

**Bray Commercial - Pricing 2025**

**Bray** COMMERCIAL

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# *Pricing 2025*



**Bray**  
COMMERCIAL

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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	238	290	400
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	288	340	450
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	411	463	573
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	461	513	623
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	550	602	712
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	748	800	910
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	335	483
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	385	533
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	508	656
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	558	706
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	647	795
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	845	993
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		
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	413	540	-	-	455	576
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	463	590	-	-	505	626
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	586	713	-	-	628	749
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	-	-	636	762	678	799
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	-	-	725	851	767	888
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	-	-	923	1049	965	1086
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	557	-	677
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	607	-	727
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	730	-	850
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	-	780	900
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	-	869	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	-	1067	1187
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	355	407	517
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	388	440	550
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	555	607	717
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	582	634	744
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	693	745	855
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	974	1026	1136
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	452	600
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	485	633
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	652	800
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	679	827
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	790	938
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	1071	1219
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	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-05-3-003	0.5	15	0.3	0.3	530	657	-	-	572	693
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	563	690	-	-	605	726
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	730	857	-	-	772	893
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	-	-	757	883	799	920
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	-	-	868	994	910	1031
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	-	-	1149	1275	1191	1312
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	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	674	-	794
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	707	-	827
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	874	-	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	-	901	1021
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	-	1012	1132
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	-	1293	1413
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	2233	2285	2374	2356
STM250-2-74			74	64.0				
STM250-2-117			117	101.2				
STM3-2-74	3	80	74	64.0	2417	2469	2558	2540
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	3052	3104	3193	3175
STM4-2-176*			176	152.2				
Adder -A					121	117	121	118
Adder -WS					364	387	364	387

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	2519	2528	2677
STM250-2-74			74	64.0			
STM250-2-117			117	101.2			
STM3-2-74	3	80	74	64.0	2703	2712	2861
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	3338	3347	3496
STM4-2-176*			176	152.2			
Adder -A					118	117	118
Adder -WS					366	366	366

**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	3037	3089	3178	3160
STM250-3-74			74	64	47	40				
STM250-3-117			117	101	74	63				
STM3-3-74	3	80	74	64	47	40	3404	3456	3545	3527
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	3721	3773	3862	3844
STM4-3-176*			176	152	88	75				
Adder -A							121	117	121	118
Adder -WS							364	387	364	387

### 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	3323	3332	3481
STM250-3-74			74	64	47	40			
STM250-3-117			117	101	74	63			
STM3-3-74	3	80	74	64	47	40	3690	3699	3848
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	4007	4016	4165
STM4-3-176*			176	152	88	75			
Adder -A							118	117	118
Adder -WS							366	366	366

#### 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	1147	-	-	-	-	1584	-	-	-	
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										712
BV75-CS3-05	.75	20	15°	5.5	2.1	-	1566	-	-	-	-	2048	-	-	
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										952
BV1-CS3-09	1	25	15°	9.8	3.7	-	-	1779	-	-	-	-	2220	-	
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										1055
BV125-CS3-11	1.25	32	15°	12.8	4.0	-	-	-	2419	-	-	-	-	2688	
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										1287
BV150-CS3-15	1.5	40	15°	17.6	5.5	-	-	-	-	3417	-	-	-	-	
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										2048
Adder -A						68	85	78	82	101	90	102	92	89	115

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	1253	-	-	-	1758	-	-	-	-
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	-	1805	-	-	-	2341	-	-	-
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	-	1908	-	-	-	2450	-	-	-
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	-	-	2818	-	-	-	-	-	3380
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						68	82	79	90	90	90	87		

**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	1197	-	-	-	-	1650	-	-	-	-
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	-	1642	-	-	-	-	2139	-	-	-
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	-	-	1866	-	-	-	-	2323	-	-
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	-	-	-	2524	-	-	-	-	2802	-
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	-	-	-	-	3565	-	-	-	-	4559
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						68	84	77	82	100	90	101	92	90	115

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	1303	-	-	1824	-	-	
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							867
BV75-SS3-05	.75	20	15°	5.5	2.1	-	1880	-	-	2431	-	
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							1266
BV1-SS3-09	1	25	15°	9.8	3.7	-	1994	-	-	2553	-	
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							1369
BV125-SS3-11	1.25	32	15°	12.8	4.0	-	-	2923	-	-	3494	
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							1790
Adder -A						68	83	80	90	90	88	

**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	4530	-	-	4403	-	-	2836
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	4671	-	-	4544	-	-	2836
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	5074	-	-	4947	-	-	2836
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	5724	-	-	5597	-	-	2836
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	5826	-	-	5699	-	-	2836
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	6920	-	-	6793	-	-	2836
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	11058	-	-	10931	-	-	2836
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	-	12713	-	-	13004	-	2708
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	-	-	15656	-	-	17161	2708
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 - 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	5952	-	-	5894	-	-	2836
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	6093	-	-	6035	-	-	2836
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	6496	-	-	6438	-	-	2836
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	7146	-	-	7088	-	-	2836
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	7248	-	-	7190	-	-	2836
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	8342	-	-	8284	-	-	2836
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	12480	-	-	12422	-	-	2836
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	-	14165	-	-	14540	-	2708
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	-	-	17270	-	-	18699	2708
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	4619	-	-	4492	-	-	2836
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				3840	3713	2836	
BV75-SS3-05	.75	20	15°	5.5	2.1	4779	-	-	4652	-	-	2836
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				3902	3775	2836	
BV1-SS3-09	1	25	15°	9.8	3.7	5209	-	-	5082	-	-	2836
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				4077	3950	2836	
BV125-SS3-11	1.25	32	15°	12.8	4.0	5879	-	-	5752	-	-	2836
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				4213	4086	2836	
BV150-SS3-15	1.5	40	15°	17.6	5.5	6004	-	-	5877	-	-	2836
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				4356	4229	2836	
BV2-SS3-29	2	50	15°	34.6	10.6	7116	-	-	6989	-	-	2836
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				5349	5222	2836	
BV250-SS3-27	2.5	65	15°	31.3	11.7	11272	-	-	11145	-	-	2836
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				7694	7567	2836	
BV3-SS3-32	3	80	15°	38.3	13.4	-	12982	-	-	13273	-	2708
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		9446	9737	2708			
BV4-SS3-76	4	100	15°	96.0	27.9	-	-	16059	-	-	17564	2708
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			11816	13321	2708		

**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	6041	-	-	5983	-	-	2836
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	6201	-	-	6143	-	-	2836
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	6631	-	-	6573	-	-	2836
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	7301	-	-	7243	-	-	2836
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	7426	-	-	7368	-	-	2836
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	8538	-	-	8480	-	-	2836
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	12694	-	-	12636	-	-	2836
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	-	14434	-	-	14809	-	2708
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	-	-	17673	-	-	19102	2708
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



## 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	7444	70-24-0081H	7317	556	2627
BVMS3-C150-0287	3	80	287	64	70-0081H	10521	70-24-0081H	10394	823	2627
BVMS4-C150-0436	4	100	436	98	70-0121H	12218	70-24-0201H	12509	1163	2707
BVMS6-C150-0760	6	150	760	191	70-0201H	20036	70-24-0201H	19794	2996	2707
BVMS8-C150-1350	8	200	1350	369	70-E301H	23365	70-24-0501H	24870	4813	2708
BVMS10-C150-2380	10	250	2380	571	70-0501H	35621	70-24-0501H	35622	5832	2708
BVMS12-C150-3410	12	300	3410	780	70-1300H	50553	-	-	9483	-

### 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	8866	70-24-0081SVH	8808	556	2836
BVMS3-C150-0287	3	80	287	64	70-0081SVH	11943	70-24-0081SVH	11885	823	2836
BVMS4-C150-0436	4	100	436	98	70-0121SVH	13670	70-24-0201SVH	14045	1163	2708
BVMS6-C150-0760	6	150	760	191	70-0201SVH	21489	70-24-0201SVH	21330	2996	2708
BVMS8-C150-1350	8	200	1350	369	70-E301SVH	24979	70-24-0501SVH	26408	4813	2708
BVMS10-C150-2380	10	250	2380	571	70-0501SVH	37015	70-24-0501SVH	37160	5832	2708
BVMS12-C150-3410	12	300	3410	780	70-1300SVH	52020	-	-	9483	-

#### 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	608	491
SS-050-N-S-x/PA24-27	0.5	15	1/2" NPT Threads 6.9 Max. GPM	608	
SS-075-N-L-x/PA24-27	.75	20	3/4" NPT Thread 3.3 Max. GPM	682	
SS-075-N-S-x/PA24-27	.75	20	3/4" NPT Thread 8.0 Max. GPM	682	
SS-1-N-S-x/PA24-27	1	25	1" NPT Thread 8.1 Max. GPM	1051	
SS-125-N-S-x/PA24-27	1.25	32	1-1/4" NPT Thread 13.2 Max. GPM	1344	
SS-150-N-S-x/PAM24-100	1.5	40	1-1/2" NPT Thread 33.4 Max. GPM	2492	496
SS-2-N-S-x/PAM24-100	2	50	2" NPT Thread 64.7 Max. GPM	2647	
SS-2-N-H-x/PAM24-112	2	50	2" Ductile NPT Thread 110 Max. GPM	5787	

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	861	491	-
SS-050-N-S-x/PA24-27-FS	0.5	15	1/2" NPT Threads 6.9 Max. GPM	861		
SS-075-N-L-x/PA24-27-FS	.75	20	3/4" NPT Thread 3.3 Max. GPM	935		
SS-075-N-S-x/PA24-27-FS	.75	20	3/4" NPT Thread 8.0 Max. GPM	935		
SS-1-N-S-x/PA24-27-FS	1	25	1" NPT Thread 8.1 Max. GPM	1304		
SS-125-N-S-x/PA24-27-FS	1.25	32	1-1/4" NPT Thread 13.2 Max. GPM	1597		
SS-150-N-S-x/PAM24-100-FS	1.5	40	1-1/2" NPT Thread 33.4 Max. GPM	2730	496	-
SS-2-N-S-x/PAM24-100-FS	2	50	2" NPT Thread 64.7 Max. GPM	2885		
SS-2-N-H-x/GASRE24-450	2	50	2" Ductile NPT Thread 110 Max. GPM	6953		

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	670	491
SS-050-N-S-x/PAM24-27	0.5	15	1/2" NPT Threads 6.9 Max. GPM	670	
SS-075-N-L-x/PAM24-27	.75	20	3/4" NPT Thread 3.3 Max. GPM	744	
SS-075-N-S-x/PAM24-27	.75	20	3/4" NPT Thread 8.0 Max. GPM	744	
SS-1-N-S-x/PAM24-27	1	25	1" NPT Thread 8.1 Max. GPM	1113	
SS-125-N-S-x/PAM24-27	1.25	32	1-1/4" NPT Thread 13.2 Max. GPM	1406	
SS-150-N-S-x/PAM24-100	1.5	40	1-1/2" NPT Thread 33.4 Max. GPM	2492	496
SS-2-N-S-x/PAM24-100	2	50	2" NPT Thread 64.7 Max. GPM	2647	
SS-2-N-H-x/PAM24-112	2	50	2" Ductile NPT Thread 110 Max. GPM	5787	

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	892	491	NA
SS-050-N-S-x/PAM24-27-FS	0.5	15	1/2" NPT Threads 6.9 Max. GPM	892		
SS-075-N-L-x/PAM24-27-FS	.75	20	3/4" NPT Thread 3.3 Max. GPM	966		
SS-075-N-S-x/PAM24-27-FS	.75	20	3/4" NPT Thread 8.0 Max. GPM	966		
SS-1-N-S-x/PAM24-27-FS	1	25	1" NPT Thread 8.1 Max. GPM	1335		
SS-125-N-S-x/PAM24-27-FS	1.25	32	1-1/4" NPT Thread 13.2 Max. GPM	1628		
SS-150-N-S-x/PAM24-100-FS	1.5	40	1-1/2" NPT Thread 33.4 Max. GPM	2730	496	-
SS-2-N-S-x/PAM24-100-FS	2	50	2" NPT Thread 64.7 Max. GPM	2885		
SS-2-N-H-x/GASRE24-450	2	50	2" Ductile NPT Thread 110 Max. GPM	6953		

**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	402
SD-75	.75	20	454
SD-1	1	25	502
SD-125	1.25	32	960
SD-150	1.5	40	1037
SD-2	2	50	1438

Hose Kits - Stainless Steel Braided				
Model Number	Diameter		Length	Price Includes 2 Hoses
	In.	mm		
Hose-05-12	0.5	15	12	211
Hose-05-18			18	233
Hose-05-24			24	254
Hose-05-36			36	299
Hose-75-12	.75	20	12	289
Hose-75-18			18	320
Hose-75-24			24	352
Hose-75-36			36	414
Hose-1-12	1	25	12	587
Hose-1-18			18	637
Hose-1-24			24	689
Hose-1-36			36	790
Hose-125-24	1.25	32	24	1050
Hose-125-36			36	1195
Hose-150-24	1.5	40	24	2310
Hose-150-36			36	2550
Hose-2-24	2	50	24	2646
Hose-2-36			36	2863

