-Off psi | On/Off 24 VAC | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | 90° | 60° | | | | | | | | |
| MKL2-C025 | 2.5 | 65 | 160 | 78 | 285 | 70-24-0081 | 6126 | 285 | 70-24-0081 | 6126 | 95 | 3474 |
| MKL2-C030 | 3 | 80 | 185 | 123 | | 70-24-0081 | 6209 | | 70-24-0081 | 6209 | 95 | 3474 |
| MKL2-C040 | 4 | 100 | 375 | 250 | | 70-24-0081 | 6698 | | 70-24-0081 | 6698 | 95 | 3474 |
| MKL2-C050 | 5 | 125 | 790 | 360 | | 70-24-0201 | 9335 | | 70-24-0201 | 9335 | 98 | 3579 |
| MKL2-C060 | 6 | 150 | 1350 | 510 | | 70-24-0201 | 9416 | | 70-24-0201 | 9416 | 98 | 3579 |
| MKL2-C080 | 8 | 200 | 2800 | 1060 | | 70-24-0201 | 11049 | | 70-24-0201 | 15114 | 98 | 3579 |
| MKL2-C100 | 10 | 250 | 4300 | 1630 | | 70-24-0501 | 16256 | | 70-24-0501 | 16256 | 99 | 3581 |
| MKL2-C120 | 12 | 300 | 6650 | 2530 | | 70-24-0501 | 17400 | | - | - | 99 | 3581 |

Modulating

| 2-Way, 120 VAC, Modulating - ANSI 150 | | | | | | | | | | | |
|---------------------------------------|------|-----|-------|------|----------------------------------|--------------------|-------|--|--------------------|-------|---------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | Modulating 120 VAC | Price | Close-Off psi | Modulating 120 VAC | Price | H Adder |
| | In. | mm | 90° | 60° | | | | | | | |
| MKL2-C025 | 2.5 | 65 | 160 | 78 | 285 | 70-0081SV | 8174 | 285 | 70-0081SV | 8174 | 95 |
| MKL2-C030 | 3 | 80 | 185 | 123 | | 70-0081SV | 8257 | | 70-0081SV | 8257 | 95 |
| MKL2-C040 | 4 | 100 | 375 | 250 | | 70-0081SV | 8746 | | 70-0081SV | 8746 | 95 |
| MKL2-C050 | 5 | 125 | 790 | 360 | | 70-0121SV | 10869 | | 70-0121SV | 10869 | 98 |
| MKL2-C060 | 6 | 150 | 1350 | 510 | | 70-0121SV | 10950 | | 70-0121SV | 10950 | 98 |
| MKL2-C080 | 8 | 200 | 2800 | 1060 | | 70-0201SV | 13289 | | 70-E301SV | 15192 | 99 |
| MKL2-C100 | 10 | 250 | 4300 | 1630 | | 70-E301SV | 16334 | | 70-0501SV | 18098 | 100 |
| MKL2-C120 | 12 | 300 | 6650 | 2530 | | 70-0501SV | 19242 | | 70-0651SV | 19734 | 99 |
| MKL2-C140 | 14 | 350 | 7650 | 2900 | | 70-0651SV | 24306 | | 70-1300SV | 26137 | 98 |
| MKL2-C160 | 16 | 400 | 9800 | 3700 | | 70-1300SV | 38648 | | 70-1800SV | 39626 | 99 |
| MKL2-C180 | 18 | 450 | 10500 | 5100 | 70-1800SV | 44852 | 250 | AU-2130SV* | 59116 | 63 | |
| MKL2-C200 | 20 | 500 | 13500 | 6500 | 200 | 70-1800SV | 56977 | 200 | AU-2130SV* | 71527 | 63 |

| 2-Way, 24 VAC, Modulating - ANSI 150 | | | | | | | | | | | | |
|--------------------------------------|------|-----|------|------|----------------------------------|-------------------|-------|--|-------------------|-------|---------|-----------------------------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | Modulating 24 VAC | Price | Close-Off psi | Modulating 24 VAC | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | 90° | 60° | | | | | | | | |
| MKL2-C025 | 2.5 | 65 | 160 | 78 | 285 | 70-24-0081SV | 8098 | 285 | 70-24-0081SV | 8098 | 97 | 3749 |
| MKL2-C030 | 3 | 80 | 185 | 123 | | 70-24-0081SV | 8181 | | 70-24-0081SV | 8181 | 97 | 3749 |
| MKL2-C040 | 4 | 100 | 375 | 250 | | 70-24-0081SV | 8670 | | 70-24-0081SV | 8670 | 97 | 3749 |
| MKL2-C050 | 5 | 125 | 790 | 360 | | 70-24-0201SV | 11366 | | 70-24-0201SV | 11366 | 97 | 3581 |
| MKL2-C060 | 6 | 150 | 1350 | 510 | | 70-24-0201SV | 11447 | | 70-24-0201SV | 11447 | 97 | 3581 |
| MKL2-C080 | 8 | 200 | 2800 | 1060 | | 70-24-0201SV | 13080 | | 70-24-0501SV | 17147 | 97 | 3581 |
| MKL2-C100 | 10 | 250 | 4300 | 1630 | | 70-24-0501SV | 18289 | | 70-24-0501SV | 18289 | 100 | 3581 |
| MKL2-C120 | 12 | 300 | 6650 | 2530 | | 70-24-0501SV | 19433 | | - | - | 100 | 3581 |

Options/Adders
 For Heater/Thermostat kit, add "H" to the end of the actuator part number
 *Heaters standard in AU-Series
 Upon Loss of Signal on Servo units:
 N = Normally Open (Reverse Acting)
 C = Normally Closed - Factory default

For Battery Back-Up Failsafe Option (BBU) option on 24 VAC actuators, add "-BBU".
 For Battery Back-Up Failsafe units:
 N = Normally Open
 C = Normally Closed - Factory default
 Note: The actuator sizes shown here are based on maximum valve pressure rating. Use "Seat Retainer Upstream" for Unidirectional Closeoff; Use Downstream for Bi-Directional Closeoff.
 For applications at lower pressure requirements, consult factory for smaller actuator choices.



MK Series Butterfly Valves 2-Way with Industrial Electric Actuators (ANSI 300)

On/Off

| 2-Way, 120 VAC, On/Off - ANSI 300 | | | | | | | | | | | |
|-----------------------------------|------|-----|-------|------|----------------------------------|----------|-------|--|----------|-------|----------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | On/Off | Price | Close-Off psi | On/Off | Price | H Adder |
| | In. | mm | 90° | 60° | | 120 VAC | | | 120 VAC | | |
| MKL2-C253 | 2.5 | 65 | 160 | 78 | 740 | 70-0081 | 6377 | 550 | 70-0081 | 6377 | 97 |
| MKL2-C033 | 3 | 80 | 185 | 123 | 740 | 70-0081 | 7030 | 550 | 70-0081 | 7030 | 97 |
| MKL2-C043 | 4 | 100 | 375 | 250 | 550 | 70-0081 | 8581 | 350 | 70-0081 | 8581 | 97 |
| MKL2-C053 | 5 | 125 | 790 | 360 | 350 | 70-0121 | 10663 | 550 | 70-0201 | 11366 | 98 |
| MKL2-C063 | 6 | 150 | 1000 | 530 | 550 | 70-0201 | 11529 | 350 | 70-0201 | 11529 | 101 |
| MKL2-C083 | 8 | 200 | 2000 | 950 | 350 | 70-E301 | 13385 | 550 | 70-0501 | 15439 | 99 |
| MKL2-C103 | 10 | 250 | 2650 | 1200 | 350 | 70-0501 | 23441 | 350 | 70-0651 | 23936 | 99 |
| MKL2-C123 | 12 | 300 | 4000 | 1690 | 740 | 70-1300 | 28607 | 550 | 70-1300 | 28607 | 99 |
| MKL2-C143 | 14 | 350 | 4100 | 1770 | 350 | 70-1300 | 37526 | 350 | 70-1800 | 38838 | 99 |
| MKL2-C163 | 16 | 400 | 7800 | 2970 | 350 | 70-1800 | 53210 | 740 | AU-4068* | 74348 | 99 |
| MKL2-C183 | 18 | 450 | 9500 | 4530 | 740 | AU-4068* | 76142 | 550 | AU-4068* | 76142 | included |
| MKL2-C203 | 20 | 500 | 11000 | 5400 | 550 | AU-4068* | 84796 | 350 | AU-4068* | 84796 | included |

| 2-Way, 24 VAC, On/Off - ANSI 300 | | | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----------------------------------|------------|-------|--|------------|-------|---------|-----------------------------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | On/Off | Price | Close-Off psi | On/Off | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | 90° | 60° | | 24 VAC | | | 24 VAC | | | |
| MKL2-C253 | 2.5 | 65 | 160 | 78 | 740 | 70-24-0081 | 6209 | 550 | 70-24-0081 | 6209 | 95 | 3474 |
| MKL2-C033 | 3 | 80 | 185 | 123 | 740 | 70-24-0081 | 6862 | 550 | 70-24-0081 | 6862 | 95 | 3474 |
| MKL2-C043 | 4 | 100 | 375 | 250 | 550 | 70-24-0081 | 8413 | 350 | 70-24-0081 | 8413 | 95 | 3474 |
| MKL2-C053 | 5 | 125 | 790 | 360 | 350 | 70-24-0201 | 11049 | 550 | 70-24-0201 | 11049 | 98 | 3579 |
| MKL2-C063 | 6 | 150 | 1000 | 530 | 550 | 70-24-0201 | 11212 | 350 | 70-24-0201 | 11212 | 98 | 3579 |
| MKL2-C083 | 8 | 200 | 2000 | 950 | 350 | 70-24-0501 | 15440 | 550 | 70-24-0501 | 15440 | 99 | 3581 |
| MKL2-C103 | 10 | 250 | 2650 | 1200 | 350 | 70-24-0501 | 23442 | - | - | - | 99 | 3581 |

Modulating

| 2-Way, 120 VAC, Modulating - ANSI 300 | | | | | | | | | | | |
|---------------------------------------|------|-----|-------|------|--|------------|-------|--|------------|-------|----------|
| Actuator Model Details | | | | | Series 70 & AU Series Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | Modulating | Price | Close-Off psi | Modulating | Price | H Adder |
| | In. | mm | 90° | 60° | | 120 VAC | | | 120 VAC | | |
| MKL2-C253 | 2.5 | 65 | 160 | 78 | 740 | 70-0081SV | 8257 | 550 | 70-0081SV | 8257 | 95 |
| MKL2-C033 | 3 | 80 | 185 | 123 | 740 | 70-0081SV | 8910 | 550 | 70-0081SV | 8910 | 95 |
| MKL2-C043 | 4 | 100 | 375 | 250 | 550 | 70-0081SV | 10461 | 350 | 70-0081SV | 10461 | 95 |
| MKL2-C053 | 5 | 125 | 790 | 360 | 350 | 70-0121SV | 12583 | 550 | 70-0201SV | 13289 | 98 |
| MKL2-C063 | 6 | 150 | 1000 | 530 | 550 | 70-0201SV | 13452 | 350 | 70-0201SV | 13452 | 99 |
| MKL2-C083 | 8 | 200 | 2000 | 950 | 350 | 70-E301SV | 15518 | 550 | 70-0501SV | 17282 | 100 |
| MKL2-C103 | 10 | 250 | 2650 | 1200 | 350 | 70-0501SV | 25284 | 350 | 70-0651SV | 25776 | 99 |
| MKL2-C123 | 12 | 300 | 4000 | 1690 | 740 | 70-1300SV | 30547 | 550 | 70-1300SV | 30547 | 99 |
| MKL2-C143 | 14 | 350 | 4100 | 1770 | 350 | 70-1300SV | 39466 | 350 | 70-1800SV | 40444 | 99 |
| MKL2-C163 | 16 | 400 | 7800 | 2970 | 350 | 70-1800SV | 54816 | 740 | AU-4068SV* | 76390 | 99 |
| MKL2-C183 | 18 | 450 | 9500 | 4530 | 740 | AU-4068SV* | 78184 | 550 | AU-4068SV* | 78184 | included |
| MKL2-C203 | 20 | 500 | 11000 | 5400 | 550 | AU-4068SV* | 86838 | 350 | AU-4068SV* | 86838 | included |

| 2-Way, 24 VAC, Modulating - ANSI 300 | | | | | | | | | | | | |
|--------------------------------------|------|-----|------|------|----------------------------------|--------------|-------|--|--------------|-------|---------|-----------------------------|
| Actuator Model Details | | | | | Series 70 Seat Retainer UPSTREAM | | | Series 70 & AU Series Seat Retainer DOWNSTREAM | | | | |
| Valve Model Details | Size | | Cv | | Close-Off psi | Modulating | Price | Close-Off psi | Modulating | Price | H Adder | -BBU Adder (24V Units Only) |
| | In. | mm | 90° | 60° | | 24 VAC | | | 24 VAC | | | |
| MKL2-C253 | 2.5 | 65 | 160 | 78 | 740 | 70-24-0081SV | 8181 | 550 | 70-24-0081SV | 8181 | 97 | 3749 |
| MKL2-C033 | 3 | 80 | 185 | 123 | 740 | 70-24-0081SV | 8834 | 550 | 70-24-0081SV | 8834 | 97 | 3749 |
| MKL2-C043 | 4 | 100 | 375 | 250 | 550 | 70-24-0081SV | 10385 | 350 | 70-24-0081SV | 10385 | 97 | 3749 |
| MKL2-C053 | 5 | 125 | 790 | 360 | 350 | 70-24-0201SV | 13080 | 550 | 70-24-0201SV | 13080 | 97 | 3581 |
| MKL2-C063 | 6 | 150 | 1000 | 530 | 550 | 70-24-0201SV | 13243 | 350 | 70-24-0201SV | 13243 | 97 | 3581 |
| MKL2-C083 | 8 | 200 | 2000 | 950 | 350 | 70-24-0501SV | 17473 | 550 | 70-24-0501SV | 17473 | 100 | 3581 |
| MKL2-C103 | 10 | 250 | 2650 | 1200 | 350 | 70-24-0501SV | 25475 | - | - | - | 100 | 3581 |

Options/Adders
 For Heater/Thermostat kit, add "H" to the end of the actuator part number
 *Heaters standard in AU-Series
 Upon Loss of Signal on Servo units:
 N = Normally Open (Reverse Acting)
 C = Normally Closed - Factory default

For Battery Back-Up Failsafe Option (BBU) option on 24 VAC actuators, add "-BBU".
 For Battery Back-Up Failsafe units:
 N = Normally Open
 C = Normally Closed - Factory default
 Note: The actuator sizes shown here are based on maximum valve pressure rating. Use "Seat Retainer Upstream for Unidirectional Closeoff; Use Downstream for Bi-Directional Closeoff.
 For applications at lower pressure requirements, consult factory for smaller actuator choices.

PRICING - High Performance Butterfly Valves - 2-Way



MK Series Butterfly Valves 3-Way with Industrial Electric Actuators (ANSI 150)

PRICING - High Performance Butterfly Valves - 3-Way

| 3-Way, 24 VAC & 120 VAC, On/Off - ANSI 150 | | | | | | | | | | | | | |
|--|------|-----|---------------|-------------------|------|------------------|-------|-------------------|-------|----------|-----------------------------|----------|-------|
| Actuator Model Details | | | | Series 70 120 VAC | | Series 70 24 VAC | | AU-Series 120 VAC | | H Adder | -BBU Adder (24V Units Only) | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | Price | Model # | Price | | | Model # | Price |
| | In. | mm | | 90° | 60° | | | | | | | | |
| MKL3-X025 | 2.5 | 65 | 250 | 160 | 78 | 70-0081 | 10800 | 70-24-0081 | 10632 | - | - | 95 | 3474 |
| MKL3-X030 | 3 | 80 | | 185 | 123 | 70-0081 | 11090 | 70-24-0081 | 10922 | - | - | 95 | 3474 |
| MKL3-X040 | 4 | 100 | | 375 | 250 | 70-0121 | 14726 | 70-24-0201 | 15112 | - | - | 98 | 3579 |
| MKL3-X050 | 5 | 125 | | 790 | 360 | 70-0121 | 14926 | 70-24-0201 | 15312 | - | - | 98 | 3579 |
| MKL3-X060 | 6 | 150 | | 1350 | 510 | 70-0121 | 15299 | 70-24-0201 | 15685 | - | - | 98 | 3579 |
| MKL3-X080 | 8 | 200 | | 2800 | 1060 | 70-0201 | 19350 | 70-24-0201 | 19033 | - | - | 98 | 3579 |
| MKL3-X100 | 10 | 250 | | 4300 | 1630 | 70-0501 | 25479 | 70-24-0501 | 25480 | - | - | 99 | 3581 |
| MKL3-X120 | 12 | 300 | | 6650 | 2530 | 70-0651 | 28916 | - | - | - | - | 98 | - |
| MKL3-X140 | 14 | 350 | | 7650 | 2900 | 70-1300 | 50670 | - | - | - | - | 99 | - |
| MKL3-X160 | 16 | 400 | | 9800 | 3700 | - | - | - | - | AU-2130* | 91042 | Included | - |
| MKL3-X180 | 18 | 450 | | 10500 | 5100 | - | - | - | - | AU-4068* | 108639 | Included | - |
| MKL3-X200 | 20 | 500 | | 13500 | 6500 | - | - | - | - | AU-4068* | 134930 | Included | - |

| 3-Way, 24 VAC & 120 VAC, Modulating - ANSI 150 | | | | | | | | | | | | | |
|--|------|-----|---------------|-------------------|------|------------------|-------|-------------------|-------|------------|-----------------------------|----------|-------|
| Actuator Model Details | | | | Series 70 120 VAC | | Series 70 24 VAC | | AU-Series 120 VAC | | H Adder | -BBU Adder (24V Units Only) | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | Price | Model # | Price | | | Model # | Price |
| | In. | mm | | 90° | 60° | | | | | | | | |
| MKL3-X025 | 2.5 | 65 | 250 | 160 | 78 | 70-0081SV | 12680 | 70-24-0081SV | 12604 | - | - | 97 | 3749 |
| MKL3-X030 | 3 | 80 | | 185 | 123 | 70-0081SV | 12970 | 70-24-0081SV | 12894 | - | - | 97 | 3749 |
| MKL3-X040 | 4 | 100 | | 375 | 250 | 70-0121SV | 16646 | 70-24-0201SV | 17143 | - | - | 97 | 3581 |
| MKL3-X050 | 5 | 125 | | 790 | 360 | 70-0121SV | 16846 | 70-24-0201SV | 17343 | - | - | 97 | 3581 |
| MKL3-X060 | 6 | 150 | | 1350 | 510 | 70-0121SV | 17219 | 70-24-0201SV | 17716 | - | - | 97 | 3581 |
| MKL3-X080 | 8 | 200 | | 2800 | 1060 | 70-0201SV | 21273 | 70-24-0201SV | 21064 | - | - | 97 | 3581 |
| MKL3-X100 | 10 | 250 | | 4300 | 1630 | 70-0501SV | 27322 | 70-24-0501SV | 27513 | - | - | 100 | 3581 |
| MKL3-X120 | 12 | 300 | | 6650 | 2530 | 70-0651SV | 30756 | - | - | - | - | 98 | - |
| MKL3-X140 | 14 | 350 | | 7650 | 2900 | 70-1300SV | 52610 | - | - | - | - | 99 | - |
| MKL3-X160 | 16 | 400 | | 9800 | 3700 | - | - | - | - | AU-2130SV* | 93083 | Included | - |
| MKL3-X180 | 18 | 450 | | 10500 | 5100 | - | - | - | - | AU-4068SV* | 110681 | Included | - |
| MKL3-X200 | 20 | 500 | | 13500 | 6500 | - | - | - | - | AU-4068SV* | 136972 | Included | - |

Options/Adders

X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)
 For Heater/Thermostat kit, add "H" to the end of the actuator part number
 *Heaters standard in AU-Series
 For Battery Back-Up Failsafe Option (BBU) on 24 VAC actuators, add "-BBU" to the end of the part number.



MK Series Butterfly Valves 2-Way with Double Acting Pneumatic Actuators (ANSI 150 & 300)

| 2-Way, Double Acting Pneumatic - ANSI 150 | | | | | | | | | | |
|---|------|-----|---------------|-------|----------------------------------|---------|------------------------------------|---------|----------------------------|-------|
| Actuator Model Details | | | | | Series 92 Seat Retainer UPSTREAM | | Series 92 Seat Retainer DOWNSTREAM | | Adder for Manual Override* | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | Price | Model # | | Price |
| | In. | mm | | 90° | 60° | | | | | |
| MKL2-C025 | 2.5 | 65 | 285 | 160 | 78 | S92-83 | 3072 | S92-83 | 3072 | 1081 |
| MKL2-C030 | 3 | 80 | | 185 | 123 | S92-83 | 3219 | S92-83 | 3219 | 1081 |
| MKL2-C040 | 4 | 100 | | 375 | 250 | S92-83 | 3548 | S92-83 | 3548 | 1081 |
| MKL2-C050 | 5 | 125 | | 790 | 360 | S92-93 | 4844 | S92-119 | 5307 | 1081 |
| MKL2-C060 | 6 | 150 | | 1350 | 510 | S92-93 | 4960 | S92-119 | 5428 | 1597 |
| MKL2-C080 | 8 | 200 | | 2800 | 1060 | S92-119 | 7372 | S92-119 | 7372 | 1597 |
| MKL2-C100 | 10 | 250 | | 4300 | 1630 | S92-128 | 12887 | S92-160 | 13875 | 1597 |
| MKL2-C120 | 12 | 300 | | 6650 | 2530 | S92-160 | 16265 | S92-210 | 20600 | 1597 |
| MKL2-C140 | 14 | 350 | | 7650 | 2900 | S92-210 | 25958 | S92-210 | 25958 | 2210 |
| MKL2-C160 | 16 | 400 | | 9800 | 3700 | S92-210 | 32788 | S92-255 | 42053 | 2932 |
| MKL2-C180 | 18 | 450 | | 10500 | 5100 | S92-255 | 50491 | S92-255 | 50491 | 2932 |
| MKL2-C200 | 20 | 500 | | 13500 | 6500 | S92-255 | 61445 | S92-255 | 61445 | 2932 |

| 2-Way, Double Acting Pneumatic - ANSI 300 | | | | | | | | | | |
|---|------|-----|---------------|------|----------------------------------|---------|------------------------------------|-----------------|----------------------------|-------|
| Actuator Model Details | | | | | Series 92 Seat Retainer UPSTREAM | | Series 92 Seat Retainer DOWNSTREAM | | Adder for Manual Override* | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | Price | Model # | | Price |
| | In. | mm | | 90° | 60° | | | | | |
| MKL2-C253 | 2.5 | 65 | 740 | 160 | 78 | S92-83 | 3118 | S92-83 | 3118 | 1081 |
| MKL2-C033 | 3 | 80 | | 185 | 123 | S92-83 | 4326 | S92-93 | 4455 | 1081 |
| MKL2-C043 | 4 | 100 | | 375 | 250 | S92-83 | 5218 | S92-93 | 5347 | 1081 |
| MKL2-C053 | 5 | 125 | | 790 | 360 | S92-119 | 6936 | S92-128 | 7233 | 1081 |
| MKL2-C063 | 6 | 150 | | 1000 | 530 | S92-119 | 10047 | S92-160 | 11285 | 1597 |
| MKL2-C083 | 8 | 200 | | 2000 | 950 | S92-160 | 14469 | S92-160 | 14469 | 1597 |
| MKL2-C103 | 10 | 250 | | 2650 | 1200 | S92-210 | 23639 | S92-210 | 23639 | 1597 |
| MKL2-C123 | 12 | 300 | | 4000 | 1690 | S92-210 | 24662 | S92-255 | 34676 | 2932 |
| MKL2-C143 | 14 | 350 | | 4100 | 1770 | S92-255 | 43912 | S92-255 | 43912 | 2932 |
| MKL2-C163 | 16 | 400 | | 7800 | 2970 | S92-255 | 52200 | Consult Factory | | 2932 |

Options/Adders

* For Manual Override, add "-5" to the end of the part number.
 * Manual overrides sized for seat retainer upstream. For seat retainer downstream, consult factory.
 For additional options and adders, see Pages 55 & 56.