Replacement Cartridges		
Model Number	Size - in.	Price
CART-SS-050-L	0.5 & .75 Low Flow	241
CART-SS-050-S	0.5 to 1 Standard Flow	241
CART-SS-125-S	1.25	378
CART-SS-150-S	1.5	722
CART-SS-200-S	2	1217



## 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	7453	-	496
SSM-250-A-H-x/PAM24-112	2.5	65	ANSI 125 Flanged 154 Max. GPM	8023	-	
SSM-3-A-L-x/PAM24-112	3	80	ANSI 125 Flanged 150 Max. GPM	7705	-	
SSM-3-A-H-x/PAM24-112	3	80	ANSI 125 Flanged 189 Max. GPM	8216	-	
SSM-250-A-L-x/GA24-562	2.5	65	ANSI 125 Flanged 110 Max. GPM	8461	295	609
SSM-250-A-H-x/GA24-562	2.5	65	ANSI 125 Flanged 154 Max. GPM	9031		
SSM-3-A-L-x/GA24-562	3	80	ANSI 125 Flanged 150 Max. GPM	8713		
SSM-3-A-H-x/GA24-562	3	80	ANSI 125 Flanged 189 Max. GPM	9224		
SSM-4-A-L-x/GA24-562	4	100	ANSI 125 Flanged 299 Max. GPM	11100		
SSM-4-A-H-x/GA24-562	4	100	ANSI 125 Flanged 396 Max. GPM	11770		
SSM-5-A-L-x/GA24-562	5	125	ANSI 125 Flanged 484 Max. GPM	15009		
SSM-5-A-H-x/GA24-562	5	125	ANSI 125 Flanged 594 Max. GPM	16134		
SSM-6-A-L-x/GA24-562	6	150	ANSI 125 Flanged 652 Max. GPM	19437		
SSM-6-A-H-x/GA24-562	6	150	ANSI 125 Flanged 859 Max. GPM	21099		
SSM-8-A-L-x/GA24-562	8	200	ANSI 125 Flanged 925 Max. GPM	30015		
SSM-8-A-H-x/GA24-562	8	200	ANSI 125 Flanged 1233 Max. GPM	32012		
SSM-10-A-L-x/GA24-562	10	250	ANSI 125 Flanged 2091 Max. GPM	53925		
SSM-10-A-H-x/GA24-562	10	250	ANSI 125 Flanged 2642 Max. GPM	57460		
SSM-12-A-L-x/GA24-562	12	300	ANSI 125 Flanged 2091 Max. GPM	63302		
SSM-12-A-H-x/GA24-562	12	300	ANSI 125 Flanged 2642 Max. GPM	67465		

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	8971	295	609
SSM-250-A-H-x/GASRE24-450	2.5	65	ANSI 125 Flanged 154 Max. GPM	9541		
SSM-3-A-L-x/GASRE24-450	3	80	ANSI 125 Flanged 150 Max. GPM	9223		
SSM-3-A-H-x/GASRE24-450	3	80	ANSI 125 Flanged 189 Max. GPM	9734		
SSM-4-A-L-x/GASRE24-450	4	100	ANSI 125 Flanged 299 Max. GPM	11610		
SSM-4-A-H-x/GASRE24-450	4	100	ANSI 125 Flanged 396 Max. GPM	12280		
SSM-5-A-L-x/GASRE24-450	5	125	ANSI 125 Flanged 484 Max. GPM	15519		
SSM-5-A-H-x/GASRE24-450	5	125	ANSI 125 Flanged 594 Max. GPM	16644		
SSM-6-A-L-x/GASRE24-450	6	150	ANSI 125 Flanged 652 Max. GPM	19947		
SSM-6-A-H-x/GASRE24-450	6	150	ANSI 125 Flanged 859 Max. GPM	21609		
SSM-8-A-L-x/GASRE24-450	8	200	ANSI 125 Flanged 925 Max. GPM	30525		
SSM-8-A-H-x/GASRE24-450	8	200	ANSI 125 Flanged 1233 Max. GPM	32522		

### 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	1554
SD-3	3	80	1684
SD-4	4	100	1931
SD-5	5	125	3652
SD-6	6	150	4822



## 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	7842	-	496
SSM-250-A250-H-x/PAM24-112	2.5	65	ANSI 250 Flanged 154 Max. GPM	8426	-	
SSM-3-A250-L-x/PAM24-112	3	80	ANSI 250 Flanged 150 Max. GPM	8036	-	
SSM-3-A250-H-x/PAM24-112	3	80	ANSI 250 Flanged 189 Max. GPM	8548	-	295
SSM-250-A250-L-x/GA24-562	2.5	65	ANSI 250 Flanged 110 Max. GPM	8850	609	
SSM-250-A250-H-x/GA24-562	2.5	65	ANSI 250 Flanged 154 Max. GPM	9434		
SSM-3-A250-L-x/GA24-562	3	80	ANSI 250 Flanged 150 Max. GPM	9044		
SSM-3-A250-H-x/GA24-562	3	80	ANSI 250 Flanged 189 Max. GPM	9556		
SSM-4-A250-L-x/GA24-562	4	100	ANSI 250 Flanged 299 Max. GPM	12415		
SSM-4-A250-H-x/GA24-562	4	100	ANSI 250 Flanged 396 Max. GPM	13087		
SSM-5-A250-L-x/GA24-562	5	125	ANSI 250 Flanged 484 Max. GPM	17929		
SSM-5-A250-H-x/GA24-562	5	125	ANSI 250 Flanged 594 Max. GPM	19053		
SSM-6-A250-L-x/GA24-562	6	150	ANSI 250 Flanged 652 Max. GPM	24142		
SSM-6-A250-H-x/GA24-562	6	150	ANSI 250 Flanged 859 Max. GPM	25803		
SSM-8-A250-L-x/GA24-562	8	200	ANSI 250 Flanged 925 Max. GPM	32380		
SSM-8-A250-H-x/GA24-562	8	200	ANSI 250 Flanged 1233 Max. GPM	34363		
SSM-10-A250-L-x/GA24-562	10	250	ANSI 250 Flanged 2091 Max. GPM	58275		
SSM-10-A250-H-x/GA24-562	10	250	ANSI 250 Flanged 2642 Max. GPM	61825		
SSM-12-A250-L-x/GA24-562	12	300	ANSI 250 Flanged 2091 Max. GPM	68432		
SSM-12-A250-H-x/GA24-562	12	300	ANSI 250 Flanged 2642 Max. GPM	72596		

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	9360	295	609
SSM-250-A250-H-x/GASRE24-450	2.5	65	ANSI 250 Flanged 154 Max. GPM	9944		
SSM-3-A250-L-x/GASRE24-450	3	80	ANSI 250 Flanged 150 Max. GPM	9554		
SSM-3-A250-H-x/GASRE24-450	3	80	ANSI 250 Flanged 189 Max. GPM	10066		
SSM-4-A250-L-x/GASRE24-450	4	100	ANSI 250 Flanged 299 Max. GPM	12925		
SSM-4-A250-H-x/GASRE24-450	4	100	ANSI 250 Flanged 396 Max. GPM	13597		
SSM-5-A250-L-x/GASRE24-450	5	125	ANSI 250 Flanged 484 Max. GPM	18439		
SSM-5-A250-H-x/GASRE24-450	5	125	ANSI 250 Flanged 594 Max. GPM	19563		
SSM-6-A250-L-x/GASRE24-450	6	150	ANSI 250 Flanged 652 Max. GPM	24652		
SSM-6-A250-H-x/GASRE24-450	6	150	ANSI 250 Flanged 859 Max. GPM	26313		
SSM-8-A250-L-x/GASRE24-450	8	200	ANSI 250 Flanged 925 Max. GPM	32890		
SSM-8-A250-H-x/GASRE24-450	8	200	ANSI 250 Flanged 1233 Max. GPM	34873		

**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	1554
SD-3	3	80	1684
SD-4	4	100	1931
SD-5	5	125	3652
SD-6	6	150	4822

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	946	1071	-	-
CG05-2-006	0.5	15	0.63	0.5	946	1071	-	-
CG05-2-01	0.5	15	1	0.9	946	1071	-	-
CG05-2-02	0.5	15	1.6	1.4	946	1071	-	-
CG05-2-03	0.5	15	2.5	2.2	946	1071	-	-
CG05-2-04	0.5	15	4	3.5	946	1071	-	-
CG75-2-07	.75	20	6.3	5.4	981	1106	-	-
CG1-2-10	1.0	25	10	8.7	1067	1192	-	-
DG125-2-16	1.25	32	16	13.8	-	-	1298	1408
DG150-2-25	1.50	40	25	21.6	-	-	1423	1533
DG2-2-40	2.0	50	40	34.6	-	-	1707	1817
Adder -A					-	-	716	358
Adder -H					-	-	952	952

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	1145	1241	-	-
CG05-2-006	0.5	15	0.63	0.5	1145	1241	-	-
CG05-2-01	0.5	15	1	0.9	1145	1241	-	-
CG05-2-02	0.5	15	1.6	1.4	1145	1241	-	-
CG05-2-03	0.5	15	2.5	2.2	1145	1241	-	-
CG05-2-04	0.5	15	4	3.5	1145	1241	-	-
CG75-2-07	.75	20	6.3	5.4	1180	1276	-	-
CG1-2-10	1.0	25	10	8.7	1266	1362	-	-
DG125-2-16	1.25	32	16	13.8	-	-	1645	1750
DG150-2-25	1.50	40	25	21.6	-	-	1770	1875
DG2-2-40	2.0	50	40	34.6	-	-	2054	2159
Adder -A					-	-	716	358
Adder -H					-	-	952	952

### 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	1210	-	1318
DG05-2-02	0.5	15	1.6	1.4	1210	-	1318
DG05-2-03	0.5	15	2.5	2.2	1210	-	1318
DG05-2-04	0.5	15	4	3.5	1210	-	1318
DG75-2-07	.75	20	6.3	5.4	1253	-	1361
DG1-2-10	1.0	25	10	8.7	1372	-	1480
DG125-2-16	1.25	32	16	13.8	-	4475	Use standard Closeoff or High Closeoff SR
DG150-2-25	1.50	40	25	21.6	-	4601	Use standard Closeoff or High Closeoff SR
DG2-2-40	2.0	50	40	34.6	-	4884	Use standard Closeoff or High Closeoff SR
Adder -A					716	716	358
Adder -H					952	952	952

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	1555	-	1660	-
DG05-2-02	0.5	15	1.6	1.4	1555	-	1660	-
DG05-2-03	0.5	15	2.5	2.2	1555	-	1660	-
DG05-2-04	0.5	15	4	3.5	1555	-	1660	-
DG75-2-07	.75	20	6.3	5.4	1600	-	1703	-
DG1-2-10	1.0	25	10	8.7	1718	-	1822	-
DG125-2-16	1.25	32	16	13.8	-	5239	-	3720
DG150-2-25	1.50	40	25	21.6	-	5364	-	3845
DG2-2-40	2.0	50	40	34.6	-	5648	-	4129
Adder -A					716	716	358	358
Adder -H					952	952	952	952

**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	1309	1434	-	-
CG05-2-006SS	0.5	15	0.63	0.5	1309	1434	-	-
CG05-2-01SS	0.5	15	1	0.9	1309	1434	-	-
CG05-2-02SS	0.5	15	1.6	1.4	1309	1434	-	-
CG05-2-03SS	0.5	15	2.5	2.2	1309	1434	-	-
CG05-2-04SS	0.5	15	4	3.5	1309	1434	-	-
CG75-2-07SS	.75	20	6.3	5.4	1450	1575	-	-
CG1-2-10SS	1.0	25	10	8.7	1660	1785	-	-
DG125-2-16SS	1.25	32	16	13.8	-	-	2228	2338
DG150-2-25SS	1.50	40	25	21.6	-	-	2643	2753
DG2-2-40SS	2.0	50	40	34.6	-	-	2970	3080
Adder -A					-	-	716	358
Adder -H					-	-	952	952

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	1508	1604	-	-
CG05-2-006SS	0.5	15	0.63	0.5	1508	1604	-	-
CG05-2-01SS	0.5	15	1	0.9	1508	1604	-	-
CG05-2-02SS	0.5	15	1.6	1.4	1508	1604	-	-
CG05-2-03SS	0.5	15	2.5	2.2	1508	1604	-	-
CG05-2-04SS	0.5	15	4	3.5	1508	1604	-	-
CG75-2-07SS	.75	20	6.3	5.4	1649	1745	-	-
CG1-2-10SS	1.0	25	10	8.7	1859	1955	-	-
DG125-2-16SS	1.25	32	16	13.8	-	-	2575	2680
DG150-2-25SS	1.50	40	25	21.6	-	-	2990	3095
DG2-2-40SS	2.0	50	40	34.6	-	-	3317	3422
Adder -A					-	-	716	358
Adder -H					-	-	952	952