Note

The actuator sizes shown here are based on maximum valve pressure rating.
 Use "Seat Retainer Upstream for Unidirectional Close off; Use Downstream for Bi-Directional Close Off
 For applications at lower pressure requirements, consult factory for smaller actuator choices.



MK Series Butterfly Valves 2-Way with Spring Return Actuators (ANSI 150 & 300)

PRICING - High Performance Butterfly Valves - 2-Way

| 2-Way, Spring Return - ANSI 150 | | | | | | | | | | | | | | |
|---------------------------------|------|-----|---------------|----------------------------------|------|----------------------|-------|------------------------------------|-------|----------------------|-------|----------------------------|------------------------|-------|
| Actuator Model Details | | | | Series 93 Seat Retainer UPSTREAM | | | | Series 93 Seat Retainer DOWNSTREAM | | | | Adder for Manual Override* | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Normally Open (N.O.) | | Normally Closed (N.C.) | | Normally Open (N.O.) | | | Normally Closed (N.C.) | |
| | In. | mm | | 90° | 60° | Model # | Price | Model # | Price | Model # | Price | | Model # | Price |
| MKL2-C025 | 2.5 | 65 | 285 | 160 | 78 | 93-833 | 3234 | 93-834 | 3281 | 93-834 | 3281 | 93-835 | 3341 | 1081 |
| MKL2-C030 | 3 | 80 | | 185 | 123 | 93-833 | 3380 | 93-834 | 3426 | 93-834 | 3427 | 93-836 | 3548 | 1081 |
| MKL2-C040 | 4 | 100 | | 375 | 250 | 93-834 | 3800 | 93-836 | 3894 | 93-934 | 3952 | 93-936 | 4003 | 1081 |
| MKL2-C050 | 5 | 125 | | 790 | 360 | 93-1193 | 5601 | 93-1194 | 5688 | 93-1283 | 5832 | 93-1196 | 5875 | 1081 |
| MKL2-C060 | 6 | 150 | | 1350 | 510 | 93-1193 | 5729 | 93-1195 | 5902 | 93-1283 | 5960 | 93-1285 | 6288 | 1597 |
| MKL2-C080 | 8 | 200 | | 2800 | 1060 | 93-1602 | 8877 | 93-1604 | 9125 | 93-1603 | 9001 | 93-1605 | 9249 | 1597 |
| MKL2-C100 | 10 | 250 | | 4300 | 1630 | 93-2102 | 19153 | 93-2103 | 19401 | 93-2103 | 19401 | 93-2105 | 20019 | 1597 |
| MKL2-C120 | 12 | 300 | | 6650 | 2530 | 93-2103 | 22048 | 93-2105 | 22543 | 93-2552 | 34017 | 93-2553 | 34624 | 2932 |
| MKL2-C140 | 14 | 350 | | 7650 | 2900 | 93-2552 | 40730 | 93-2553 | 41338 | 93-2553 | 41339 | 93-2555 | 44548 | 2932 |
| MKL2-C160 | 16 | 400 | | 9800 | 3700 | 93-2553 | 49703 | 93-2555 | 50915 | Contact Bray | | | | 2932 |

| 2-Way, Spring Return - ANSI 300 | | | | | | | | | | | | | | |
|---------------------------------|------|-----|---------------|----------------------------------|------|----------------------|-------|------------------------------------|-------|----------------------|-------|----------------------------|------------------------|-------|
| Actuator Model Details | | | | Series 93 Seat Retainer UPSTREAM | | | | Series 93 Seat Retainer DOWNSTREAM | | | | Adder for Manual Override* | | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Normally Open (N.O.) | | Normally Closed (N.C.) | | Normally Open (N.O.) | | | Normally Closed (N.C.) | |
| | In. | mm | | 90° | 60° | Model # | Price | Model # | Price | Model # | Price | | Model # | Price |
| MKL2-C253 | 2.5 | 65 | 740 | 160 | 78 | 93-934 | 3494 | 93-1193 | 3985 | 93-1193 | 3984 | 93-1194 | 4043 | 1081 |
| MKL2-C033 | 3 | 80 | | 185 | 123 | 93-934 | 4697 | 93-1193 | 5189 | 93-1193 | 5189 | 93-1194 | 5247 | 1081 |
| MKL2-C043 | 4 | 100 | | 375 | 250 | 93-1193 | 6060 | 93-1194 | 6142 | 93-1283 | 6278 | 93-1196 | 6253 | 1081 |
| MKL2-C053 | 5 | 125 | | 790 | 360 | 93-1603 | 8479 | 93-1604 | 8596 | 93-1604 | 8597 | 93-1606 | 8830 | 1081 |
| MKL2-C063 | 6 | 150 | | 1000 | 530 | 93-1603 | 15686 | 93-1605 | 15920 | 93-2102 | 16364 | 93-2104 | 16836 | 1597 |
| MKL2-C083 | 8 | 200 | | 2000 | 950 | 93-2103 | 19788 | 93-2104 | 20024 | 93-2104 | 20024 | 93-2106 | 20615 | 1597 |
| MKL2-C103 | 10 | 250 | | 2650 | 1200 | 93-2552 | 36342 | 93-2553 | 36920 | 93-2553 | 36921 | 93-2555 | 39982 | 2932 |
| MKL2-C123 | 12 | 300 | | 4000 | 1690 | 93-2553 | 58458 | 93-2555 | 59613 | Contact Bray | | | | 2932 |

Options/Adders
 * For Manual Override, add "-5" to the end of the part number.
 * Manual overrides sized for seat retainer upstream. For seat retainer downstream, consult factory.
 For additional options and adders, see Pages 55 & 56.
 For Spring Return Units:
 N = Normally Open
 C = Normally Closed - Factory default

Note
 The actuator sizes shown here are based on maximum valve pressure rating.
 Use "Seat Retainer Upstream for Unidirectional Close off; Use Downstream for Bi-Directional Close off
 For applications at lower pressure requirements, consult factory for smaller actuator choices.



| 3-Way, Double Acting Pneumatic - ANSI 150 | | | | | | | | |
|---|------|-----|---------------|-------|-------------------------|---------|----------------------------|-------|
| Actuator Model Details | | | | | Series 92 Double Acting | | Adder for Manual Override* | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | | Price |
| | In. | mm | | 90° | 60° | | | |
| MKL3-x025 | 2.5 | 65 | 250 | 160 | 78 | S92-083 | 6555 | 1081 |
| MKL3-x030 | 3 | 80 | | 185 | 123 | S92-083 | 6922 | 1081 |
| MKL3-x040 | 4 | 100 | | 375 | 250 | S92-083 | 8012 | 1081 |
| MKL3-x050 | 5 | 125 | | 790 | 360 | S92-119 | 11393 | 1081 |
| MKL3-x060 | 6 | 150 | | 1350 | 510 | S92-119 | 11626 | 1597 |
| MKL3-x080 | 8 | 200 | | 2800 | 1060 | S92-128 | 16969 | 1597 |
| MKL3-x100 | 10 | 250 | | 4300 | 1630 | S92-160 | 30472 | 1597 |
| MKL3-x120 | 12 | 300 | | 6650 | 2530 | S92-210 | 41218 | 1597 |
| MKL3-x140 | 14 | 350 | | 7650 | 2900 | S92-210 | 62727 | 2210 |
| MKL3-x160 | 16 | 400 | | 9800 | 3700 | S92-255 | 76617 | 2932 |
| MKL3-x180 | 18 | 450 | | 10500 | 5100 | S92-255 | 90669 | 2932 |
| MKL3-x200 | 20 | 500 | | 13500 | 6500 | S92-255 | 114495 | 2932 |

| 3-Way, Spring Return Pneumatic - ANSI 150 | | | | | | | | |
|---|------|-----|---------------|-------|-------------------------|-----------------|----------------------------|-------|
| Actuator Model Details | | | | | Series 93 Spring Return | | Adder for Manual Override* | |
| Valve Model Details | Size | | Close-Off psi | Cv | | Model # | | Price |
| | In. | mm | | 90° | 60° | | | |
| MKL3-x025 | 2.5 | 65 | 250 | 160 | 78 | S93-934 | 6920 | 1081 |
| MKL3-x030 | 3 | 80 | | 185 | 123 | S93-934 | 7287 | 1081 |
| MKL3-x040 | 4 | 100 | | 375 | 250 | S93-1193 | 8893 | 1081 |
| MKL3-x050 | 5 | 125 | | 790 | 360 | S93-1284 | 12153 | 1081 |
| MKL3-x060 | 6 | 150 | | 1350 | 510 | S93-1603 | 13270 | 1597 |
| MKL3-x080 | 8 | 200 | | 2800 | 1060 | S93-2103 | 23727 | 1597 |
| MKL3-x100 | 10 | 250 | | 4300 | 1630 | S93-2552 | 43890 | 2932 |
| MKL3-x120 | 12 | 300 | | 6650 | 2530 | S93-2553 | 50474 | 2932 |
| MKL3-x140 | 14 | 350 | | 7650 | 2900 | S93-2553 | 68483 | 2932 |
| MKL3-x160 | 16 | 400 | | 9800 | 3700 | Consult Factory | | |
| MKL3-x180 | 18 | 450 | | 10500 | 5100 | Consult Factory | | |
| MKL3-x200 | 20 | 500 | | 13500 | 6500 | Consult Factory | | |

Options/Adders

X = 3-Way Assemblies (Refer to Configuration Chart, Page 62)

* For Manual Override, add "-5" to the end of the part number.

* Manual overrides sized for seat retainer upstream. For seat retainer downstream, consult factory.

For additional options and adders, see Pages 55 & 56.



Electric Damper Actuators - Non-Spring Return

| Electric Damper Actuators - Non Spring-Return | | | | | | | | | | | | | |
|---|-----------|--------|----------------|----------|------------|----------|--------------------|------------------------|-------------------------|-------------------------|-------------------------------|------------|------|
| Model Number | Voltage | Torque | On/Off | Floating | Modulating | Time Out | Auxiliary Switches | Exposed Terminal Block | Enclosed Terminal Block | Conduit NPT(N) FLEX (F) | Cable Plenum (P) Standard (S) | List Price | |
| D24-35-T-TS | 24 VAC | 35 | X ¹ | X | | | | X | | | - | 215 | |
| D24-35-TP | | | X ¹ | X | | | | | | | P | 237 | |
| DM24-35-TS | | | | | X | | | | X | | | - | 385 |
| DM24-35 | | | | | X | | | | | | | P | 382 |
| DC24-44-TP | 24 VAC | 44 | | X | | | | | | 3/8 F | P | 198 | |
| DC24-44-TPTO | 24 VAC/DC | | X | X | | X | | | | 3/8 F | P | 265 | |
| DC24-44-TAP | 24 VAC | | | X | | | X | | | | P | 418 | |
| DCM24-44-P | 24 VAC/DC | | | | X | X | | | | 3/8 F | P | 323 | |
| DCM24-44-AP | | | | | X | X | X | | | | P | 528 | |
| D24-70 | 24 VAC/DC | 70 | X | X | | X | | | X | 1/2 N | - | 390 | |
| D24-70-A | | | X | X | | X | X | | X | 1/2 N | - | 550 | |
| DM24-70 | | | | | X | | | | | X | 1/2 N | - | 512 |
| DM24-70-A | | | | | X | | | X | | X | 1/2 N | - | 672 |
| DC24-88-TP | 24 VAC | 88 | | X | | | | | | 3/8 F | P | 480 | |
| DC24-88-TAP | 24 VAC/DC | | X | X | | X | X | | | | P | 641 | |
| DCM24-88-P | | | | | X | X | | | | 3/8 F | P | 502 | |
| DCM24-88-AP | | | | | X | X | X | | | | P | 661 | |
| D24-140 | 24 VAC/DC | 140 | X | X | | X | | | X | 1/2 N | - | 452 | |
| D24-140-A | | | X | X | | X | X | | X | 1/2 N | - | 612 | |
| DM24-140 | | | | | X | | | | | X | 1/2 N | - | 719 |
| DM24-140-A | | | | | X | | | X | | X | 1/2 N | - | 879 |
| DC24-180-T | 24 VAC/DC | 180 | X | X | | X | | | | | S | 535 | |
| DCM24-180 | | | | | X | X | | | | | S | 677 | |
| D24-210 | 24 VAC/DC | 210 | X | X | | X | | | X | 1/2 N | - | 637 | |
| D24-210-A | | | X | X | | X | X | | X | 1/2 N | - | 797 | |
| DM24-210 | | | | | X | | | | | X | 1/2 N | - | 823 |
| DM24-210-A | | | | | X | | | X | | X | 1/2 N | - | 983 |
| D24-280 | 24 VAC/DC | 280 | X | X | | X | | | X | 1/2 N | - | 806 | |
| D24-280-A | | | X | X | | X | X | | X | 1/2 N | - | 966 | |
| DM24-280 | | | | | X | | | | | X | 1/2 N | - | 905 |
| DM24-280-A | | | | | X | | | X | | X | 1/2 N | - | 1065 |
| DC24-310-T | 24 VAC | 310 | | X | | | | | | 3/8 F | S | 705 | |
| DC24-310-TA | | | | X | | | X | | | 3/8 F | S | 861 | |
| DCM24-310 | | | | | X | | | | | | 3/8 F | S | 800 |
| DCM24-310-A | | | | | X | | | X | | | 3/8 F | S | 956 |