**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	1703	-	1811
DG05-2-02SS	0.5	15	1.6	1.4	1703	-	1811
DG05-2-03SS	0.5	15	2.5	2.2	1703	-	1811
DG05-2-04SS	0.5	15	4	3.5	1703	-	1811
DG75-2-07SS	.75	20	6.3	5.4	1771	-	1879
DG1-2-10SS	1.0	25	10	8.7	1831	-	1939
DG125-2-16SS	1.25	32	16	13.8	-	5405	Use standard Closeoff or High Closeoff SR
DG150-2-25SS	1.50	40	25	21.6	-	5820	Use standard Closeoff or High Closeoff SR
DG2-2-40SS	2.0	50	40	34.6	-	6148	Use standard Closeoff or High Closeoff SR
Adder -A					716	716	358
Adder -H					952	952	952

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
DG05-2-01SS	0.5	15	1	0.9	2048	-	2153	-
DG05-2-02SS	0.5	15	1.6	1.4	2048	-	2153	-
DG05-2-03SS	0.5	15	2.5	2.2	2048	-	2153	-
DG05-2-04SS	0.5	15	4	3.5	2048	-	2153	-
DG75-2-07SS	.75	20	6.3	5.4	2118	-	2221	-
DG1-2-10SS	1.0	25	10	8.7	2178	-	2281	-
DG125-2-16SS	1.25	32	16	13.8	-	6169	-	4650
DG150-2-25SS	1.50	40	25	21.6	-	6584	-	5065
DG2-2-40SS	2.0	50	40	34.6	-	6911	-	5392
Adder -A					716	716	358	358
Adder -H					952	952	952	952

**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	1027	1152	-	-
CG05-3-006	0.5	15	0.63	0.5	1027	1152	-	-
CG05-3-01	0.5	15	1	0.9	1027	1152	-	-
CG05-3-02	0.5	15	1.6	1.4	1027	1152	-	-
CG05-3-03	0.5	15	2.5	2.2	1027	1152	-	-
CG05-3-04	0.5	15	4	3.5	1027	1152	-	-
CG75-3-07	.75	20	6.3	5.4	1051	1176	-	-
CG1-3-10	1.0	25	10	8.7	1137	1262	-	-
DG125-3-16	1.25	32	16	13.8	-	-	1394	1504
DG150-3-25	1.50	40	25	21.6	-	-	1900	2010
DG2-3-40	2.0	50	40	34.6	-	-	2110	2220
Adder -A					-	-	716	358
Adder -H					-	-	952	952

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	1226	1322	-	-
CG05-3-006	0.5	15	0.63	0.5	1226	1322	-	-
CG05-3-01	0.5	15	1	0.9	1226	1322	-	-
CG05-3-02	0.5	15	1.6	1.4	1226	1322	-	-
CG05-3-03	0.5	15	2.5	2.2	1226	1322	-	-
CG05-3-04	0.5	15	4	3.5	1226	1322	-	-
CG75-3-07	.75	20	6.3	5.4	1250	1346	-	-
CG1-3-10	1.0	25	10	8.7	1336	1432	-	-
DG125-3-16	1.25	32	16	13.8	-	-	1741	1846
DG150-3-25	1.50	40	25	21.6	-	-	2247	2352
DG2-3-40	2.0	50	40	34.6	-	-	2457	2562
Adder -A					-	-	716	358
Adder -H					-	-	952	952

### 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	1408	-	1517
DG05-3-02	0.5	15	1.6	1.4	1408	-	1517
DG05-3-03	0.5	15	2.5	2.2	1408	-	1517
DG05-3-04	0.5	15	4	3.5	1408	-	1517
DG75-3-07	.75	20	6.3	5.4	1438	-	1546
DG1-3-10	1.0	25	10	8.7	1573	-	1681
DG125-3-16	1.25	32	16	13.8	-	4571	Use standard Closeoff or High Closeoff SR
DG150-3-25	1.50	40	25	21.6	-	5077	Use standard Closeoff or High Closeoff SR
DG2-3-40	2.0	50	40	34.6	-	5287	Use standard Closeoff or High Closeoff SR
Adder -A					716	716	358
Adder -H					952	952	952

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	1754	-	1859	-
DG05-3-02	0.5	15	1.6	1.4	1754	-	1859	-
DG05-3-03	0.5	15	2.5	2.2	1754	-	1859	-
DG05-3-04	0.5	15	4	3.5	1754	-	1859	-
DG75-3-07	.75	20	6.3	5.4	1783	-	1888	-
DG1-3-10	1.0	25	10	8.7	1920	-	2023	-
DG125-3-16	1.25	32	16	13.8	-	5335	-	3816
DG150-3-25	1.50	40	25	21.6	-	5842	-	4322
DG2-3-40	2.0	50	40	34.6	-	6052	-	4532
Adder -A					716	716	358	358
Adder -H					952	952	952	952

**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	3114	295	609
DG3-2-100	3	80	100	85		3490		
DG4-2-160	4	100	160	137		4641		
DG5-2-250	5	125	250	214		6201		
DG6-2-400	6	150	400	340		7154		

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	3624	295	609
DG3-2-100	3	80	100	85		4000		
DG4-2-160	4	100	160	137		5151		
DG5-2-250	5	125	250	214		6711		
DG6-2-400	6	150	400	340		7664		

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	3624	295	609
DG3-2-100C	3	80	100	85		4000		
DG4-2-160C	4	100	160	137		5151		
DG5-2-250C	5	125	250	214		6711		
DG6-2-400C	6	150	400	340		7664		

**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	4436	
DG3-2-100	3	80	100	85		4812	
DG4-2-160	4	100	160	137	VAL-SRS15P	6586	
DG5-2-250	5	125	250	214		8146	
DG6-2-400	6	150	400	340		9099	

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	3464	295	609
DG3-3-100	3	80	100	85		4200		
DG4-3-160	4	100	160	137		7263		
DG5-3-250	5	125	250	214		10567		
DG6-3-400	6	150	400	340		12680		

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	3974	295	609
DG3-3-100	3	80	100	85		4710		
DG4-3-160	4	100	160	137		8155		
DG5-3-250	5	125	250	214		11077		
DG6-3-400	6	150	400	340		13190		

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	3974	295	609
DG3-3-100C	3	80	100	85		4710		
DG4-3-160C	4	100	160	137		8155		
DG5-3-250C	5	125	250	214		11077		
DG6-3-400C	6	150	400	340		13190		

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	4786
DG3-3-100	3	80	100	85		5522
DG4-3-160	4	100	160	137		9590
DG5-3-250	5	125	250	214	VAL-SRS15P	12512
DG6-3-400	6	150	400	340		14625

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	5031	295	609	186	
DG3-2-100SS	3	80	100	85						5350
DG4-2-160SS	4	100	160	137						6503
DG5-2-250SS	5	125	250	214						8136
DG6-2-400SS	6	150	400	340						9361

### 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	5541	295	609	186	
DG3-2-100SS	3	80	100	85						5860
DG4-2-160SS	4	100	160	137						7013
DG5-2-250SS	5	125	250	214						8646
DG6-2-400SS	6	150	400	340						9871

### 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	5541	295	609	186	
DG3-2-100SSC	3	80	100	85						5860
DG4-2-160SSC	4	100	160	137						7013
DG5-2-250SSC	5	125	250	214						8646
DG6-2-400SSC	6	150	400	340						9871

C=Normally Closed

#### 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.  
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	6353
DG3-2-100SS	3	80	100	85		6672
DG4-2-160SS	4	100	160	137	VAL-SRS15P	8448
DG5-2-250SS	5	125	250	214		10081
DG6-2-400SS	6	150	400	340		11306

#### Options/Adders

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

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

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	GA24-640-15	GAM24-225
DG250H-2-63	2.5	65	63	54.5	6515	-	6623
DG3H-2-100	3	80	100	86.5	7206	-	7315
DG4H-2-160	4	100	160	138.4	-	13354	Use standard Closeoff or High Closeoff SR
DG5H-2-250	5	125	250	216.3	-	15258	Use standard Closeoff or High Closeoff SR
DG6H-2-400	6	150	400	346.0	-	17789	Use standard Closeoff or High Closeoff SR
Adder -A					716	716	358
Adder -H					952	952	952

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	GAS24-640-15	GAMS24-225	VAL-SRS15P
DG250H-2-63	2.5	65	63	54.5	6860	-	6965	-
DG3H-2-100	3	80	100	86.5	7553	-	7657	-
DG4H-2-160	4	100	160	138.4	-	14713	-	12211
DG5H-2-250	5	125	250	216.3	-	16616	-	14114
DG6H-2-400	6	150	400	346.0	-	19148	-	16646
Adder -A					716	716	358	358
Adder -H					952	952	952	952

**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	1071	-	1141	-	1173	-
3LNE-25S2C	2.5	65	175	185	98	1106	-	1176	-	1208	-
3LNE-03S2C	3	80	175	360	171	1122	-	-	1634	-	1682
3LNE-04L2C	4	100	50	740	310	1228	-	1298	-	1330	-
3LNE-04S2C	4	100	175	740	310	1228	-	-	1946	-	2004
3LNE-05L2C	5	125	50	1218	470	1504	-	-	2198	-	2246
3LNE-05S2C	5	125	175	1218	470	-	2094	-	-	-	-
3LNE-06L2C	6	150	50	1900	757	-	2312	-	-	-	-
Adder -A						117	118	121	121	121	121
Adder -WS						387	525	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	1142	-	1289	-
3LNE-25S2C	2.5	65	175	185	98	1177	-	1324	-
3LNE-03S2C	3	80	175	360	171	1193	-	-	1855
3LNE-04L2C	4	100	50	740	310	1299	-	1446	-
3LNE-04S2C	4	100	175	740	310	1299	-	-	2212
3LNE-05L2C	5	125	50	1218	470	1564	-	-	2419
3LNE-05S2C	5	125	175	1218	470	-	2199	-	-
3LNE-06L2C	6	150	50	1900	757	-	2417	-	-
Adder -A						118	118	121	123
Adder -WS						387	525	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	1078	-	1148	-	1180	-
3LSE-25S2C	2.5	65	175	185	98	1113	-	1183	-	1215	-
3LSE-03S2C	3	80	175	360	171	1128	-	-	1640	-	1688
3LSE-04L2C	4	100	50	740	310	1251	-	-	1645	-	1693
3LSE-04S2C	4	100	175	740	310	1251	-	-	1645	-	1693
3LSE-05L2C	5	125	50	1218	470	1865	-	-	2272	-	2320
3LSE-05S2C	5	125	175	1218	470	-	2168	-	-	-	-
3LSE-06L2C	6	150	50	1900	757	-	2384	-	-	-	-
Adder -A						117	118	121	121	121	121
Adder -WS						387	525	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	1149	-	1296	-
3LSE-25S2C	2.5	65	175	185	98	1184	-	1331	-
3LSE-03S2C	3	80	175	360	171	1199	-	-	1861
3LSE-04L2C	4	100	50	740	310	1322	-	-	1866
3LSE-04S2C	4	100	175	740	310	1322	-	-	1866
3LSE-05L2C	5	125	50	1218	470	1936	-	-	2493
3LSE-05S2C	5	125	175	1218	470	-	2273	-	-
3LSE-06L2C	6	150	50	1900	757	-	2489	-	-
Adder -A						118	118	121	123
Adder -WS						387	525	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	
In.	mm	90°	60°	24 VAC		24 VAC/DC		120 VAC			
3LNE-02S3X	2	50	175	87	66	2207	-	2277	-	2309	-
3LNE-25S3X	2.5	65	175	185	98	2457	-	-	2828	-	2876
3LNE-03S3X	3	80	175	360	171	2599	-	-	2970	-	3018
3LNE-04L3X	4	100	50	740	310	3675	-	-	4046	-	4094
3LNE-04S3X	4	100	175	740	310	-	3942	-	-	-	-
3LNE-05L3X	5	125	50	1218	470	4340	-	-	4988	-	5036
3LNE-06L3X	6	150	50	1900	757	-	5177	-	-	-	-
Adder -A						117	118	121	121	121	121
Adder -WS						387	494	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	2278	-	2425	-	
3LNE-25S3X	2.5	65	175	185	98	2528	-	-	3049	
3LNE-03S3X	3	80	175	360	171	2670	-	-	3191	
3LNE-04L3X	4	100	50	740	310	3746	-	-	4267	
3LNE-04S3X	4	100	175	740	310	-	4047	-	-	
3LNE-05L3X	5	125	50	1218	470	4407	-	-	5209	
3LNE-06L3X	6	150	50	1900	757	-	5275	-	-	
Adder -A						118	118	121	123	
Adder -WS						387	494	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	
In.	mm	90°	60°	24 VAC		24 VAC/DC		120 VAC			
3LSE-02S3X	2	50	175	87	66	2321	-	2291	-	2323	-
3LSE-25S3X	2.5	65	175	185	98	2471	-	-	2842	-	2890
3LSE-03S3X	3	80	175	360	171	2611	-	-	2982	-	3030
3LSE-04L3X	4	100	50	740	310	3721	-	-	4092	-	4140
3LSE-04S3X	4	100	175	740	310	-	3988	-	-	-	-
3LSE-05L3X	5	125	50	1218	470	-	5032	-	5136	-	5184
3LSE-06L3X	6	150	50	1900	757	-	5651	-	-	-	-
Adder -A						117	118	121	121	121	121
Adder -WS						387	525	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	2292	-	2439	-	
3LSE-25S3X	2.5	65	175	185	98	2542	-	-	3063	
3LSE-03S3X	3	80	175	360	171	2682	-	-	3203	
3LSE-04L3X	4	100	50	740	310	3792	-	-	4313	
3LSE-04S3X	4	100	175	740	310	-	4093	-	-	
3LSE-05L3X	5	125	50	1218	470	-	5137	-	5357	
3LSE-06L3X	6	150	50	1900	757	-	5756	-	-	
Adder -A						118	118	121	123	
Adder -WS						387	525	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 63)  
 -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	889	-	-	1230	-
3LNE-25S2C	2.5	65	175	185	98	924	-	-	1265	-
3LNE-03S2C	3	80	175	360	171	-	1080	-	1281	-
3LNE-04L2C	4	100	50	740	310	-	1183	-	1530	-
3LNE-04S2C	4	100	175	740	310	-	-	1566	-	2043
3LNE-05L2C	5	125	50	1218	470	-	1749	-	-	2499
3LNE-05S2C	5	125	175	1218	470	-	-	2145	-	-
3LNE-06L2C	6	150	50	1900	757	-	-	2363	-	2581
Adder -A						121	121	121	118	117
Adder -WS						364	364	457	366	457