Options

¹ Relay Required for On/Off Control



Electric Damper Actuators - Spring Return

| Electric Damper Actuators - Spring-Return | | | | | | | | | | |
|---|-----------|--------|-------------|----------|------------|--------------------|-------------------------|-------------------------------|------------|------|
| Model Number | Voltage | Torque | On/Off | Floating | Modulating | Auxiliary Switches | Conduit NPT(N) FLEX (F) | Cable Plenum (P) Standard (S) | List Price | |
| DCS24-20-P | 24 VAC/DC | 20 | X | | | | 1/2 N | P | 385 | |
| DCS24-20-AP | | | X | | | X | | P | 604 | |
| DCMS24-20-P | | | | | | X | | | P | 598 |
| DS24-27 | 24 VAC/DC | 27 | X | | | | 1/2 N | S | 411 | |
| DS24-27-A | | | X | | | X | 1/2 N | S | 571 | |
| DS24-27-T | | | X | X | | | 1/2 N | P | 611 | |
| DMS24-27 | | | | | X | | 1/2 N | P | 648 | |
| DMS24-27-A | | | | | X | | X | 1/2 N | S | 804 |
| DSU20-27 | | | 120/240 VAC | X | | | | 1/2 N | S | 525 |
| DSU20-27-A | X | | | | X | 1/2 N | S | 687 | | |
| DCS24-62-P | 24 VAC/DC | 62 | X | | | | 1/2 N | P | 436 | |
| DCS24-62-A | | | X | | | X | 1/2 N | S | 600 | |
| DCS24-62-AP | | | X | | | X | 1/2 N | P | 669 | |
| DCMS24-62-P | | | | | X | | 1/2 N | P | 622 | |
| DCMS24-62-A | | | | | X | | X | 1/2 N | S | 777 |
| DCS120-62 | 120 VAC | X | | | | 1/2 N | S | 490 | | |
| DCS120-62-A | | X | | | X | 1/2 N | S | 646 | | |
| DS24-70 | 24 VAC/DC | 70 | X | | | | 3/8 F ¹ | S | 640 | |
| DS24-70-A | | | X | | | X | 3/8 F ¹ | S | 800 | |
| DS24-70-T | | | X | X | | | 3/8 F ¹ | S | 669 | |
| DS24-70-TA | | | X | X | | X | 3/8 F ¹ | S | 829 | |
| DMS24-70 | | | | | X | | 3/8 F ¹ | S | 822 | |
| DMS24-70-A | | | | | X | | X | 3/8 F ¹ | S | 982 |
| DS120-70 | | | 120 VAC | X | | | | 3/8 F ¹ | S | 665 |
| DS120-70-A | X | | | | X | 3/8 F ¹ | S | 823 | | |
| DCS24-140 | 24 VAC/DC | 160 | X | | | | 3/8 F | S | 799 | |
| DCS24-140-A | | | X | | | X | 3/8 F | S | 959 | |
| DCMS24-140 | | | | | X | | 3/8 F | S | 995 | |
| DCMS24-140-A | | | | | X | | X | 3/8 F | S | 1155 |
| DCS120-140 | 120 VAC | X | | | | 3/8 F | S | 841 | | |
| DCS120-140-A | | X | | | X | 3/8 F | S | 1001 | | |
| DS24-180 | 24 VAC/DC | 180 | X | | | | 3/8 F ¹ | S | 903 | |
| DS24-180-A | | | X | | | X | 3/8 F ¹ | S | 1059 | |
| DS24-180-T | | | X | X | | | 3/8 F ¹ | S | 1015 | |
| DS24-180-TA | | | X | X | | X | 3/8 F ¹ | S | 1171 | |
| DMS24-180 | | | | | X | | 3/8 F ¹ | S | 1225 | |
| DMS24-180-A | | | | | X | | X | 3/8 F ¹ | S | 1381 |
| DS120-180 | | | 120 VAC | X | | | | 3/8 F ¹ | S | 1027 |
| DS120-180-A | X | | | | X | 3/8 F ¹ | S | 1182 | | |

Options

¹ To convert to a 1/2" NPT conduit connection fittings with part numbers M9104-100E and 985-008 will be required



Electric ST2 Actuators - Spring Return & Non-Spring Return

| Electric ST2 Actuators - Non Spring-Return | | | | | | | | | | |
|--|-----------|--------|----------------|----------|------------|----------|--------------------|-------------------------|-------------------------------|------------|
| Model Number | Voltage | Torque | On/Off | Floating | Modulating | Time Out | Auxiliary Switches | Conduit NPT(N) FLEX (F) | Cable Plenum (P) Standard (S) | List Price |
| VA24-35-P | 24 VAC | 35 | X ² | X | | | | 3/8 F ¹ | P | 234 |
| VA24-35-PTO | | | X | X | | | X | 3/8 F ¹ | P | 302 |
| VAM24-35-P | | | | | | X | | | 3/8 F ¹ | P |
| VAM24-90-P | 24 VAC/DC | 88 | X | X | X | X | X | 1/2 N ³ | P | 393 |
| VAM24-90-P-A | | | X | X | X | X | X | 1/2 N ³ | P | 553 |

| Electric ST2 Actuators - Spring-Return | | | | | | | | | |
|--|-------------|--------|--------|----------|------------|--------------------|--------------------------------------|--------------------|--------------------|
| Model Number | Voltage | Torque | On/Off | Floating | Modulating | Auxiliary Switches | Conduit NPT(N) FLEX (F) ¹ | List Price | |
| VAS24-27 | 24 VAC/DC | 27 | X | | | | 1/2 N | 467 | |
| VAS24-27-A | | | X | | | X | 1/2 N | 634 | |
| VAS24-27-T | | | X | X | | | 1/2 N | 552 | |
| VAMS24-27 | | | | | | | X | 1/2 N | 658 |
| VAMS24-27-A | | | | | | | X | X | 1/2 N |
| VASU20-27 | 120/240 VAC | 27 | X | | | | 1/2 N | 523 | |
| VASU20-27-A | | | X | | | X | 1/2 N | 683 | |
| VAS24-70 | 24 VAC/DC | 70 | X | | | | 3/8 F ¹ | 603 | |
| VAS24-70-A | | | X | | | X | 3/8 F ¹ | 763 | |
| VAS24-70-T | | | X | X | | | 3/8 F ¹ | 728 | |
| VAS24-70-T-A | | | X | X | | | X | 3/8 F ¹ | 890 |
| VAMS24-70 | | | | | | | X | 3/8 F ¹ | 816 |
| VAMS24-70-A | | | | | | | X | X | 3/8 F ¹ |
| VAS120-70 | 120 VAC | 70 | X | | | | 3/8 F ¹ | 648 | |
| VAS120-70-A | | | X | | | X | 3/8 F ¹ | 808 | |

Options

¹ To convert to a 1/2" NPT conduit connection fittings with part numbers M9104-100E and 985-008 will be required

² Relay Required for On/Off Control

³ 1/2" N Conduit Connection fittings optional with part number M9300-100E



| Series 92/93 High Pressure Pneumatic Actuators | | |
|--|--|--|
| Model Number | Description | Price |
| 92-063 | Double Acting-Pneumatic rack and pinion actuator | 815 |
| 92-083 | | 1065 |
| 92-093 | | 1333 |
| 92-119 | | 1909 |
| 92-128 | | 2274 |
| 92-160 | | 3810 |
| 92-210 | | 6318 |
| 92-255 | | 14658 |
| 93-634 | | Spring Return-Pneumatic rack and pinion actuator |
| 93-834 | 1994 | |
| 93-934 | 2423 | |
| 93-1194 | 3063 | |
| 93-1284 | 3615 | |
| 93-1604 | 5256 | |
| 93-2104 | 8073 | |
| 93-2554 | 19583 | |

Assembly Adders



| 5A Status Monitor (SPDT Auxiliary Switch) | | |
|--|------------|-------|
| Model No. | P/N Suffix | Price |
| 5A | SW | 720 |



| VP200 Pneumatic Positioner (Gauges- 2 ea. 0-160 PSI & 1ea. 0-30 PSI) | | |
|--|------------|-------|
| Model No. | P/N Suffix | Price |
| V200P | P | 2646 |



| Solenoid Air Valve | | | |
|--------------------|---------|------------|-------|
| Model No. | Voltage | P/N Suffix | Price |
| S63 Single Coil | 24 VAC | S4 | 447 |
| S63 Single Coil | 120 VAC | S | |



| S 6A Electro-Pneumatic Positioner (Shown with optional gauges) | | |
|---|------------|-------|
| Model No. | P/N Suffix | Price |
| S 6A | EP | 4561 |



| Speed Controls | |
|----------------|-------|
| P/N Suffix | Price |
| C | 154 |

Note
To order these accessories factory mounted, add the P/N suffix to the end of the actuator part number, and add the list price shown.

EXAMPLE: MKL2-C030/93-834-EPFSG
(6A with feedback, switch and gauges)



Accessories for Pneumatic Actuators

| High Pressure Pneumatic Actuator Accessories | | | |
|--|--------------------------|--|-------|
| Model Number | Adder to Valve Assembly | Description | Price |
| 63125A-214105P4 | add -S4 | S63 Single coil solenoid, 24 VAC for electric On/Off control of S92/93 actuators | 447 |
| 63125A-214115P4 | add -S | S63 Single coil solenoid, 110 VAC for electric On/Off control of S92/93 actuators | 447 |
| 63125A-214145P4 | add -S4D | S63 Single coil solenoid, 24 VDC for electric On/Off control of S92/93 actuators | 447 |
| Contact Bray | add -DS4(24) or -DS(120) | S63 Double coil solenoid, 24 or 110 VAC for electric On/Off control of S92/93 actuators | - |
| 5A0000-126A2536 | replacement | 5A Status Monitor (Mounting Kit Not Included) | 578 |
| 5B0000-22600534 | | 5A Mounting Kit- Non-Adjustable For S98 & S92/93 Actuators - Sizes 063 - 128 | 58 |
| 5B0000-22601534 | | 5A Mounting Kit- Adjustable For S98 & S92, 93 Actuators - Sizes 063 - 255 | 105 |
| 6A6DR5-0200NN005KAO | replacement | S6A Double-Acting Electro-pneumatic positioner 4-20 mA | 4518 |
| 6A6DR5-0100NN005KAO | replacement | S6A Single-Acting Electro-pneumatic positioner, 4-20 mA, | 4518 |
| 6A6DR4-0046K | add -S | S6A Optional mechanical switch | 1539 |
| 6A6DR4-0046J | add -F | S6A Optional position feedback module | 1599 |
| 6A0250-22701536 | add -G | S6A Single-Acting Optional gauge block assembly | 242 |
| 6A0250-22702536 | add -G | S6A Double-Acting Optional gauge block assembly | 271 |
| 6A0630-24610536 | | S6A Mounting kit, S92/93 sizes 63-128 | 299 |
| 6A1600-24610536 | | S6A Mounting kit, S92/93 sizes 160-255 | 375 |
| 551000-74603533 | add -FR | S55 Bray Filter Regulator S92/93 Actuators | 388 |
| V200P | replacement | Pneumatic Positioner 3-15 PSI S92/93 Actuators- Includes Gauges- 2 ea. 0-160 psi & 1ea. 0-30 psi | 2639 |
| V200-MTG-1 | | V200P Mounting kit, S92/93 sizes 63-127 | 231 |
| V200-MTG-2 | | V200P Mounting kit, S92/93 sizes 160-255 | 299 |
| V200M | add -S | V200P Optional Mechanical Switch Kit | 889 |
| V200MA | add -F | V200P Optional 4-20mA Position Feedback Module | 1552 |
| V200B | add -B | V200P Beacon Indicator | 192 |
| V200G30 | replacement | V200P Guage 0-30 psi | 45 |
| V200G160 | replacement | V200P Guage 0-160 psi | 45 |