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	1090	-	-	1473	-
3LNE-25S2C	2.5	65	175	185	98	1125	-	-	1508	-
3LNE-03S2C	3	80	175	360	171	-	1221	-	1524	-
3LNE-04L2C	4	100	50	740	310	-	1324	-	2660	-
3LNE-04S2C	4	100	175	740	310	-	-	2006	-	2466
3LNE-05L2C	5	125	50	1218	470	-	1890	-	-	2922
3LNE-05S2C	5	125	175	1218	470	-	-	2585	-	-
3LNE-06L2C	6	150	50	1900	757	-	-	2803	-	2983
Adder -A						121	121	122	118	118
Adder -WS						364	364	457	366	457

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	896	-	-	1237	-
3LSE-25S2C	2.5	65	175	185	98	-	1071	-	1272	-
3LSE-03S2C	3	80	175	360	171	-	1086	-	1287	-
3LSE-04L2C	4	100	50	740	310	-	1206	-	1553	-
3LSE-04S2C	4	100	175	740	310	-	-	1589	-	2066
3LSE-05L2C	5	125	50	1218	470	-	1823	-	-	2573
3LSE-05S2C	5	125	175	1218	470	-	-	2219	-	-
3LSE-06L2C	6	150	50	1900	757	-	-	2435	-	-
Adder -A						121	121	121	118	117
Adder -WS						364	364	457	366	457

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	1097	-	-	1480	-
3LSE-25S2C	2.5	65	175	185	98	-	1212	-	1515	-
3LSE-03S2C	3	80	175	360	171	-	1227	-	1530	-
3LSE-04L2C	4	100	50	740	310	-	1347	-	2694	-
3LSE-04S2C	4	100	175	740	310	-	-	2029	-	2489
3LSE-05L2C	5	125	50	1218	470	-	1964	-	-	2996
3LSE-05S2C	5	125	175	1218	470	-	-	2659	-	-
3LSE-06L2C	6	150	50	1900	757	-	-	2875	-	-
Adder -A						121	121	122	118	118
Adder -WS						364	364	457	366	457

**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	2015	-	-	2356	-
3LNE-25S3X	2.5	65	175	185	98	-	2405	-	2606	-
3LNE-03S3X	3	80	175	360	171	-	2547	-	-	3261
3LNE-04L3X	4	100	50	740	310	-	3623	-	-	4337
3LNE-04S3X	4	100	175	740	310	-	-	3983	-	4337
3LNE-05L3X	5	125	50	1218	470	-	-	4630	-	5279
3LNE-06L3X	6	150	50	1900	757	-	-	5215	-	-
Adder -A						121	121	121	118	117
Adder -WS						364	364	457	366	457

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	2216	-	-	2599	-
3LNE-25S3X	2.5	65	175	185	98	-	2546	-	2849	-
3LNE-03S3X	3	80	175	360	171	-	2547	-	-	3684
3LNE-04L3X	4	100	50	740	310	-	3764	-	-	4760
3LNE-04S3X	4	100	175	740	310	-	-	4423	-	4760
3LNE-05L3X	5	125	50	1218	470	-	-	5043	-	5702
3LNE-06L3X	6	150	50	1900	757	-	-	5629	-	-
Adder -A						121	121	122	118	118
Adder -WS						364	364	457	366	457

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	2169	-	2370	-
3LSE-25S3X	2.5	65	175	185	98	2419	-	2620	-
3LSE-03S3X	3	80	175	360	171	-	2919	-	3273
3LSE-04L3X	4	100	50	740	310	3669	-	-	4383
3LSE-04S3X	4	100	175	740	310	-	4029	-	-
3LSE-05L3X	5	125	50	1218	470	-	5073	-	5427
Adder -A						121	121	118	117
Adder -WS						364	457	366	457

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	2310	-	2613	-	
3LSE-25S3X	2.5	65	175	185	98	2560	-	2863	-	
3LSE-03S3X	3	80	175	360	171	-	2919	-	3696	
3LSE-04L3X	4	100	50	740	310	3810	-	-	4806	
3LSE-04S3X	4	100	175	740	310	-	4469	-	-	
3LSE-05L3X	5	125	50	1218	470	-	5513	-	5850	
Adder -A						121	122	118	118	
Adder -WS						364	457	366	457	