Series 70 Industrial Electric Actuator, 120 VAC - On/Off

| Model Number | Description | Price |
|--------------|---|-------|
| 70-0081H | 120 VAC, Two position, 800 lb-in., NEMA 4, Heater | 3672 |
| 70-0121H | 120 VAC, Two position, 1200 lb-in., NEMA 4, Heater | 5680 |
| 70-0201H | 120 VAC, Two position, 2000 lb-in., NEMA 4, Heater | 6386 |
| 70-E301H | 120 VAC, Two position, 3000 lb-in., NEMA 4, Heater | 8077 |
| 70-0501H | 120 VAC, Two position, 5000 lb-in., NEMA 4, Heater | 10066 |
| 70-0651H | 120 VAC, Two position, 6500 lb-in., NEMA 4, Heater | 10560 |
| 70-1300H | 120 VAC, Two position, 13000 lb-in., NEMA 4, Heater | 12229 |
| 70-1800H | 120 VAC, Two position, 18000 lb-in., NEMA 4, Heater | 13541 |

Series 70 Industrial Electric Actuator, 120 VAC - Modulating

| Model Number | Description | Price |
|--------------|---|-------|
| 70-0081SVH | 120 VAC, Modulating, 800 lb-in., NEMA 4, Heater | 5550 |
| 70-0121SVH | 120 VAC, Modulating, 1200 lb-in., NEMA 4, Heater | 7600 |
| 70-0201SVH | 120 VAC, Modulating, 2000 lb-in., NEMA 4, Heater | 8307 |
| 70-E301SVH | 120 VAC, Modulating, 3000 lb-in., NEMA 4, Heater | 10211 |
| 70-0501SVH | 120 VAC, Modulating, 5000 lb-in., NEMA 4, Heater | 11909 |
| 70-0651SVH | 120 VAC, Modulating, 6500 lb-in., NEMA 4, Heater | 12400 |
| 70-1300SVH | 120 VAC, Modulating, 13000 lb-in., NEMA 4, Heater | 14169 |
| 70-1800SVH | 120 VAC, Modulating, 18000 lb-in., NEMA 4, Heater | 15147 |

Series 70 Industrial Electric Actuator, 24 VAC & 24 VAC/DC - On/Off

| Model Number | Description | Price |
|--------------|--|-------|
| 70-24-0081H | 24 VAC/DC, Two position, 800 lb-in., NEMA 4, Heater | 3502 |
| 70-24-0201H | 24 VAC/DC, Two position, 2000 lb-in., NEMA 4, Heater | 6066 |
| 70-24-0501H | 24 VAC, Two position, 5000 lb-in., NEMA 4, Heater | 10067 |

Series 70 Industrial Electric Actuator, 24 VAC/DC - Modulating

| Model Number | Description | Price |
|---------------|--|-------|
| 70-24-0081SVH | 24 VAC/DC, Modulating, 800 lb-in., NEMA 4, Heater | 5476 |
| 70-24-0201SVH | 24 VAC/DC, Modulating, 2000 lb-in., NEMA 4, Heater | 8096 |
| 70-24-0501SVH | 24 VAC/DC, Modulating, 5000 lb-in., NEMA 4, Heater | 12101 |

Series 70 Industrial Electric Actuator, 24 VAC/30 VDC - On/Off with Battery Backup Unit

| Model Number | Description | Price |
|-----------------|---|-------|
| 70-24-0081H-BBU | 24 VAC/30 VDC, Two position, 800 lb-in., NEMA 4, Heater, & Battery Back Unit | 6976 |
| 70-24-0201H-BBU | 24 VAC/30 VDC, Two position, 2000 lb-in., NEMA 4, Heater, & Battery Back Unit | 9645 |
| 70-24-0501H-BBU | 24 VAC/30 VDC, Two position, 5000 lb-in., NEMA 4, Heater, & Battery Back Unit | 13648 |

Series 70 Industrial Electric Actuator, 24 VAC/30 VDC - Modulating with Battery Backup Unit

| Model Number | Description | Price |
|-------------------|---|-------|
| 70-24-0081SVH-BBU | 24 VAC/30 VDC, Modulating, 800 lb-in., NEMA 4, Heater, & Battery Back Unit | 9225 |
| 70-24-0201SVH-BBU | 24 VAC/30 VDC, Modulating, 2000 lb-in., NEMA 4, Heater, & Battery Back Unit | 11677 |
| 70-24-0501SVH-BBU | 24 VAC/30 VDC, Modulating, 5000 lb-in., NEMA 4, Heater, & Battery Back Unit | 15682 |



Series 70/AU Series Industrial Electric Actuators and Accessories

Battery Backup Unit Retrofit - Unmounted Price does NOT include Servo. For Servo's rated Rev. J or later

| Model Number | Description | Price |
|--------------|---|-------|
| BBU-24-MOD | 24 VAC, Two Position or Modulating, 800 - 5000 lb-in., NEMA 4 | 3581 |

Series 70 Battery Backup Unit Replacement Battery

| Model Number | Description | Price |
|--------------|--|-------|
| BBU-24-BAT | 24 VAC, SLA (Sealed Lead Acid) Power Sonic PS1212 or Equal. Set of Two | 477 |

Series 70 Industrial Electric Actuator, 24 VAC & 24 VAC/DC - On/Off Kits

| Model Number | Description | Price |
|--|--|-------|
| 700006-22950536 | 120 VAC Heater, helps prevent condensation build up - *recommended for outdoor use | 99 |
| 700006-22951536 | 24 VAC Heater, helps prevent condensation build up - *recommended for outdoor use | 99 |
| 70A012-22920536 | 120 VAC Servo NXT Kit S70 actuators 70-0081 to 70-0651 | 2554 |
| *For Servo Pro kits for 70-0061 units manufactured prior to 7/2017, contact Bray | | |
| 70A180-22920536 | 120 VAC Servo NXT Kit for 70-1300 & 70-1800 S70 actuators | 2554 |
| 700000-77664536 | 120/230 VAC Servo NXT, UL Board Only | 2423 |
| 70A012-22922536 | 24 VAC Servo NXT Kit S70 actuators 70-24-0081 (new round dome models only), 70-24-0201 & 70-24-0501 | 2426 |
| 700000-77641536 | 24 VAC Servo NXT Board Only | 2298 |
| 700000-22952536 | 24 VAC On/Off CONTROLLER KIT 800 to 2K in/lb Units | 1215 |
| 700000-77629536 | 24 VAC On/Off CONTROLLER Board Only- 800 to 2K in/lb Units | 1149 |
| S70-5P-KIT | S70 Turk 5 PIN Cordset | 750 |
| 700000-12410536 | Control Station for manual local electrical operation of S70 actuators W/SERVO 110V (Non-Keyed) ** For all others please contact factory | 2095 |



AU Series Industrial Electric Actuators

| Model Number | Description | Price |
|--------------|---|-------|
| AU-2130 | 120 VAC, On/Off, 21300 lb-in., NEMA 4 | 26538 |
| AU-4068 | 120 VAC, On/Off, 40680 lb-in., NEMA 4 | 29600 |
| AU-7080 | 120 VAC, On/Off, 70800 lb-in., NEMA 4 | 36744 |
| AU-2130SV | 120 VAC, Modulating, 21300 lb-in., NEMA 4 | 28579 |
| AU-4068SV | 120 VAC, Modulating, 40680 lb-in., NEMA 4 | 31642 |
| AU-7080SV | 120 VAC, Modulating, 70800 lb-in., NEMA 4 | 38786 |

Note
AU actuators do NOT include bushing. For retrofit application contact Bray for required bushing.



Linear PIC and Globe Valve Electric Actuators & Accessories - GA(S), VAL & PA(M) Series

| GA Series - Non-Fail Safe or Non-Spring Return Electric Actuators | | | | | | | | | | | |
|---|-----------|------------|----------------|-----------------|---------------|-----------------|---------------|---------------|-------|----------|----------|
| Model Number | Voltage | Force lbs. | Control Signal | Stall Detection | Aux. Switches | Conduit Adapter | NEMA 2 (IP54) | NEMA 1 (IP20) | Price | -A Adder | -H Adder |
| GA24-67 | 24 VAC | 67 | Floating | X | - | X | X | - | 654 | - | - |
| GAM24-67 | 24 VAC/DC | 67 | Modulating | | - | | X | - | 804 | - | - |
| GA24-225 | 24 VAC | 225 | Floating | | X | | - | X | 876 | 869 | 1153 |
| GAM24-225 | 24 VAC | 225 | Modulating | | X | | - | X | 1008 | 433 | 1153 |

| GA(S) Series - Fail Safe or Spring Return Electric Actuators | | | | | | | | | | | |
|--|-----------|------------|----------------|-----------------|---------------|-----------------|---------------|---------------|-------|----------|----------|
| Model Number | Voltage | Force lbs. | Control Signal | Stall Detection | Aux. Switches | Conduit Adapter | NEMA 2 (IP54) | NEMA 1 (IP20) | Price | -A Adder | -H Adder |
| GA24-67-FS | 24 VAC | 67 | Floating | X | - | X | X | - | 895 | - | - |
| GAM24-67-FS | 24 VAC/DC | 67 | Modulating | | - | | X | - | 1011 | - | - |
| GAS24-225 | 24 VAC | 225 | Floating | | X | | - | X | 1296 | 869 | 1153 |
| GAMS24-225 | 24 VAC | 225 | Modulating | | X | | - | X | 1422 | 433 | 1153 |

Options/Adders
 For optional auxiliary switches on the GA225 actuators, add -A to the end of the actuator part number, and add appropriate adder to the list price.
 For optional Stem Heater on the GA225 actuator, add -H to the end of the actuator part number, and add appropriate adder to the list price.

| GA(S) Series Linear Electric Actuators | | | | | | | | | | | |
|--|-------------------|-----------|------------|-------------------------------|----------|---------------|-------------------------|---------------|-------|----------|-----------|
| Model Number | | Voltage | Force lbs. | Control Signal | Time Out | Aux. Switches | Enclosed Terminal Block | NEMA 4 (IP66) | Price | -A Adder | -HT Adder |
| GA24-562 | Non-Spring Return | 24 VAC/DC | 562 | On/Off, Floating & Modulating | X | X | X | X | 2163 | 390 | 246 |
| GASRE24-450 | Spring Return | | 450 | | | | | | 2838 | | |
| GASEX24-450 | | | | | | | | | | | |

Options/Adders
 For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
 For optional high temperature kit (media temperatures 266°F to 464°F) on the GA actuator, add -HT to the end of the actuator part number.

| GA(S) Series Mounting Kits for PIC Valves | | | |
|---|---------------------|-------------------|-------|
| Model Number | Applicable Actuator | Applicable Valves | Price |
| SS-MTG-150/PA100 | PAM24-110 | SSM 1.5" & 2" | 550 |
| SSM-MTG-1/GA | GA & GAS | SSM 2.5" & 3" | 426 |
| SSM-MTG-2/GA | GA & GAS | GA-SSM 4" to 12" | 426 |
| | | GAS-SSM 4" to 8" | |



| VAL Series Spring Return Linear Electric Actuators | | | | | | | | |
|--|---------------|---------|------------|----------------|------------------------|-------------------------|----------------|-------|
| Model Number | | Voltage | Force lbs. | Control Signal | Applicable Valves | Enclosed Terminal Block | NEMA 1* (IP66) | Price |
| VAL-SRS07P | Spring Return | 24 VAC | 1000 | Modulating | 2.5" - 3" Globe Valves | X | X | 3811 |
| VAL-SRS15P | | | | | 4" - 6" Globe Valves | | | 4701 |



| PA(M) Series Non-Fail Safe Actuators | | | | | | |
|--------------------------------------|-----------|------------|-------------------------------|--------------|-------|--|
| Model Number | Voltage | Force lbs. | Control Signal | Cable Wiring | Price | |
| PA24-27 | 24 VAC/DC | 27 | On/Off & Floating | X | 312 | |
| PAM24-27 | | 27 | Modulating | | 400 | |
| PAM24-100 | | 100 | On/Off, Floating & Modulating | | 774 | |
| PAM24-112 | | 112 | | | 1189 | |

| PA(M) Series Fail Safe Actuators | | | | | | |
|----------------------------------|-----------|------------|-------------------------------|--------------|-------|--|
| Model Number | Voltage | Force lbs. | Control Signal | Cable Wiring | Price | |
| PA24-27-FS | 24 VAC/DC | 27 | On/Off & Floating | X | 632 | |
| PAM24-27-FS | | 27 | Modulating | | 669 | |
| PAM24-100-FS | | 100 | On/Off, Floating & Modulating | | 1062 | |