### 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 63)

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				H Adder	-BBU Adder (24V Units Only)
Valve Model Details	Size		Close-Off psi	Cv		On/Off	Modulating	Price	On/Off	Modulating	Price	H Adder	-BBU Adder (24V Units Only)		
	In.	mm		90°	60°	120 VAC			24 VAC						
3LNE-02S2C	2	50	175	87	66	70-0081	1867	70-0081SV	2720	70-24-0081	2269	70-24-0081SV	2809	48	2207
3LNE-25S2C	2.5	65	175	185	98	70-0081	1890	70-0081SV	2742	70-24-0081	2298	70-24-0081SV	2875	48	2206
3LNE-03S2C	3	80	175	360	171	70-0081	1930	70-0081SV	2796	70-24-0081	2339	70-24-0081SV	2886	48	2233
3LNE-04L2C	4	100	50	740	310	70-0081	3135	70-0081SV	4556	70-24-0081	3007	70-24-0081SV	4499	72	2627
3LNE-04S2C	4	100	175	740	310	70-0081	3135	70-0081SV	4556	70-24-0081	3007	70-24-0081SV	4499	72	2627
3LNE-05L2C	5	125	50	1218	470	70-0081	3591	70-0081SV	5012	70-24-0081	3463	70-24-0081SV	4955	72	2627
3LNE-05S2C	5	125	175	1218	470	70-0081	3591	70-0081SV	5012	70-24-0081	3463	70-24-0081SV	4955	72	2627
3LNE-06L2C	6	150	50	1900	757	70-0081	3809	70-0081SV	5230	70-24-0081	3681	70-24-0081SV	5173	72	2627
3LNE-06S2C	6	150	175	1900	757	70-0081	3809	70-0081SV	5230	70-24-0081	3681	70-24-0081SV	5173	72	2627
3LNE-08L2C	8	200	50	3765	1247	70-0121	5094	70-0121SV	6473	70-24-0201	4976	70-24-0201SV	6471	71	2382
3LNE-08S2C	8	200	175	3765	1247	70-0121	5094	70-0121SV	6473	70-24-0201	4976	70-24-0201SV	6471	71	2382
3LNE-10L2C	10	250	50	6661	2005	70-0121	5492	70-0121SV	6944	70-24-0201	5784	70-24-0201SV	7320	75	2707
3LNE-10S2C	10	250	175	6661	2005	70-0201	6024	70-0201SV	7478	70-24-0201	5784	70-24-0201SV	7320	76	2707
3LNE-12L2C	12	300	50	10066	2868	70-0201	6836	70-0201SV	8290	70-24-0201	6596	70-24-0201SV	8132	76	2707
3LNE-12S2C	12	300	175	10066	2868	70-E301	8117	70-E301SV	9729	70-24-0501	9671	70-24-0501SV	11209	74	2708
3LNE-14L2C	14	350	50	11598	3328	70-0501	9967	70-0501SV	11361	70-24-0501	9968	70-24-0501SV	11506	75	2708
3LNE-14S2C	14	350	150	11598	3328	70-0501	9967	70-0501SV	11361	70-24-0501	9968	70-24-0501SV	11506	75	2708
3LNE-16L2C	16	400	50	15395	4440	70-0501	12849	70-0501SV	14243	70-24-0501	12850	70-24-0501SV	14388	75	2708
3LNE-16S2C	16	400	150	15395	4440	70-0651	13223	70-0651SV	14615	-	-	-	-	75	-
3LNE-18L2C	18	450	50	20120	5509	70-0651	16845	70-0651SV	18237	-	-	-	-	75	-
3LNE-18S2C	18	450	150	20120	5509	70-1300	18118	70-1300SV	19585	-	-	-	-	75	-
3LNE-20L2C	20	500	50	25329	7056	70-1300	20622	70-1300SV	22089	-	-	-	-	75	-
3LNE-20S2C	20	500	150	25329	7056	70-1800	21614	70-1800SV	22829	-	-	-	-	75	-
3LNE-24L2C	24	600	50	39396	10267	70-1800	27973	70-1800SV	29188	-	-	-	-	75	-
3LNE-24S2C	24	600	150	39396	10267	AU-4068*	44619	AU-4068SV*	46163	-	-	-	-	included	-
NYF2-C301	30	750	75	52443	18090	AU-4068*	51965	AU-4068SV*	53509	-	-	-	-	included	-
NYF2-C300	30	750	150	52443	18090	AU-7080*	57368	AU-7080SV*	58911	-	-	-	-	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				H Adder	-BBU Adder (24V Units Only)
Valve Model Details	Size		Close-Off psi	Cv		On/Off	Modulating	Price	On/Off	Modulating	Price	H Adder	-BBU Adder (24V Units Only)		
	In.	mm		90°	60°	120 VAC			24 VAC						
3LSE-02S2C	2	50	175	87	66	70-0081	1872	70-0081SV	2724	70-24-0081	2275	70-24-0081SV	2814	47	2207
3LSE-25S2C	2.5	65	175	185	98	70-0081	1895	70-0081SV	2747	70-24-0081	2304	70-24-0081SV	2880	47	2207
3LSE-03S2C	3	80	175	360	171	70-0081	1934	70-0081SV	2800	70-24-0081	2344	70-24-0081SV	2890	48	2233
3LSE-04L2C	4	100	50	740	310	70-0081	3158	70-0081SV	4579	70-24-0081	3030	70-24-0081SV	4522	72	2627
3LSE-04S2C	4	100	175	740	310	70-0081	3158	70-0081SV	4579	70-24-0081	3030	70-24-0081SV	4522	72	2627
3LSE-05L2C	5	125	50	1218	470	70-0081	3665	70-0081SV	5086	70-24-0081	3537	70-24-0081SV	5029	72	2627
3LSE-05S2C	5	125	175	1218	470	70-0081	3665	70-0081SV	5086	70-24-0081	3537	70-24-0081SV	5029	72	2627
3LSE-06L2C	6	150	50	1900	757	70-0081	3881	70-0081SV	5302	70-24-0081	3753	70-24-0081SV	5245	72	2627
3LSE-06S2C	6	150	175	1900	757	70-0081	3881	70-0081SV	5302	70-24-0081	3753	70-24-0081SV	5245	72	2627
3LSE-08L2C	8	200	50	3765	1247	70-0121	4947	70-0121SV	6268	70-24-0201	5212	70-24-0201SV	6610	68	2463
3LSE-08S2C	8	200	175	3765	1247	70-0201	5431	70-0201SV	6754	70-24-0201	5212	70-24-0201SV	6610	69	2463
3LSE-10L2C	10	250	50	6661	2005	70-0121	5603	70-0121SV	7055	70-24-0201	5895	70-24-0201SV	7431	75	2707
3LSE-10S2C	10	250	175	6661	2005	70-0201	6135	70-0201SV	7589	70-24-0201	5895	70-24-0201SV	7431	76	2707
3LSE-12L2C	12	300	50	10066	2868	70-0201	7576	70-0201SV	9030	70-24-0201	7336	70-24-0201SV	8872	76	2707
3LSE-12S2C	12	300	175	10066	2868	70-E301	8857	70-E301SV	10469	70-24-0501	10411	70-24-0501SV	11949	74	2708
3LSE-14S2C	14	350	150	11598	3328	70-0501	11297	70-0501SV	12691	70-24-0501	11298	70-24-0501SV	12836	75	2708
3LSE-16S2C	16	400	150	15395	4440	70-1300	16196	70-1300SV	17663	-	-	-	-	75	-
3LSE-18S2C	18	450	150	20120	5509	70-1300	21078	70-1300SV	22545	-	-	-	-	75	-
3LSE-20S2C	20	500	150	25329	7056	70-1800	25756	70-1800SV	26971	-	-	-	-	75	-
3LSE-24S2C	24	600	150	39396	10267	AU-4068*	47576	AU-4068SV*	49120	-	-	-	-	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	2801	70-0081SV	3711	70-24-0081	2719	70-24-0081SV	3674	46	1681
3LNE-25S3X	2.5	65	175	185	98	70-0081	3008	70-0081SV	3931	70-24-0081	2924	70-24-0081SV	3894	46	1707
3LNE-03S3X	3	80	175	360	171	70-0081	4769	70-0081SV	6190	70-24-0081	4641	70-24-0081SV	6133	72	2627
3LNE-04L3X	4	100	50	740	310	70-0081	5845	70-0081SV	7266	70-24-0081	5717	70-24-0081SV	7209	72	2627
3LNE-04S3X	4	100	175	740	310	70-0081	5845	70-0081SV	7266	70-24-0081	5717	70-24-0081SV	7209	72	2627
3LNE-05L3X	5	125	50	1218	470	70-0081	6787	70-0081SV	8208	70-24-0081	6659	70-24-0081SV	8151	72	2627
3LNE-05S3X	5	125	175	1218	470	70-0081	6787	70-0081SV	8208	70-24-0081	6659	70-24-0081SV	8151	72	2627
3LNE-06L3X	6	150	50	1900	757	70-0081	7410	70-0081SV	8831	70-24-0081	7282	70-24-0081SV	8774	72	2627
3LNE-06S3X	6	150	175	1900	757	70-0081	7410	70-0081SV	8831	70-24-0081	7282	70-24-0081SV	8774	72	2627
3LNE-08L3X	8	200	50	3765	1247	70-0121	8618	70-0121SV	9998	70-24-0201	8896	70-24-0201SV	10355	72	2572
3LNE-08S3X	8	200	175	3765	1247	70-0201	9124	70-0201SV	10505	70-24-0201	8896	70-24-0201SV	10355	72	2572
3LNE-10L3X	10	250	50	6661	2005	70-0201	10021	70-0201SV	11475	70-24-0201	9781	70-24-0201SV	11317	76	2707
3LNE-10S3X	10	250	175	6661	2005	70-E301	11302	70-E301SV	12914	70-24-0501	12806	70-24-0501SV	14344	74	2708
3LNE-12L3X	12	300	50	10066	2868	70-0201	12224	70-0201SV	13678	70-24-0201	11984	70-24-0201SV	13520	76	2707
3LNE-12S3X	12	300	175	10066	2868	70-0501	15008	70-0501SV	16402	70-24-0501	15009	70-24-0501SV	16547	75	2708
3LNE-14L3X	14	350	50	11598	3328	70-0501	25305	70-0501SV	26699	70-24-0501	25306	70-24-0501SV	26844	75	2708
3LNE-14S3X	14	350	150	11598	3328	70-0651	25679	70-0651SV	27071	-	-	-	-	75	-
3LNE-16L3X	16	400	50	15395	4440	70-0651	32168	70-0651SV	33560	-	-	-	-	75	-
3LNE-16S3X	16	400	150	15395	4440	70-1300	33430	70-1300SV	34897	-	-	-	-	75	-
3LNE-18L3X	18	450	50	20120	5509	70-1300	44294	70-1300SV	45761	-	-	-	-	75	-
3LNE-18S3X	18	450	150	20120	5509	70-1800	45286	70-1800SV	46501	-	-	-	-	75	-
3LNE-20L3X	20	500	50	25329	7056	70-1800	52488	70-1800SV	53703	-	-	-	-	75	-
3LNE-20S3X	20	500	150	25329	7056	AU-4068*	65695	AU-4068SV*	67239	-	-	-	-	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	2810	70-0081SV	3720	70-24-0081	2728	70-24-0081SV	3683	46	1681
3LSE-25S3X	2.5	65	175	185	98	70-0081	3017	70-0081SV	3940	70-24-0081	2933	70-24-0081SV	3903	46	1707
3LSE-03S3X	3	80	175	360	171	70-0081	4781	70-0081SV	6202	70-24-0081	4653	70-24-0081SV	6145	72	2627
3LSE-04L3X	4	100	50	740	310	70-0081	5891	70-0081SV	7312	70-24-0081	5763	70-24-0081SV	7255	72	2627
3LSE-04S3X	4	100	175	740	310	70-0081	5891	70-0081SV	7312	70-24-0081	5763	70-24-0081SV	7255	72	2627
3LSE-05L3X	5	125	50	1218	470	70-0081	6935	70-0081SV	8356	70-24-0081	6807	70-24-0081SV	8299	72	2627
3LSE-05S3X	5	125	175	1218	470	70-0081	6935	70-0081SV	8356	70-24-0081	6807	70-24-0081SV	8299	72	2627
3LSE-06L3X	6	150	50	1900	757	70-0081	7554	70-0081SV	8975	70-24-0081	7426	70-24-0081SV	8918	72	2627
3LSE-06S3X	6	150	175	1900	757	70-0081	7554	70-0081SV	8975	70-24-0081	7426	70-24-0081SV	8918	72	2627
3LSE-08L3X	8	200	50	3765	1247	70-0121	8759	70-0121SV	10138	70-24-0201	9036	70-24-0201SV	10496	71	2571
3LSE-08S3X	8	200	175	3765	1247	70-0201	9264	70-0201SV	10646	70-24-0201	9036	70-24-0201SV	10496	73	2571
3LSE-10L3X	10	250	50	6661	2005	70-0201	10243	70-0201SV	11697	70-24-0201	10003	70-24-0201SV	11539	76	2707
3LSE-10S3X	10	250	175	6661	2005	70-E301	11524	70-E301SV	13136	70-24-0501	13028	70-24-0501SV	14566	74	2708
3LSE-12L3X	12	300	50	10066	2868	70-E301	14985	70-E301SV	16597	70-24-0501	16489	70-24-0501SV	18027	74	2708
3LSE-12S3X	12	300	175	10066	2868	70-0501	16488	70-0501SV	17882	70-24-0501	16489	70-24-0501SV	18027	75	2708
3LSE-14S3X	14	350	150	11598	3328	70-0651	28339	70-0651SV	29731	-	-	-	-	75	-
3LSE-16S3X	16	400	150	15395	4440	70-1300	36830	70-1300SV	38297	-	-	-	-	75	-
3LSE-18S3X	18	450	150	20120	5509	70-1800	51206	70-1800SV	52421	-	-	-	-	75	-
3LSE-20S3X	20	500	150	25329	7056	AU-4068*	73979	AU-4068SV*	75523	-	-	-	-	Included	-

**Options/Adders**  
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 63)  
 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	1151	-	-	-	-	-	-	959
3LNE-25S2C	2.5	65	175	185	98	1151	-	-	-	-	-	-	959
3LNE-03S2C	3	80	175	360	171	1223	-	-	-	-	-	-	959
3LNE-04L2C	4	100	50	740	310	-	1506	-	-	-	-	-	959
3LNE-04S2C	4	100	175	740	310	-	1506	-	-	-	-	-	959
3LNE-05L2C	5	125	50	1218	470	-	1682	-	-	-	-	-	959
3LNE-05S2C	5	125	175	1218	470	-	1682	-	-	-	-	-	959
3LNE-06L2C	6	150	50	1900	757	-	1908	-	-	-	-	-	959
3LNE-06S2C	6	150	175	1900	757	-	1908	-	-	-	-	-	1417
3LNE-08L2C	8	200	50	3765	1247	-	-	2877	-	-	-	-	1417
3LNE-08S2C	8	200	175	3765	1247	-	-	2877	-	-	-	-	1417
3LNE-10L2C	10	250	50	6661	2005	-	-	3458	-	-	-	-	1417
3LNE-10S2C	10	250	175	6661	2005	-	-	3458	-	-	-	-	1417
3LNE-12L2C	12	300	50	10066	2868	-	-	3845	-	-	-	-	1417
3LNE-12S2C	12	300	175	10066	2868	-	-	-	4989	-	-	-	1417
3LNE-14L2C	14	350	50	11598	3328	-	-	-	5971	-	-	-	1417
3LNE-14S2C	14	350	150	11598	3328	-	-	-	-	7126	-	-	1960
3LNE-16L2C	16	400	50	15395	4440	-	-	-	-	8859	-	-	1960
3LNE-16S2C	16	400	150	15395	4440	-	-	-	-	-	10303	-	1960
3LNE-18L2C	18	450	50	20120	5509	-	-	-	-	-	12361	-	2288
3LNE-18S2C	18	450	150	20120	5509	-	-	-	-	-	12361	-	2288
3LNE-20L2C	20	500	50	25329	7056	-	-	-	-	-	14871	-	2600
3LNE-20S2C	20	500	150	25329	7056	-	-	-	-	-	-	24066	2600
3LNE-24L2C	24	600	50	39396	10267	-	-	-	-	-	-	27771	11746
NYF2-C301	30	750	75	52443	18090	-	-	-	-	-	-	31426	11746

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	31360
NYF2-C300	30	750	150	52443	18090	14E3-12-DA-C	47137

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	1136	-	-	-	-	-	-	959
3LSE-25S2C	2.5	65	175	185	98	1178	-	-	-	-	-	-	959
3LSE-03S2C	3	80	175	360	171	1252	-	-	-	-	-	-	959
3LSE-04L2C	4	100	50	740	310	-	1571	-	-	-	-	-	959
3LSE-04S2C	4	100	175	740	310	-	1571	-	-	-	-	-	959
3LSE-05L2C	5	125	50	1218	470	-	1760	-	-	-	-	-	959
3LSE-05S2C	5	125	175	1218	470	-	1760	-	-	-	-	-	959
3LSE-06L2C	6	150	50	1900	757	-	2029	-	-	-	-	-	959
3LSE-06S2C	6	150	175	1900	757	-	2029	-	-	-	-	-	1417
3LSE-08L2C	8	200	50	3765	1247	-	-	3123	-	-	-	-	1417
3LSE-08S2C	8	200	175	3765	1247	-	-	3123	-	-	-	-	1417
3LSE-10L2C	10	250	50	6661	2005	-	-	3941	-	-	-	-	1417
3LSE-10S2C	10	250	175	6661	2005	-	-	3941	-	-	-	-	1417
3LSE-12L2C	12	300	50	10066	2868	-	-	4879	-	-	-	-	1417
3LSE-12S2C	12	300	175	10066	2868	-	-	-	5952	-	-	-	1417
3LSE-14S2C	14	350	150	11598	3328	-	-	-	-	8435	-	-	1960
3LSE-16S2C	16	400	150	15395	4440	-	-	-	-	-	12346	-	1960
3LSE-18S2C	18	450	150	20120	5509	-	-	-	-	-	15493	-	2288
3LSE-20S2C	20	500	150	25329	7056	-	-	-	-	-	-	27847	2600

**Options/Adders**

\* For Manual Override, add "-5" to the end of the part number.  
For additional options and adders, see Pages 56 & 57.



## 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	3080	-	-	-	-	959
3LNE-25S3X	2.5	65	175	185	98	3201	-	-	-	-	959
3LNE-03S3X	3	80	175	360	171	3324	-	-	-	-	959
3LNE-04L3X	4	100	50	740	310	3965	-	-	-	-	959
3LNE-04S3X	4	100	175	740	310	3965	-	-	-	-	959
3LNE-05L3X	5	125	50	1218	470	5110	-	-	-	-	959
3LNE-05S3X	5	125	175	1218	470	5255	-	-	-	-	959
3LNE-06L3X	6	150	50	1900	757	5539	-	-	-	-	959
3LNE-06S3X	6	150	175	1900	757	5539	-	-	-	-	1417
3LNE-08L3X	8	200	50	3765	1247	-	7921	-	-	-	1417
3LNE-08S3X	8	200	175	3765	1247	-	7921	-	-	-	1417
3LNE-10L3X	10	250	50	6661	2005	-	9464	-	-	-	1417
3LNE-10S3X	10	250	175	6661	2005	-	9464	-	-	-	1417
3LNE-12L3X	12	300	50	10066	2868	-	12788	-	-	-	1417
3LNE-12S3X	12	300	175	10066	2868	-	-	17346	-	-	1417
3LNE-14L3X	14	350	50	11598	3328	-	-	24778	-	-	1417
3LNE-14S3X	14	350	150	11598	3328	-	-	-	27878	-	1960
3LNE-16L3X	16	400	50	15395	4440	-	-	-	34836	-	1960
3LNE-16S3X	16	400	150	15395	4440	-	-	-	-	44290	2599
3LNE-18L3X	18	450	50	20120	5509	-	-	-	39234	-	2288
3LNE-18S3X	18	450	150	20120	5509	-	-	-	-	48964	2599
3LNE-20L3X	20	500	50	25329	7056	-	-	-	46678	-	2600
3LNE-20S3X	20	500	150	25329	7056	-	-	-	-	57137	2600

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	3125	-	-	-	-	-	959
3LSE-25S3X	2.5	65	175	185	98	3255	-	-	-	-	-	959
3LSE-03S3X	3	80	175	360	171	3383	-	-	-	-	-	959
3LSE-04L3X	4	100	50	740	310	4097	-	-	-	-	-	959
3LSE-04S3X	4	100	175	740	310	4215	-	-	-	-	-	959
3LSE-05L3X	5	125	50	1218	470	5162	-	-	-	-	-	959
3LSE-05S3X	5	125	175	1218	470	5409	-	-	-	-	-	959
3LSE-06L3X	6	150	50	1900	757	5782	-	-	-	-	-	959
3LSE-06S3X	6	150	175	1900	757	5782	-	-	-	-	-	1417
3LSE-08L3X	8	200	50	3765	1247	-	8416	-	-	-	-	1417
3LSE-08S3X	8	200	175	3765	1247	-	8416	-	-	-	-	1417
3LSE-10L3X	10	250	50	6661	2005	-	10429	-	-	-	-	1417
3LSE-10S3X	10	250	175	6661	2005	-	-	10439	-	-	-	1417
3LSE-12L3X	12	300	50	10066	2868	-	14715	-	-	-	-	1417
3LSE-12S3X	12	300	175	10066	2868	-	-	-	19272	-	-	1417
3LSE-14S3X	14	350	150	11598	3328	-	-	-	-	30498	-	1960
3LSE-16S3X	16	400	150	15395	4440	-	-	-	-	-	48376	2599
3LSE-18S3X	18	450	150	20120	5509	-	-	-	-	-	55965	2599
3LSE-20S3X	20	500	150	25329	7056	-	-	-	-	-	64698	2600

Stainless Steel Disc

**Options/Adders**  
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 63)  
 \* For Manual Override, add "-5" to the end of the part number.  
 For additional options and adders, see Pages 56 & 57.



## 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	1661	93-0832	1603	959
3LNE-25S2C	2.5	65	175	185	98	93-0833	1754	93-0832	1707	959
3LNE-03S2C	3	80	175	360	171	93-0834	1840	93-0833	1791	959
3LNE-04L2C	4	100	50	740	310	93-0833	1964	93-0833	1926	959
3LNE-04S2C	4	100	175	740	310	93-0836	2140	93-0834	1936	959
3LNE-05L2C	5	125	50	1218	470	93-0835	2297	93-0834	2094	959
3LNE-05S2C	5	125	175	1218	470	93-0935	2448	93-0934	2436	1054
3LNE-06L2C	6	150	50	1900	757	93-0935	2621	93-0934	2611	1054
3LNE-06S2C	6	150	175	1900	757	93-1194	3076	93-1193	2982	1418
3LNE-08L2C	8	200	50	3765	1247	93-1194	3662	93-1193	3578	1418
3LNE-08S2C	8	200	175	3765	1247	93-1603	4950	93-1284	3612	1418
3LNE-10L2C	10	250	50	6661	2005	93-1603	5274	93-1283	4996	1418
3LNE-10S2C	10	250	175	6661	2005	93-1605	6978	93-1603	6895	1418
3LNE-12L2C	12	300	50	10066	2868	93-1604	7178	93-1603	7011	1418
3LNE-12S2C	12	300	175	10066	2868	93-2103	9981	93-2102	9840	2235
3LNE-14L2C	14	350	50	11598	3328	93-2103	11119	93-2102	11019	2235
3LNE-14S2C	14	350	150	11598	3328	93-2106	11583	93-2104	11561	2235
3LNE-16L2C	16	400	50	15395	4440	93-2105	12985	93-2103	12768	2235
3LNE-16S2C	16	400	150	15395	4440	93-2554	22690	93-2553	21799	11746
3LNE-18L2C	18	450	50	20120	5509	93-2105	16436	93-2103	16201	2235
3LNE-18S2C	18	450	150	20120	5509	93-2555	26011	93-2553	24102	11746
3LNE-20L2C	20	500	50	25329	7056	93-2553	27021	93-2552	26134	11746
3LNE-20S2C	20	500	150	25329	7056	93-2556	29774	93-2554	28907	11746

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	45738			
3LNE-24S2C	24	600	150	39396	10267	73E2-14-SR4-C	50293			
NYF2-C301	30	750	75	52443	18090	73E2-14-SR3-C	55935			
NYF2-C300	30	750	150	52443	18090	14E3-14-SR3-C	59341			

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	1684	93-0832	1625	959
3LSE-25S2C	2.5	65	175	185	98	93-0833	1782	93-0833	1733	959
3LSE-03S2C	3	80	175	360	171	93-0834	1869	93-0833	1821	959
3LSE-04L2C	4	100	50	740	310	93-0834	2029	93-0833	1991	959
3LSE-04S2C	4	100	175	740	310	93-0935	2205	93-0933	2001	959
3LSE-05L2C	5	125	50	1218	470	93-0835	2374	93-0834	2172	959
3LSE-05S2C	5	125	175	1218	470	93-1193	2524	93-1194	2514	1054
3LSE-06L2C	6	150	50	1900	757	93-0935	2742	93-0934	2732	1054
3LSE-06S2C	6	150	175	1900	757	93-1194	3199	93-1193	3103	1418
3LSE-08L2C	8	200	50	3765	1247	93-1195	3909	93-1193	3825	1418
3LSE-08S2C	8	200	175	3765	1247	93-1603	5197	93-1283	3858	1418
3LSE-10L2C	10	250	50	6661	2005	93-1603	5756	93-1283	5479	1418
3LSE-10S2C	10	250	175	6661	2005	93-1605	7460	93-1603	7378	1418
3LSE-12L2C	12	300	50	10066	2868	93-1605	8140	93-1603	7972	1418
3LSE-12S2C	12	300	175	10066	2868	93-2104	10944	93-2103	10803	2235
3LSE-14S2C	14	350	150	11598	3328	93-2553	12891	93-2552	12869	2599
3LSE-16S2C	16	400	150	15395	4440	93-2554	24733	93-2554	23842	11746
3LSE-18S2C	18	450	150	20120	5509	93-2553	29142	93-2553	27234	11746

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	39135			
3LSE-24S2C	24	600	150	39396	10267	45E2-12-SR3	51737			
NYF2-C301	30	750	75	52443	18090	45E2-12-SR3	58823			
NYF2-C300	30	750	150	52443	18090	14E3-14-SR3-C	62229			

**Options/Adders**

\* For Manual Override, add "-5" to the end of the part number.  
For additional options and adders, see Pages 56 & 57.

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	4156	-	-	-	-	-
3LNE-25S3X	2.5	65	175	185	98	3968	-	-	-	-	-
3LNE-03S3X	3	80	175	360	171	4118	-	-	-	-	-
3LNE-04L3X	4	100	50	740	310	4718	-	-	-	-	-
3LNE-04S3X	4	100	175	740	310	-	5006	-	-	-	-
3LNE-05L3X	5	125	50	1218	470	-	5292	-	-	-	-
3LNE-05S3X	5	125	175	1218	470	-	-	6258	-	-	-
3LNE-06L3X	6	150	50	1900	757	-	6066	-	-	-	-
3LNE-06S3X	6	150	175	1900	757	-	-	6348	-	-	-
3LNE-08L3X	8	200	50	3765	1247	-	-	8693	-	-	-
3LNE-08S3X	8	200	175	3765	1247	-	-	-	13399	-	-
3LNE-10L3X	10	250	50	6661	2005	-	-	-	14526	-	-
3LNE-10S3X	10	250	175	6661	2005	-	-	-	14526	-	-
3LNE-12L3X	12	300	50	10066	2868	-	-	-	17962	-	-
3LNE-12S3X	12	300	175	10066	2868	-	-	-	-	28816	-
3LNE-14L3X	14	350	50	11598	3328	-	-	-	-	35545	-
3LNE-14S3X	14	350	150	11598	3328	-	-	-	-	-	43197
3LNE-16L3X	16	400	50	15395	4440	-	-	-	-	-	47793
3LNE-18L3X	18	450	50	20120	5509	-	-	-	-	-	52766
3LNE-20L3X	20	500	50	25329	7056	-	-	-	-	-	56069

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	4202	-	-	-	-	-
3LSE-25S3X	2.5	65	175	185	98	4218	-	-	-	-	-
3LSE-03S3X	3	80	175	360	171	4381	-	-	-	-	-
3LSE-04L3X	4	100	50	740	310	5083	-	-	-	-	-
3LSE-04S3X	4	100	175	740	310	-	5386	-	-	-	-
3LSE-05L3X	5	125	50	1218	470	4556	-	-	-	-	-
3LSE-05S3X	5	125	175	1218	470	-	-	6722	-	-	-
3LSE-06L3X	6	150	50	1900	757	-	6608	-	-	-	-
3LSE-06S3X	6	150	175	1900	757	-	-	6904	-	-	-
3LSE-08L3X	8	200	50	3765	1247	-	-	9616	-	-	-
3LSE-08S3X	8	200	175	3765	1247	-	-	-	13893	-	-
3LSE-10L3X	10	250	50	6661	2005	-	-	-	15490	-	-
3LSE-10S3X	10	250	175	6661	2005	-	-	-	15490	-	-
3LSE-12L3X	12	300	50	10066	2868	-	-	-	19889	-	-
3LSE-12S3X	12	300	175	10066	2868	-	-	-	-	30741	-
3LSE-14S3X	14	350	150	11598	3328	-	-	-	-	-	45815
3LSE-16S3X	16	400	150	15395	4440	-	-	-	-	-	51880
3LSE-18S3X	18	450	150	20120	5509	-	-	-	-	-	59029
3LSE-20S3X	20	500	150	25329	7056	-	-	-	-	-	63628

Options/Adders  
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 63)  
 \* For Manual Override, add "-5" to the end of the part number.  
 For additional options and adders, see Pages 56 & 57.



2-Way

2-Way, On/Off or Floating - ANSI 150						Non-Spring Return		Spring Return	
Actuator Model Details						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	3205	-	3507	-
MKL2-C030	3	80		185	123	3279	-	-	4094
MKL2-C040	4	100		375	250	-	4002	-	4527
Adder -A						117	118	118	117
Adder -WS						387	525	366	457

2-Way, Modulating - ANSI 150						Non-Spring Return		Spring Return	
Actuator Model Details						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	3276	-	3750	-
MKL2-C030	3	80		185	123	3350	-	-	4517
MKL2-C040	4	100		375	250	-	4107	-	4950
Adder -A						118	118	118	118
Adder -WS						387	525	366	457

3-Way

3-Way, On/Off or Floating - ANSI 150						Non-Spring Return		Spring Return
Actuator Model Details						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	6941	-	7603
MKL3-x030	3	80		185	123	-	7466	7861
MKL3-x040	4	100		375	250	-	8910	-
Adder -A						117	118	117
Adder -WS						387	525	457

3-Way, Modulating - ANSI 150						Non-Spring Return		Spring Return
Actuator Model Details						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	7012	-	8026
MKL3-x030	3	80		185	123	-	7571	8284
MKL3-x040	4	100		375	250	-	9015	-
Adder -A						118	118	118
Adder -WS						387	525	457

**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 63)  
 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

PRICING - High Performance Butterfly Valves - 2-Way & 3-Way



## 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	5112	285	70-0081	5112	72
MKL2-C030	3	80	185	123		70-0081	5186		70-0081	5186	72
MKL2-C040	4	100	375	250		70-0081	5619		70-0081	5619	72
MKL2-C050	5	125	790	360		70-0121	7204		70-0121	7204	75
MKL2-C060	6	150	1350	510		70-0121	7276		70-0121	7276	75
MKL2-C080	8	200	2800	1060		70-0201	9256		70-E301	10537	76
MKL2-C100	10	250	4300	1630		70-E301	11550		70-0501	13103	74
MKL2-C120	12	300	6650	2530		70-0501	14117		70-0651	14491	75
MKL2-C140	14	350	7650	2900		70-0651	18547		70-1300	19876	75
MKL2-C160	16	400	9800	3700		70-1300	30971		70-1800	31963	75
MKL2-C180	18	450	10500	5100	70-1800	36596	250	AU-2130*	47042	75	
MKL2-C200	20	500	13500	6500	200	70-1800	47312	200	AU-2130*	57986	75