Butterfly & Globe Valve Retrofit Kits with Commercial & Industrial Electric Actuators

| 2-Way Butterfly Valve Retrofit Kits | |
|-------------------------------------|-------|
| Size | Price |
| 2" thru 6" | 934 |
| 8" thru 12" | 878 |
| 14" thru 16" | 2552 |

| 3-Way Butterfly Valve Retrofit Kits | |
|-------------------------------------|-------|
| Size | Price |
| 2" thru 6" | 3741 |
| 8" thru 12" | 4844 |
| 14" thru 16" | 6387 |

Notes:
 Butterfly retrofit kits include couples/brackets/adapters as required.
 3-way kits also include the master/slave linkage components.
 The actuator cost is not included in the above kit prices.
 Consult factory for actuator sizing for the make/model/size of the valve to be retrofitted. They will provide correct kit part No.
 Consult factory for lead time.



| Retrofits for Globe Valves | | | | | | | |
|---|---------|----------------|------------|---|-----|---|---|
| Existing Valve Manufacturer | | Retrofit Kit # | Valve Size | | | | |
| | | | 2.5 | 3 | 4 | 5 | 6 |
| Bray DG Series/Siemens/Landis/Staefa 599 Series | | GRK-BRA-1 | 339 | | - | - | - |
| | | GRK-BRA-2 | - | - | 411 | | |
| Honeywell | V5011 | GRK-HON-1 | 575 | | | | |
| | V5013 | GRK-HON-2 | | | | | |
| Johnson Controls | VG2000 | GRK-JCI | 632 | | | | |
| | VG7000 | GRK-JCI-1 | 607 | | | | |
| Schneider | VB-8000 | GRK-SCH-2 | 607 | | | | |
| | VB-9313 | | | | | | |

Notes:
 The actuator cost is not included in the above kit prices.

GA(S) Series Industrial Electric Actuators

| Model Number | | Voltage | Force lbs. | Control Signal | Control Signal | Time Out | Aux. Switches | Enclosed Terminal Block | NEMA 4 (IP66) | Price | -A Adder | -HT Adder |
|--------------|-------------------|---------|------------|----------------------------|----------------|----------|---------------|-------------------------|---------------|-------|----------|-----------|
| GA24-562 | Non-Spring Return | 24 VAC | 562 | On/Off Floating Modulating | X | X | X | X | X | 2163 | 390 | 246 |
| GASRE24-450 | | | 450 | | | | | | | 2838 | | |
| GASEX24-450 | Spring Return | | | | | | | | | | | |

Options/Adders
 For optional auxiliary switches on the GA actuator, add -A to the end of the actuator part number.
 For optional high temperature kit (media temperatures 266°F to 464°F) on the GA actuator, add -HT to the end of the actuator part number.

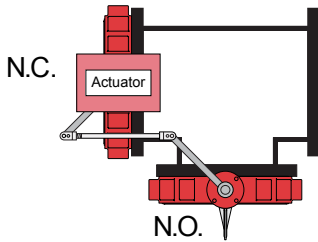


| Large Weather Shields for D-Series on Ball Valves and Butterfly Valves | | |
|---|---|--------------|
| Model Number | Description - Actuators Covered | Price |
| WS-B-S180 | DS-180 | 484 |
| WS-B-S180-T | Tandem DS-180 | 604 |
| WS-B-280 | D-140, D-210, and D-280 | 481 |
| BF-BKT-L3 | Required for Assembly | 50 |
| WS-B-280-T | Tandem D-140, D-210, and D-280 | 604 |
| BF-BKT-L1 | Required for Assembly | 50 |
| WS-B-310 | DC-310 | 512 |
| WS-B-310-T | Tandem DC-310 | 694 |
| M9000-342 | ST2 Direct Mount (VA Series) Actuators- NEMA 4, 4X | 1370 |

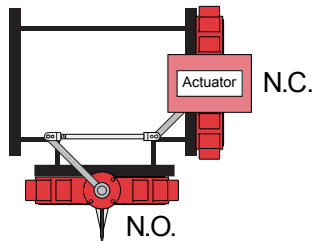
| Weather Covers for PIC and Globe Valve Actuators | | |
|---|--|--------------|
| Model Number | Description - Actuators Covered | Price |
| WS-PA27 | PA27 | 648 |
| WS-PA100 | PA100/PA112 | 656 |
| WS-GA450/562 | GA450/562 | 806 |

Spring Return and Non-Spring Return

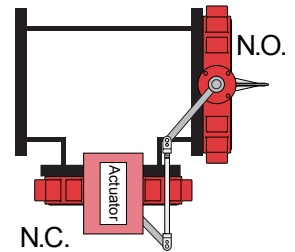
Configuration 1



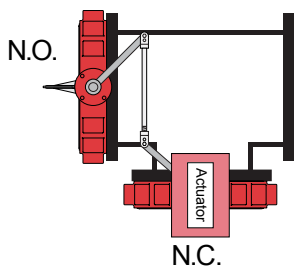
Configuration 2



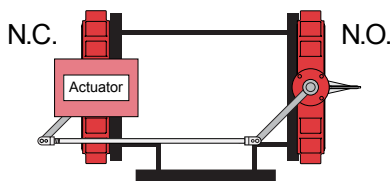
Configuration 3



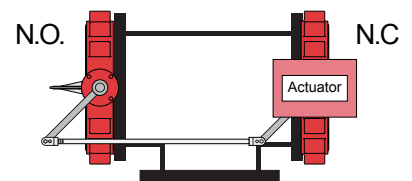
Configuration 4



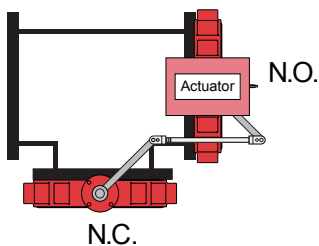
Configuration 5



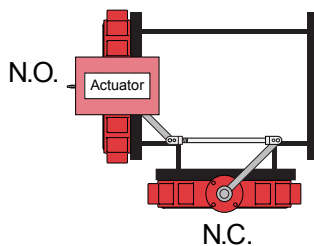
Configuration 6



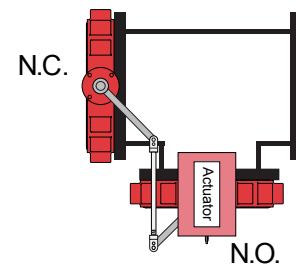
Configuration 7



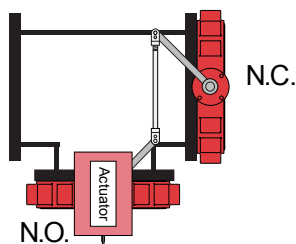
Configuration 8



Configuration 9



Configuration 10
(PN placeholder is O)



Note: All 3-Way butterfly valve assembly orders should have configuration specified. Pricing remains the same, however Bray must know the specifications in order to manufacture the appropriate linkage kit.

Note: 3-Way assemblies with low-pressure pneumatic actuators (D-Series) are limited to arrangements: 1, 2, 7, and 8.

Note: Unless otherwise requested valve will be shipped as illustrated by Configuration 3.

Terms and Conditions of Sale

1. APPLICABILITY.

These terms and conditions of sale (these "Terms") are the only terms which govern the sale of the products ("Products") by Bray International, Inc. and its subsidiaries, branches and divisions (as applicable, "Bray" or "Seller") to a purchaser of Products ("Buyer") from Bray. Notwithstanding anything herein to the contrary, if a written contract signed by Bray and a Buyer covers the sale of Products covered hereby, the terms and conditions of such contract shall prevail to the extent they are inconsistent with these Terms. References to (i) "Bray factory" are to the applicable Bray national or regional headquarters of Seller in the country where the order is received and (ii) "dollars" or "\$" are to United States dollars unless specified otherwise.

2. ENTIRE AGREEMENT.

These Terms and the quotation (the "Quotation") which they accompany (collectively, the "Agreement") comprise the entire agreement between Bray and Buyer relating to the Products that are the subject of such Quotation, and supersede all prior or contemporaneous understandings, agreements, negotiations, representations and warranties and communications, both written and oral. These Terms prevail over any of Buyer's general terms and conditions of purchase regardless of whether or when Buyer submitted its purchase order or such terms. Buyer's acceptance of the Quotation is expressly limited to these Terms, and Bray objects to, and is not bound by, any terms or conditions that differ from, add to, or modify these Terms. Fulfillment of Buyer's order does not constitute acceptance of any of Buyer's terms and conditions and does not serve to modify or amend these Terms. Notwithstanding anything to the contrary in these Terms or any Agreement, Bray shall not be obligated to make, or otherwise fulfill the terms of, any sale of Products to Buyer in an order amount less than Two Hundred and Fifty Dollars (\$250).

3. QUOTATIONS.

Unless stated otherwise in writing by Seller, all Quotations made by Seller are for immediate acceptance. Seller reserves the right to withdraw and/or revise any Quotation at any time prior to final acceptance by Buyer.

4. PRICE.

Buyer shall purchase the Products from Seller at the prices (the "Prices") set forth in Seller's published price list in force as of the date Buyer's order is received by Bray. All Prices (and any applicable discounts) for Products are subject to change without notice. Any order that is delayed for delivery at Buyer's request or is otherwise scheduled to be made in excess of one hundred twenty (120) days from the order date will be invoiced at published list prices and discounts effective at the time of shipment unless otherwise specifically agreed at the time of Seller's order acceptance. Any extra expenses incurred by Seller, such as engineering, tagging, taxes, service calls, export crating or other expenses, will be added to the invoice after notification to Buyer of the extra costs.

5. TAXES. Prices are exclusive of all sales, use and excise taxes, and any other similar taxes, duties, fees and charges of any kind imposed by any governmental authority (including those arising from changes in laws or regulations affecting foreign exchange) on any amounts payable by Buyer. Buyer shall be responsible for all such charges, costs and taxes, and if payable or paid by Seller, then added to the Price.

6. PAYMENT TERMS.

A. All invoices for domestic (U.S.) Buyers will be due net thirty (30) days from date of invoice unless otherwise stated by Seller. All invoices for international (non-U.S.) Buyers will require confirmed, irrevocable letters of credit due upon delivery to freight forwarder at its United States port for shipment, unless otherwise agreed by Seller. Seller reserves the right (including if it determines subsequently that Buyer's financial condition becomes unsatisfactory to Seller) to (i) require payment on "cash in advance" basis, (ii) require a confirmed, irrevocable letter of credit or other acceptable security (including preservation of any lien rights) before shipment, or (iii) cancel shipment at any time prior to delivery of the Products (without further obligation or liability on Seller's part). In such cases, an order will be considered valid only upon receipt of any such advance payment or provision of security. Credit terms are provided solely at the discretion of Seller and may be denied for any reason by Seller.

B. Buyer shall pay interest on all late payments at the lesser of: (i) the rate of two percent (2%) per month and (ii) the highest rate permissible under applicable law. Buyer shall reimburse Seller for all costs incurred in collecting any late payments, including, without limitation, attorney fees and court costs. In addition to all other remedies available under these Terms or at law (which are not waived by Seller's exercise of any rights hereunder), Seller shall be entitled to suspend the delivery of any Products if Buyer fails to pay any amounts when due hereunder.

C. Buyer shall not withhold or delay payment of any amounts due and payable by reason of any set-off of any claim, counterclaim, abatement, delay of customer payment or dispute with Seller, whether relating to Seller's breach, bankruptcy or otherwise.