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	4984	285	70-24-0081	4984	73	2627
MKL2-C030	3	80	185	123		70-24-0081	5058		70-24-0081	5058	73	2627
MKL2-C040	4	100	375	250		70-24-0081	5491		70-24-0081	5491	73	2627
MKL2-C050	5	125	790	360		70-24-0201	7496		70-24-0201	7496	74	2707
MKL2-C060	6	150	1350	510		70-24-0201	7568		70-24-0201	7568	74	2707
MKL2-C080	8	200	2800	1060		70-24-0201	9016		70-24-0201	12091	74	2707
MKL2-C100	10	250	4300	1630		70-24-0501	13104		70-24-0501	13104	75	2708
MKL2-C120	12	300	6650	2530		70-24-0501	14118		-	-	75	2708

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	6533	285	70-0081SV	6533	73
MKL2-C030	3	80	185	123		70-0081SV	6607		70-0081SV	6607	73
MKL2-C040	4	100	375	250		70-0081SV	7040		70-0081SV	7040	73
MKL2-C050	5	125	790	360		70-0121SV	8656		70-0121SV	8656	75
MKL2-C060	6	150	1350	510		70-0121SV	8728		70-0121SV	8728	75
MKL2-C080	8	200	2800	1060		70-0201SV	10710		70-E301SV	12149	75
MKL2-C100	10	250	4300	1630		70-E301SV	13162		70-0501SV	14497	76
MKL2-C120	12	300	6650	2530		70-0501SV	15511		70-0651SV	15883	75
MKL2-C140	14	350	7650	2900		70-0651SV	19939		70-1300SV	21343	75
MKL2-C160	16	400	9800	3700		70-1300SV	32438		70-1800SV	33178	75
MKL2-C180	18	450	10500	5100	70-1800SV	37811	250	AU-2130SV*	48586	63	
MKL2-C200	20	500	13500	6500	200	70-1800SV	48527	200	AU-2130SV*	59530	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	6476	285	70-24-0081SV	6476	72	2836
MKL2-C030	3	80	185	123		70-24-0081SV	6550		70-24-0081SV	6550	72	2836
MKL2-C040	4	100	375	250		70-24-0081SV	6983		70-24-0081SV	6983	72	2836
MKL2-C050	5	125	790	360		70-24-0201SV	9032		70-24-0201SV	9032	74	2708
MKL2-C060	6	150	1350	510		70-24-0201SV	9104		70-24-0201SV	9104	74	2708
MKL2-C080	8	200	2800	1060		70-24-0201SV	10552		70-24-0501SV	13629	74	2708
MKL2-C100	10	250	4300	1630		70-24-0501SV	14642		70-24-0501SV	14642	75	2708
MKL2-C120	12	300	6650	2530		70-24-0501SV	15656		-	-	75	2708

**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

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	5186	550	70-0081	5186	72
MKL2-C033	3	80	185	123	740	70-0081	5765	550	70-0081	5765	72
MKL2-C043	4	100	375	250	550	70-0081	7140	350	70-0081	7140	72
MKL2-C053	5	125	790	360	350	70-0121	8724	550	70-0201	9256	75
MKL2-C063	6	150	1000	530	550	70-0201	9401	350	70-0201	9401	76
MKL2-C083	8	200	2000	950	350	70-E301	10826	550	70-0501	12379	74
MKL2-C103	10	250	2650	1200	350	70-0501	19476	350	70-0651	19850	75
MKL2-C123	12	300	4000	1690	740	70-1300	23786	550	70-1300	23786	75
MKL2-C143	14	350	4100	1770	350	70-1300	31685	350	70-1800	32677	75
MKL2-C163	16	400	7800	2970	350	70-1800	45422	740	AU-4068*	62068	75
MKL2-C183	18	450	9500	4530	740	AU-4068*	63553	550	AU-4068*	63553	included
MKL2-C203	20	500	11000	5400	550	AU-4068*	71164	350	AU-4068*	71164	included

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	5058	550	70-24-0081	5058	73	2627
MKL2-C033	3	80	185	123	740	70-24-0081	5637	550	70-24-0081	5637	73	2627
MKL2-C043	4	100	375	250	550	70-24-0081	7012	350	70-24-0081	7012	73	2627
MKL2-C053	5	125	790	360	350	70-24-0201	9016	550	70-24-0201	9016	74	2707
MKL2-C063	6	150	1000	530	550	70-24-0201	9161	350	70-24-0201	9161	74	2707
MKL2-C083	8	200	2000	950	350	70-24-0501	12380	550	70-24-0501	12380	75	2708
MKL2-C103	10	250	2650	1200	350	70-24-0501	19477	-	-	-	75	2708

Modulating

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	6607	550	70-0081SV	6607	73
MKL2-C033	3	80	185	123	740	70-0081SV	7186	550	70-0081SV	7186	73
MKL2-C043	4	100	375	250	550	70-0081SV	8561	350	70-0081SV	8561	73
MKL2-C053	5	125	790	360	350	70-0121SV	10176	550	70-0201SV	10710	75
MKL2-C063	6	150	1000	530	550	70-0201SV	10855	350	70-0201SV	10855	75
MKL2-C083	8	200	2000	950	350	70-E301SV	12438	550	70-0501SV	13773	76
MKL2-C103	10	250	2650	1200	350	70-0501SV	20870	350	70-0651SV	21242	75
MKL2-C123	12	300	4000	1690	740	70-1300SV	25253	550	70-1300SV	25253	75
MKL2-C143	14	350	4100	1770	350	70-1300SV	33152	350	70-1800SV	33892	75
MKL2-C163	16	400	7800	2970	350	70-1800SV	46637	740	AU-4068SV*	63612	74
MKL2-C183	18	450	9500	4530	740	AU-4068SV*	65097	550	AU-4068SV*	65097	included
MKL2-C203	20	500	11000	5400	550	AU-4068SV*	72708	350	AU-4068SV*	72708	included

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	6550	550	70-24-0081SV	6550	72	2836
MKL2-C033	3	80	185	123	740	70-24-0081SV	7129	550	70-24-0081SV	7129	72	2836
MKL2-C043	4	100	375	250	550	70-24-0081SV	8504	350	70-24-0081SV	8504	72	2836
MKL2-C053	5	125	790	360	350	70-24-0201SV	10552	550	70-24-0201SV	10552	74	2708
MKL2-C063	6	150	1000	530	550	70-24-0201SV	10697	350	70-24-0201SV	10697	74	2708
MKL2-C083	8	200	2000	950	350	70-24-0501SV	13918	550	70-24-0501SV	13918	75	2708
MKL2-C103	10	250	2650	1200	350	70-24-0501SV	21015	-	-	-	75	2708

**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					
Valve Model Details	Size		Close-Off psi	Cv		Model #	Price	Model #	Price	Model #	Price	H Adder	-BBU Adder (24V Units Only)
	In.	mm		90°	60°								
MKL3-X025	2.5	65	250	160	78	70-0081	9111	70-24-0081	8983	-	-	73	2627
MKL3-X030	3	80		185	123	70-0081	9369	70-24-0081	9241	-	-	73	2627
MKL3-X040	4	100		375	250	70-0121	12330	70-24-0201	12622	-	-	74	2707
MKL3-X050	5	125		790	360	70-0121	12508	70-24-0201	12800	-	-	74	2707
MKL3-X060	6	150		1350	510	70-0121	12839	70-24-0201	13131	-	-	74	2707
MKL3-X080	8	200		2800	1060	70-0201	16340	70-24-0201	16100	-	-	74	2707
MKL3-X100	10	250		4300	1630	70-0501	21295	70-24-0501	21296	-	-	75	2708
MKL3-X120	12	300		6650	2530	70-0651	24276	-	-	-	-	75	-
MKL3-X140	14	350		7650	2900	70-1300	43353	-	-	-	-	75	-
MKL3-X160	16	400		9800	3700	-	-	-	-	AU-2130*	77275	Included	-
MKL3-X180	18	450		10500	5100	-	-	-	-	AU-4068*	92477	Included	-
MKL3-X200	20	500		13500	6500	-	-	-	-	AU-4068*	115795	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					
Valve Model Details	Size		Close-Off psi	Cv		Model #	Price	Model #	Price	Model #	Price	H Adder	-BBU Adder (24V Units Only)
	In.	mm		90°	60°								
MKL3-X025	2.5	65	250	160	78	70-0081SV	10532	70-24-0081SV	10475	-	-	72	2836
MKL3-X030	3	80		185	123	70-0081SV	10790	70-24-0081SV	10733	-	-	72	2836
MKL3-X040	4	100		375	250	70-0121SV	13782	70-24-0201SV	14158	-	-	74	2708
MKL3-X050	5	125		790	360	70-0121SV	13960	70-24-0201SV	14336	-	-	74	2708
MKL3-X060	6	150		1350	510	70-0121SV	14291	70-24-0201SV	14667	-	-	74	2708
MKL3-X080	8	200		2800	1060	70-0201SV	17794	70-24-0201SV	17636	-	-	74	2708
MKL3-X100	10	250		4300	1630	70-0501SV	22689	70-24-0501SV	22834	-	-	75	2708
MKL3-X120	12	300		6650	2530	70-0651SV	25668	-	-	-	-	75	-
MKL3-X140	14	350		7650	2900	70-1300SV	44820	-	-	-	-	75	-
MKL3-X160	16	400		9800	3700	-	-	-	-	AU-2130SV*	78819	Included	-
MKL3-X180	18	450		10500	5100	-	-	-	-	AU-4068SV*	94021	Included	-
MKL3-X200	20	500		13500	6500	-	-	-	-	AU-4068SV*	117339	Included	-

**Options/Adders**  
 X = 3-Way Assemblies (Refer to Configuration Chart, Page 63)  
 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	2724	S92-83	2724	959
MKL2-C030	3	80		185	123	S92-83	2854	S92-83	2854	959
MKL2-C040	4	100		375	250	S92-83	3147	S92-83	3147	959
MKL2-C050	5	125		790	360	S92-93	4296	S92-119	4707	959
MKL2-C060	6	150		1350	510	S92-93	4399	S92-119	4813	1417
MKL2-C080	8	200		2800	1060	S92-119	6538	S92-119	6538	1417
MKL2-C100	10	250		4300	1630	S92-128	11429	S92-160	12305	1417
MKL2-C120	12	300		6650	2530	S92-160	14425	S92-210	18269	1417
MKL2-C140	14	350		7650	2900	S92-210	23021	S92-210	23021	1960
MKL2-C160	16	400		9800	3700	S92-210	29078	S92-255	37294	2600
MKL2-C180	18	450		10500	5100	S92-255	44778	S92-255	44778	2600
MKL2-C200	20	500		13500	6500	S92-255	54492	S92-255	54492	2600

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	2765	S92-83	2765	959
MKL2-C033	3	80		185	123	S92-83	3836	S92-93	3951	959
MKL2-C043	4	100		375	250	S92-83	4628	S92-93	4742	959
MKL2-C053	5	125		790	360	S92-119	6151	S92-128	6415	959
MKL2-C063	6	150		1000	530	S92-119	8910	S92-160	10008	1417
MKL2-C083	8	200		2000	950	S92-160	12832	S92-160	12832	1417
MKL2-C103	10	250		2650	1200	S92-210	20964	S92-210	20964	1417
MKL2-C123	12	300		4000	1690	S92-210	21871	S92-255	30752	2600
MKL2-C143	14	350		4100	1770	S92-255	38943	S92-255	38943	2600
MKL2-C163	16	400		7800	2970	S92-255	46293	Consult Factory		2601

**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 56 & 57.

**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)

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	2868	93-834	2910	93-834	2909	93-835	2963	959
MKL2-C030	3	80		185	123	93-833	2998	93-834	3038	93-834	3039	93-836	3147	959
MKL2-C040	4	100		375	250	93-834	3370	93-836	3453	93-934	3505	93-936	3550	959
MKL2-C050	5	125		790	360	93-1193	4967	93-1194	5044	93-1283	5172	93-1196	5211	959
MKL2-C060	6	150		1350	510	93-1193	5080	93-1195	5234	93-1283	5286	93-1285	5577	1417
MKL2-C080	8	200		2800	1060	93-1602	7873	93-1604	8092	93-1603	7983	93-1605	8203	1417
MKL2-C100	10	250		4300	1630	93-2102	16986	93-2103	17205	93-2103	17206	93-2105	17754	1417
MKL2-C120	12	300		6650	2530	93-2103	19553	93-2105	19992	93-2552	30168	93-2553	30706	2600
MKL2-C140	14	350		7650	2900	93-2552	36121	93-2553	36660	93-2553	36661	93-2555	39507	2600
MKL2-C160	16	400		9800	3700	93-2553	44079	93-2555	45154	Contact Bray				2601

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	3098	93-1193	3534	93-1193	3533	93-1194	3586	959
MKL2-C033	3	80		185	123	93-934	4166	93-1193	4602	93-1193	4602	93-1194	4653	959
MKL2-C043	4	100		375	250	93-1193	5374	93-1194	5447	93-1283	5567	93-1196	5545	959
MKL2-C053	5	125		790	360	93-1603	7519	93-1604	7623	93-1604	7624	93-1606	7831	959
MKL2-C063	6	150		1000	530	93-1603	13911	93-1605	14118	93-2102	14512	93-2104	14931	1417
MKL2-C083	8	200		2000	950	93-2103	17549	93-2104	17758	93-2104	17758	93-2106	18282	1417
MKL2-C103	10	250		2650	1200	93-2552	32229	93-2553	32742	93-2553	32743	93-2555	35457	2600
MKL2-C123	12	300		4000	1690	93-2553	51843	93-2555	52867	Contact Bray				2601

**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 56 & 57.  
 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.