7. CREDIT.

Shipments and deliveries of Products to Buyer shall remain at all times subject to the approval of Seller's credit department. Seller, in addition to any other rights and remedies, may, at its option, decline to make shipments or deliveries hereunder except upon receipt of payment or satisfactory security or otherwise upon terms and conditions satisfactory to Seller. Should Seller elect to extend credit to Buyer, Seller may limit or deny further extensions of credit in Seller's sole discretion. Any extension of open payment terms by Seller is dependent on Buyer's ongoing ability to support its working capital requirements for its business.

8. DELIVERY.

A. The Products will be delivered within a reasonable time after the receipt of Buyer's order. Delivery dates are approximate and are dependent upon prompt receipt of all necessary Buyer-furnished information and materials (if applicable). Penalty fees/liquidated damages that may be associated with any late delivery will not apply unless mutually agreed in writing at the time of order acknowledgement.

B. Unless otherwise agreed in writing by the parties, Seller shall make the Products available at the Bray factory (the "Delivery Point"). The title to and risk of loss for Products passes to Buyer upon signing of the bill of lading by the transportation company (which signifies the delivery of the Products to the transportation company for shipment to Buyer). Buyer shall be responsible for all loading costs and provide equipment and labor reasonably suited for receipt of the Products at the Delivery Point.

C. All Prices are quoted ExWorks (EXW) Bray factory or such other place that Seller shall designate on the Quotation. Seller does not insure shipments beyond the Delivery Point and,

Sales Policy

therefore, all claims of lost or damaged Products in transit must be filed directly with the transportation company by Buyer. Seller shall select the method of shipment and the carrier for the Products. Seller may ship via the Buyer's choice if routing is satisfactory and rates equal to or less than Seller's normal choice. In the case of higher than normal special shipping requirements, Seller will ship the Products at Buyer's expense (including a handling fee or collect basis) and Buyer will not receive any credit for freight charges that under normal circumstances would be incurred by Seller. There may be only one destination per order. D. Bray's standard document package will be provided—please see associated Quotation for details on what is included in document package for associated Product(s); document package will be delivered via electronic delivery (additional charges may apply if hard copy is required).

E. If for any reason Buyer fails to accept delivery of Products on the date fixed pursuant to Seller's notice to Buyer that the Products are being made available for delivery at the Delivery Point: (i) risk of loss to the Products shall pass to Buyer, (ii) the Products shall be deemed to have been delivered and accepted by Buyer and (iii) Seller, at its option, may store the Products until Buyer picks them up, whereupon Buyer shall be liable for all related costs and expenses (including, without limitation, storage and insurance). Any failure of Buyer to provide appropriate instructions, documents, licenses or authorizations in connection with delivery of Products shall be deemed to be a failure of Buyer to accept delivery of Products at such time as such Products are otherwise available for delivery. Any orders held by Seller more than thirty (30) days may be treated as a cancelled and the Products deemed returned.

9. INSPECTION AND REJECTION OF NONCONFORMING PRODUCTS.

A. Buyer shall inspect the Products within ten (10) days of receipt ("Inspection Period"). Buyer will be deemed to have accepted the Products unless it notifies Seller in writing of any Nonconforming Products during the Inspection Period and furnishes such written evidence or other documentation as reasonably required by Seller. "Nonconforming Products" means that the Products shipped are different than those identified in Buyer's purchase order.

B. If Buyer timely notifies Seller of any Nonconforming Products during the Inspection Period, Seller shall, in its sole discretion, (i) replace such Nonconforming Products with conforming Products, or (ii) credit or refund the Price for such Nonconforming Products, together with any reasonable shipping and handling expenses incurred by Buyer in connection therewith. Buyer shall ship, at its expense and risk of loss, the Nonconforming Products to the Bray factory or such other place that Seller shall designate on the Quotation. Upon Seller's confirmation of the nonconforming nature of the Nonconforming Products, Seller shall credit the Buyer's expense for such shipment against the Buyer's payment obligations to Seller. If Seller exercises its option to replace such Nonconforming Products, Seller shall, after receiving Buyer's shipment of returned Nonconforming Products, ship to Buyer the replaced Products and the terms of Section 8(B) shall apply for such replaced Products, except that Seller shall be responsible for the costs and expenses for such shipment.

C. Buyer acknowledges and agrees that the remedies set forth in Section 9(B) (exercised in accordance with these Terms) are Buyer's exclusive remedies for the delivery of Nonconforming Products.

10. CHANGE ORDER / CANCELLATIONS.

Orders received and accepted by Seller may not be changed or cancelled except on terms satisfactory to Seller and which prevent Seller from incurring any loss. Seller will not accept changes or cancellations of Products, whether standard, non-standard or special, without full reimbursement of all related expenses in-

curred to date. Buyer must request all cancellations and change orders in writing, and must be signed by an authorized representative of Seller to be effective. Any changes or cancellations of Projects will be subject to appropriate changes in discounts, freight costs and other charges to Buyer.

11. LIMITED WARRANTY.

A. Seller warrants to Buyer that, for a period of thirtysix (36) months from the date of Bray's shipment (the "Warranty Period") from its manufacturing facility, Products manufactured by Seller will be free from defects in materials and workmanship when used for the purposes for which they were designed and manufactured. Seller does not warrant the Products against chemical or stress corrosion or against any other failure (including normal wear and tear due to operation or the environment) other than from defects in materials or workmanship.

B. THE EXPRESS WARRANTY SET FORTH IN SECTION 11(A) IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS INTENDED OR GIVEN.

C. Products manufactured by a third party ("Third Party Product") may constitute, contain, be contained in, incorporated into, attached to or packaged together with, the Products. Third Party Products are not covered by the warranty in Section 11(A). For the avoidance of doubt, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO ANY THIRD PARTY PRODUCT.

D. The Seller shall not be liable for a breach of the warranty set forth in Section 11(A) unless: (i) Buyer gives written notice to Seller of the defect during the Warranty Period and, in any event, within fourteen (14) days of the time when Buyer discovers or ought to have discovered the defect; (ii) Seller is given a reasonable opportunity after receiving the notice to examine such Products and Buyer (if requested to do so by Seller) returns such Products to Bray's factory or such other place that Seller shall designate on the Quotation for the examination to take place there; (iii) Products are stored, maintained and shipped in accordance with Seller's applicable guidelines therefor (available to Buyer in product information available at [https://www.bray.com/resources/documents/manual_guides? page=1](https://www.bray.com/resources/documents/manual_guides?page=1), please contact productspec@bray.com with any questions concerning the guidelines) and (iv) Seller reasonably verifies Buyer's claim that the Products are defective. Buyer shall return (freight prepaid) the defective Product to Bray at Bray's factory or such other place that Seller shall designate on the Quotation no later than ninety (90) days of Buyer's initial written notice to Seller of the defect. Upon Seller's confirmation of Products in breach of the warranty provided under Section 11(A), Seller shall credit the Buyer's expense for shipment against the Buyer's payment obligations to Seller and, if Seller exercises its option to replace such defective Products, Seller shall ship to Buyer the replaced Products and the terms of Section 8(B) shall apply for such replaced Products, except that Seller shall be responsible for the costs and expenses for such shipment. Seller shall not be obligated for any on-site costs, including removal and reinstallation of any warranted Products. Upon request, Buyer shall provide Seller reasonable and clear access to the warranted Products.

E. The Seller shall not be liable for a breach of the warranty set forth in Section 11(A) if: (i) Buyer makes any further use of such Products after giving such notice; (ii) the defect arises because Buyer failed to follow Seller's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Products; or (iii) Buyer alters or repairs such Products without the prior written consent of Seller.

F. Subject to Section 11(D) and Section 11(E) above, with respect to any such Products during the Warranty Period, Seller shall, in its sole discretion, either: (i) repair or replace such Products (or the defective part) or (ii) credit or refund the price of such

Sales Policy

Products at the pro rata contract rate provided that, if Seller so requests, Buyer shall, at Seller's expense, return such Products to Seller. THE REMEDIES SET FORTH IN THIS SECTION 11(F) SHALL BE THE BUYER'S SOLE AND EXCLUSIVE REMEDY AND SELLER'S SOLE AND ENTIRE LIABILITY FOR ANY BREACH OF THE LIMITED WARRANTY SET FORTH IN SECTION 11(A).

12. LIMITATION OF LIABILITY.

A. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES, LOST PROFITS OR REVENUES OR DIMINUTION IN VALUE, ARISING OUT OF OR RELATING TO ANY BREACH OF THESE TERMS, WHETHER OR NOT THE POSSIBILITY OF SUCH DAMAGES HAS BEEN DISCLOSED IN ADVANCE BY BUYER OR COULD HAVE BEEN REASONABLY FORESEEN BY BUYER, REGARDLESS OF THE LEGAL OR EQUITABLE THEORY (CONTRACT, TORT OR OTHERWISE) UPON WHICH THE CLAIM IS BASED, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE. No action, regardless of form, may be brought by Buyer more than one (1) year after the cause of action has accrued. B. IN NO EVENT SHALL SELLER'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO ANY PRODUCT, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, EXCEED THE TOTAL OF THE AMOUNTS PAID TO SELLER FOR SUCH PRODUCT.

13. AUTHORIZED RETURNS.

All sales of Products to Buyer are made on a one-way basis and no Products may be returned without prior written approval from Seller. Generally, in addition to the requirement for prior written approval, Bray will accept returns from a Buyer only if the return request is timely made following shipment of the applicable Product(s) to Buyer and the Product(s) are in good, reusable condition and remain standard Bray products (i.e., not custom-made, obsolete or buyout products). In regard to any returns, Seller generally issues credit (from which Seller may deduct shipping, restocking and reconditioning expenses).

14. INTELLECTUAL PROPERTY RIGHTS.

All copyrights, patents, trademarks, trade secrets, know-how and other intellectual property or proprietary rights pursuant to the laws of any jurisdiction worldwide ("IP Rights") associated with or relating to the Products shall belong solely and exclusively to Seller. Seller will retain all IP Rights used to create, embodied in, used in and otherwise relating to the Products and any of their component parts, and Buyer shall not acquire any ownership interest in any of Seller's IP Rights. Buyer shall use Seller's IP Rights only in accordance with these Terms and any instructions of Seller. No license, either express or implied, is granted in any IP Rights of Seller. If Buyer acquires any IP Rights in or relating to any Product by operation of law or otherwise, such rights are deemed and are hereby irrevocably assigned to Seller without further action. Buyer shall, at Seller's expense, execute such documents and do such things as are necessary to enable Seller to protect its IP Rights.

15. DESIGN CHANGES.

Seller reserves the right to change, discontinue or alter the design and construction of Products without prior notice and without further obligation.

16. COMPLIANCE WITH LAW.

Buyer shall comply with all applicable laws, regulations and ordinances, and shall maintain in effect all the licenses, permissions, authorizations, consents and permits that it needs to carry out

its obligations under the Agreement. Upon Seller request, Buyer agrees to provide Seller with information about the end use (including location of) of any products purchased. In furtherance of the foregoing (and without limitation thereto), please note the following in regards to compliance: A. Trade Compliance. Buyer must comply with all laws governing export/import control and regulation, including, without limitation, laws governing re-exporting. If Buyer is obtaining Product(s) for resale, such compliance requires that Buyer know of the end-use, end user, ultimate destination or other facts relating to such sale of Product(s), and be alerted to "red flags" in the circumstances related to such sale. Buyer is obligated to comply with Bray's trade compliance program in regards to any sale and purchase of Product(s). Buyer should contact Bray to confirm compliance with the requirements of this program. B. Anti-Corruption Laws. Buyer must comply with all anti-corruption and bribery laws and regulations, including, without limitation the United Kingdom's Bribery Act of 2010 and the United States' Foreign Corrupt Practices Act. Buyer must not pay, offer or promise to pay, directly or indirectly, anything of value for purposes of influencing an official decision or seeking influence in regards to any such decision from a person or organization affiliated with any government body, organization or business entity owned in part or in whole by a government body. Buyer must contact Bray in regards to any transaction in respect of Product(s) provided under this Agreement that could implicate such laws. Bray may immediately terminate, without any liability, any sale, agreement or association with any person violating such laws.

17. TERMINATION.

In addition to any remedies that may be provided under the Agreement, Seller may terminate the Agreement with immediate effect upon written notice to Buyer, if Buyer: (i) fails to pay any amount when due; (ii) has not otherwise performed or complied with any of the terms of the Agreement, in whole or in part; or (iii) becomes insolvent, files a petition for bankruptcy or commences or has commenced against it proceedings relating to bankruptcy, receivership, reorganization or assignment for the benefit of creditors.

18. WAIVER.

No waiver by Seller of any of the provisions of these Terms or the Agreement is effective unless explicitly set forth in writing and signed by Seller. No failure to exercise, or delay in exercising, any rights, remedy, power or privilege arising from the Agreement operates or may be construed as a waiver thereof. No single or partial exercise of any right, remedy, power or privilege hereunder precludes any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

19. CONFIDENTIAL INFORMATION.

All Confidential Information (as defined below) of Seller disclosed by Seller to Buyer, whether disclosed orally or disclosed or accessed in written, electronic or other form or media, and whether or not marked, designated or otherwise identified as "confidential," in connection with these Terms or the Agreement is confidential, solely for the use of performing this Agreement and may not be disclosed or copied unless authorized in advance by Seller in writing. Upon Seller's request, Buyer shall promptly return all Confidential Information received from Seller. Seller shall be entitled to injunctive relief for any violation of this Section. For purposes of this Agreement, "Confidential Information" means all non-public, confidential or proprietary information of Seller including, but not limited to, business affairs, business plans, trade secrets, intellectual property, specifications, samples, patterns, designs, client information, customer information, supplier information, technical data, developments, properties, systems, procedures, ser-

Sales Policy

vices, processes, methods, drawings, know-how, equipment, development plans, documents, manuals, strategies, training materials, costs, pricing, discounts or rebates, inventions, discoveries or any other confidential matters acquired in respect of the Seller or the Products.

20. FORCE MAJEURE.

Neither Seller nor Buyer shall be in breach of contract nor liable to the other party for any delay or damages if prevented from performance of these Terms and the Agreement (other than the payment of money) by any condition of force majeure which is beyond the control and not caused by the negligence of the party so affected ("Force Majeure"). Force Majeure includes, but shall not be limited to, earthquakes, floods, hurricanes, named tropical storms, lightning strikes, ice storms, blizzards, icebergs, pack ice, air and sea disasters, explosions and fire, epidemics, acts of God, acts of public enemy, war, terrorism, national emergency, invasion, insurrection, riot, strike, lockout, blockade or other industrial disputes, any laws, rules, regulations, orders, directives or requirements of or interference by any government or government agency (including any thereof or any affecting foreign exchange or otherwise making the terms of sale materially impractical on the basis of the economics relating to the agreed sale price or of illegality), inability or delay in obtaining supplies of adequate or suitable materials, power outage or other circumstances not within the control of the party and which, by the exercise of reasonable diligence, the party is unable to prevent or remedy, whether similar or dissimilar, foreseen or unforeseen. Seller shall have such additional time as may be reasonably necessary to perform its obligations upon the occurrence of any Force Majeure event.

21. ASSIGNMENT.

Buyer shall not assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of Seller. Any purported assignment or delegation in violation of this Section is null and void. No assignment or delegation relieves Buyer of any of its obligations under this Agreement.

22. AMENDMENT AND MODIFICATION.

These Terms may only be amended or modified in a writing which specifically states that it amends these Terms and is signed by an authorized representative of each of Seller and Buyer.

23. RELATIONSHIP OF THE PARTIES.

The relationship between the parties is that of independent contractors. Nothing contained in these Terms or the Agreement shall be construed as creating any agency, partnership, joint venture or other form of joint enterprise, employment or fiduciary relationship between Seller and Buyer, and neither party shall have authority to contract for or bind the other party in any manner whatsoever.

24. NO THIRD-PARTY BENEFICIARIES.

These Terms and the Agreement are for the sole benefit of the Seller and Buyer and their respective successors and permitted assigns, and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of these Terms.

25. GOVERNING LAW / JURISDICTION / JURY WAIVER. THESE TERMS, THE AGREEMENT AND THE RELATIONS BETWEEN THE PARTIES SHALL BE GOVERNED BY THE PROCEDURAL AND SUBSTANTIVE LAWS OF THE STATE OF TEXAS, EXCLUSIVE OF CONFLICT OF LAWS PRINCIPLES WHICH WOULD DIRECT THE APPLICATION OF THE SUBSTANTIVE OR PROCEDURAL LAW OF ANOTHER JURISDICTION. IN THE EVENT

TEXAS LAW IS RULED

OR ORDERED TO NOT APPLY TO ANY DISPUTE BETWEEN THE PARTIES, THEN FOR PURPOSES OF THAT DISPUTE THESE TERMS, THE AGREEMENT AND THE RELATIONS BETWEEN THE PARTIES SHALL BE GOVERNED BY THE LAWS OF THE JURISDICTION IN WHICH BRAY'S FACTORY APPLICABLE TO THE SALE IS LOCATED, EXCLUSIVE OF CONFLICT OF LAWS PRINCIPLES WHICH WOULD DIRECT THE APPLICATION OF THE SUBSTANTIVE OR PROCEDURAL LAW OF ANOTHER JURISDICTION. IF BRAY'S FACTORY APPLICABLE TO THE SALE IS

LOCATED IN ANY STATE, TERRITORY, OR DISTRICT OF THE UNITED STATES OF AMERICA, EACH PARTY: (A) IRREVOCABLY SUBMITS TO THE JURISDICTION AND VENUE OF THE COURTS LOCATED IN HARRIS COUNTY, TEXAS FOR THE RESOLUTION OF ANY AND ALL DISPUTES ARISING FROM OR RELATING TO THESE TERMS, THE AGREEMENT AND THE RELATIONS BETWEEN THE PARTIES; AND (B) KNOWINGLY AND VOLUNTARILY WAIVES ALL RIGHTS TO A JURY TRIAL IN ANY LEGAL PROCEEDING RELATING TO THESE TERMS, THE AGREEMENT AND THE RELATIONS BETWEEN THE PARTIES. IF BRAY'S FACTORY APPLICABLE TO THE SALE IS NOT LOCATED IN ANY STATE, TERRITORY, OR DISTRICT OF THE UNITED STATES OF AMERICA, EACH PARTY AGREES ALL DISPUTES ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE ORDER(S) SHALL BE FINALLY SETTLED, SUBJECT TO THE DEFENSES ALLOWED BY APPLICABLE LAW, UNDER THE RULES OF

ARBITRATION OF THE INTERNATIONAL CHAMBER OF COMMERCE BY A SINGLE ARBITRATOR APPOINTED IN ACCORDANCE WITH THE SAID RULES. THE ARBITRATION SHALL BE CONDUCTED IN ENGLISH WITHIN THE LIMITS OF THE CITY OF HOUSTON, TEXAS. THE ARBITRATOR MUST MEET EACH OF THE FOLLOWING QUALIFICATIONS IN ORDER TO BE APPOINTED: (1) BE A GRADUATE OF A LAW SCHOOL LOCATED IN THE UNITED STATES; (2) HAVE MORE THAN TWENTY YEARS OF EXPERIENCE IN LITIGATING AND/OR ARBITRATING COMPLEX COMMERCIAL DISPUTES; (3) BE LICENSED TO PRACTICE LAW IN THE STATE OF TEXAS; AND (4) BE IMPARTIAL. THE ARBITRATOR WILL HAVE THE AUTHORITY TO APPORTION LIABILITY BETWEEN THE PARTIES, BUT WILL NOT HAVE THE AUTHORITY TO AWARD ANY DAMAGES OR REMEDIES NOT AVAILABLE UNDER, OR IN EXCESS OF, THE EXPRESS TERMS OF THESE TERMS OR THE AGREEMENT. THE ARBITRATION AWARD WILL BE PRESENTED TO THE PARTIES IN WRITING, AND UPON THE REQUEST OF EITHER PARTY, WILL INCLUDE FINDINGS OF FACT AND CONCLUSIONS OF LAW. THE AWARD MAY BE CONFIRMED AND ENFORCED IN ANY COURT OF COMPETENT JURISDICTION. BUYER AND SUPPLIER HEREBY CONSENT AND SUBMIT TO THE AFOREMENTIONED ARBITRATION AND THE JURISDICTION OF ANY LOCAL, STATE OR FEDERAL COURT LOCATED WITHIN HOUSTON, TEXAS, AS JURISDICTION FOR REVIEW OR CHALLENGE OF THE ARBITRATION RESULTS AND WAIVE ANY RIGHT SUCH PARTY MAY HAVE TO TRANSFER THE VENUE TO ANY OTHER JURISDICTION. THE PARTIES EXPRESSLY RESERVE ALL RIGHTS TO PURSUE INJUNCTIVE RELIEF IN ANY COURT LOCATED IN HOUSTON, TEXAS. THE PARTIES ACKNOWLEDGE AND AGREE THAT THIS AGREEMENT INCLUDES ACTIVITIES IN INTERSTATE COMMERCE (AND, ACCORDINGLY, THE FEDERAL ARBITRATION ACT OF THE UNITED STATES SHALL CONTROL AND APPLY TO ALL ARBITRATIONS CONDUCTED HEREUNDER, NOTWITHSTANDING ANY STATE LAW PROVISIONS TO THE CONTRARY).

26. NOTICES.

All notices, request, consents, claims, demands, waivers and other communications hereunder (each, a "Notice") shall be in writing and addressed to the parties at the addresses set forth

on the face of the Quotation or to such other address that may be designated by the receiving party in writing. All Notices shall be delivered by personal delivery, nationally recognized overnight courier (with all fees pre-paid), facsimile (with confirmation of transmission), email or certified or registered mail (in each case, return receipt requested, postage prepaid). Except as otherwise provided in the Agreement, a Notice is effective only (i) upon receipt of the receiving party (and confirmation of such receipt in respect of facsimile or email transmissions), and (ii) if the party giving the Notice has complied with the requirements of this Section.

27. SEVERABILITY.

If any of these Terms or other terms or provision of the Agreement are determined to be invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision or invalidate or render unenforceable such term or provision in any other jurisdiction.

28. CLERICAL ERRORS.

Seller reserves the right to correct all stenographic or clerical errors or omissions in any documents (whether Quotations, invoices or other documents).

29. SURVIVAL.

Any provision of the Agreement that by its nature should apply after any termination or expiration of the Agreement, including (but not limited to) the following provisions: Compliance with Laws, Confidentiality, Governing Law / Jurisdiction and Survival, shall survive any such termination or expiration.

30. PUBLISHED DATA.

All published dimensions, weights, temperatures, pre sure ratings and other Product data are approximate. CANCELLATION, CHANGE ORDERS AND RETURNED GOODS POLICY ADDENDUM As guidance and further clarification on the applicable terms and conditions relating to change orders or cancellations, Bray will accept changes and cancellations generally subject to Buyer agreement to pay all costs and expenses incurred by Bray for the order, including, without limitation, costs and expenses relating to engineering, financing costs (including those for any performance or warranty obligations), restocking, order administration, supplies, freight, duties and inspection. For standard product, Bray will generally apply a twentyfive percent (25%) cancellation fee unless such amount is not sufficient to recapture Bray's fees and expenses (e.g., financing costs, freight, duties, etc.) relating to the order. For non standard products (i.e., product with unique feature(s) or specifically designed for the applicable purchase), the cancellation charge will usually be the purchase price of the product(s). For any such agreed cancellation or change, Bray will calculate the specific amount of such costs and expenses incurred to the date of such cancellation or change and advise Buyer of the applicable amount owed. For any standard product returns, exceptional costs such as freight, duties and financing costs will be added to any standard cancellation fee. For any non standard product returns, the cancellation charge will additionally include amounts incurred in connection with the return. Specific terms and conditions relating to the foregoing and the events and circumstances relating to the novel coronavirus COVID-19: Bray will agree to delay the delivery of orders beyond a previously agreed delivery date as long as the Buyer pays an additional storage fee of five percent (5%) relating to such applicable order(s); provided, however, that the applicable order(s) must nevertheless be shipped and invoiced by no later than ninety (90) days after the previously agreed delivery date or the applicable order(s) will be deemed canceled and the cancellation charge (as outlined above) therefor shall be charged.