## MK Series Butterfly Valves 3-Way with Double Acting & Spring Return Pneumatic Actuators (ANSI 150)

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	5813	959
MKL3-x030	3	80		185	123	S92-083	6139	959
MKL3-x040	4	100		375	250	S92-083	7106	959
MKL3-x050	5	125		790	360	S92-119	10103	959
MKL3-x060	6	150		1350	510	S92-119	10311	1417
MKL3-x080	8	200		2800	1060	S92-128	15049	1417
MKL3-x100	10	250		4300	1630	S92-160	27024	1417
MKL3-x120	12	300		6650	2530	S92-210	36554	1417
MKL3-x140	14	350		7650	2900	S92-210	55629	1960
MKL3-x160	16	400		9800	3700	S92-255	67947	2600
MKL3-x180	18	450		10500	5100	S92-255	80409	2600
MKL3-x200	20	500		13500	6500	S92-255	101539	2600

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	6137	959
MKL3-x030	3	80		185	123	S93-934	6462	959
MKL3-x040	4	100		375	250	S93-1193	7887	959
MKL3-x050	5	125		790	360	S93-1284	10778	959
MKL3-x060	6	150		1350	510	S93-1603	11768	1417
MKL3-x080	8	200		2800	1060	S93-2103	21042	1417
MKL3-x100	10	250		4300	1630	S93-2552	38924	2600
MKL3-x120	12	300		6650	2530	S93-2553	44762	2600
MKL3-x140	14	350		7650	2900	S93-2553	60733	2600
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 63)

\* 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 56 & 57.

**2-Way, NYL Series - ANSI 150**

Actuator Model Details						AIS Compliant BUSA Part #	Body	Disc	Stem	Seat	List Price Adder
Standard Bray Valve Model #	Size		Close-Off psi	Cv							
	In.	mm		90°	60°						
NYL2-C081	8	200	285	3316	1081	310800-11011308/A153	DI	NDI	316	EPDM	3472
NYL2-C080	8	200		3316	1081	310800-11010308/A153					3472
NYL2-C101	10	250		5430	1710	311000-11011308/A153					4320
NYL2-C100	10	250		5430	1710	311000-11010308/A153					4320
NYL2-C121	12	300		8077	2563	311200-11011308/A153					6471
NYL2-C120	12	300		8077	2563	311200-11010308/A153					6471
NYL2-C141	14	350		10538	3384	311400-11011308/A153					10289
NYL2-C140	14	350		10538	3384	311400-11010308/A153					10289
NYL2-C161	16	400		13966	4483	311600-11011308/A153					13411
NYL2-C160	16	400		13966	4483	311600-11010308/A153					13411
NYL2-C181	18	450		17214	5736	311800-11011308/A153					14530
NYL2-C180	18	450		17214	5736	311800-11010308/A153					14530
NYL2-C201	20	500		22339	7144	312000-11011308/A153					18411
NYL2-C200	20	500		22339	7144	312000-11010308/A153					18411

**2-Way, MKL Series - ANSI 150**

Actuator Model Details						AIS Compliant BUSA Part #	Body	Disc	Stem	Seat	List Price Adder
Standard Bray Valve Model #	Size		Close-Off psi	Cv							
	In.	mm		90°	60°						
MKL2-C025	2.5	65	285	160	78	410250-11001466/A150	CS	316	17-4PH	RTFE	4031
MKL2-C030	3	80		185	123	410300-11001466/A150					4333
MKL2-C040	4	100		375	250	410400-11001466/A150					5123
MKL2-C060	6	150		1350	510	410600-11001466/A150					6957
MKL2-C080	8	200		2800	1060	410800-11001466/A150					9309
MKL2-C100	10	250		4300	1630	411000-11001466/A150					13870
MKL2-C120	12	300		6650	2530	411200-11001466/A150					18236
MKL2-C140	14	350		7650	2900	411400-11001466/A150					33388
MKL2-C160	16	400		9800	3700	411600-11001466/A150					48098
MKL2-C180	18	450		10500	5100	411800-11001466/A150					62821
MKL2-C200	20	500		13500	6500	412000-11001466/A150					82859

**Note**  
 Aluminum Bronze Disc Valves Exempt. Total cost of Iron and Steel is less than 50% of total.  
 Note this act applies to valves only. Actuators are Exempt.



## 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 <sup>1</sup>	X				X			-	163	
D24-35-TP			X <sup>1</sup>	X							P	179	
DM24-35-TS					X				X			-	292
DM24-35				X								P	289
DC24-44-TP	24 VAC	44		X						3/8 F	P	154	
DC24-44-TPTO	24 VAC/DC		X	X		X				3/8 F	P	206	
DC24-44-TAP	24 VAC			X			X				P	316	
DCM24-44-P	24 VAC/DC				X	X				3/8 F	P	251	
DCM24-44-AP					X	X	X				P	399	
D24-70	24 VAC/DC	70	X	X		X			X	1/2 N	-	295	
D24-70-A			X	X		X	X		X	1/2 N	-	416	
DM24-70				X					X	1/2 N	-	387	
DM24-70-A				X		X		X	X	1/2 N	-	508	
DC24-88-TP	24 VAC	88		X						3/8 F	P	363	
DC24-88-TAP	24 VAC/DC		X	X		X	X				P	485	
DCM24-88-P						X	X			3/8 F	P	380	
DCM24-88-AP					X	X	X				P	499	
D24-140	24 VAC/DC	140	X	X		X			X	1/2 N	-	342	
D24-140-A			X	X		X	X		X	1/2 N	-	463	
DM24-140				X					X	1/2 N	-	543	
DM24-140-A				X		X		X	X	1/2 N	-	664	
DC24-180-T	24 VAC/DC	180	X	X		X					S	405	
DCM24-180						X	X				S	513	
D24-210	24 VAC/DC	210	X	X		X			X	1/2 N	-	482	
D24-210-A			X	X		X	X		X	1/2 N	-	603	
DM24-210				X					X	1/2 N	-	623	
DM24-210-A				X		X		X	X	1/2 N	-	744	
D24-280	24 VAC/DC	280	X	X		X			X	1/2 N	-	609	
D24-280-A			X	X		X	X		X	1/2 N	-	730	
DM24-280				X					X	1/2 N	-	684	
DM24-280-A				X		X		X	X	1/2 N	-	805	
DC24-310-T	24 VAC	310		X						3/8 F	S	534	
DC24-310-TA				X			X			3/8 F	S	651	
DCM24-310				X						3/8 F	S	605	
DCM24-310-A				X		X		X		3/8 F	S	723	

**Options**

<sup>1</sup> 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	342	
DCS24-20-AP			X			X		P	469	
DCMS24-20-P						X			P	486
DS24-27	24 VAC/DC	27	X				1/2 N	S	311	
DS24-27-A			X			X	1/2 N	S	432	
DS24-27-T			X	X			1/2 N	P	462	
DMS24-27						X	1/2 N	P	491	
DMS24-27-A						X	X	1/2 N	S	608
DSU20-27			120/240 VAC	X				1/2 N	S	397
DSU20-27-A	X				X	1/2 N	S	519		
DCS24-62-P	24 VAC/DC	62	X				1/2 N	P	339	
DCS24-62-A			X			X	1/2 N	S	465	
DCS24-62-AP			X			X	1/2 N	P	506	
DCMS24-62-P						X	1/2 N	P	483	
DCMS24-62-A						X	X	1/2 N	S	603
DCS120-62	120 VAC	X				1/2 N	S	381		
DCS120-62-A		X			X	1/2 N	S	502		
DS24-70	24 VAC/DC	70	X				3/8 F <sup>1</sup>	S	484	
DS24-70-A			X			X	3/8 F <sup>1</sup>	S	605	
DS24-70-T			X	X			3/8 F <sup>1</sup>	S	506	
DS24-70-TA			X	X		X	3/8 F <sup>1</sup>	S	627	
DMS24-70						X	3/8 F <sup>1</sup>	S	622	
DMS24-70-A						X	X	3/8 F <sup>1</sup>	S	743
DS120-70			120 VAC	X				3/8 F <sup>1</sup>	S	503
DS120-70-A	X				X	3/8 F <sup>1</sup>	S	623		
DCS24-140	24 VAC/DC	160	X				3/8 F	S	604	
DCS24-140-A			X			X	3/8 F	S	725	
DCMS24-140						X	3/8 F	S	752	
DCMS24-140-A						X	X	3/8 F	S	873
DCS120-140	120 VAC	X				3/8 F	S	636		
DCS120-140-A		X			X	3/8 F	S	757		
DS24-180	24 VAC/DC	180	X				3/8 F <sup>1</sup>	S	683	
DS24-180-A			X			X	3/8 F <sup>1</sup>	S	801	
DS24-180-T			X	X			3/8 F <sup>1</sup>	S	768	
DS24-180-TA			X	X		X	3/8 F <sup>1</sup>	S	886	
DMS24-180						X	3/8 F <sup>1</sup>	S	926	
DMS24-180-A						X	X	3/8 F <sup>1</sup>	S	1044
DS120-180			120 VAC	X				3/8 F <sup>1</sup>	S	777
DS120-180-A	X				X	3/8 F <sup>1</sup>	S	894		

**Options**

<sup>1</sup> 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 <sup>2</sup>	X				3/8 F <sup>1</sup>	P	177
VA24-35-PTO			X	X			X	3/8 F <sup>1</sup>	P	229
VAM24-35-P						X			3/8 F <sup>1</sup>	P
VAM24-90-P	24 VAC/DC	88	X	X	X	X	X	1/2 N <sup>3</sup>	P	297
VAM24-90-P-A			X	X	X	X	X	1/2 N <sup>3</sup>	P	418

Electric ST2 Actuators - Spring-Return									
Model Number	Voltage	Torque	On/Off	Floating	Modulating	Auxiliary Switches	Conduit NPT(N) FLEX (F) <sup>1</sup>	List Price	
VAS24-27	24 VAC/DC	27	X				1/2 N	353	
VAS24-27-A			X			X	1/2 N	480	
VAS24-27-T			X	X			1/2 N	417	
VAMS24-27						X	1/2 N	497	
VAMS24-27-A						X	X	1/2 N	617
VASU20-27	120/240 VAC	27	X				1/2 N	395	
VASU20-27-A			X			X	1/2 N	516	
VAS24-70	24 VAC/DC	70	X				3/8 F <sup>1</sup>	455	
VAS24-70-A			X			X	3/8 F <sup>1</sup>	576	
VAS24-70-T			X	X			3/8 F <sup>1</sup>	551	
VAS24-70-T-A			X	X			X	3/8 F <sup>1</sup>	673
VAMS24-70							X	3/8 F <sup>1</sup>	617
VAMS24-70-A							X	X	3/8 F <sup>1</sup>
VAS120-70	120 VAC	70	X				3/8 F <sup>1</sup>	491	
VAS120-70-A			X			X	3/8 F <sup>1</sup>	612	

**Options**

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

<sup>2</sup> Relay Required for On/Off Control

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



## Pneumatic Actuators & Adders

Series 92/93 High Pressure Pneumatic Actuators		
Model Number	Description	Price
92-063	Double Acting-Pneumatic rack and pinion actuator	723
92-083		944
92-093		1182
92-119		1693
92-128		2017
92-160		3379
92-210		5603
92-255		12999
93-634		Spring Return-Pneumatic rack and pinion actuator
93-834	1768	
93-934	2149	
93-1194	2716	
93-1284	3206	
93-1604	4661	
93-2104	7159	
93-2554	17367	

### Assembly Adders



5A Status Monitor (SPDT Auxiliary Switch)		
Model No.	P/N Suffix	Price
5A	SW	639



VP200 Pneumatic Positioner (Gauges - 2 ea. 0-160 PSI & 1ea. 0-30 PSI )		
Model No.	P/N Suffix	Price
V200P	P	2348



Solenoid Air Valve			
Model No.	Voltage	P/N Suffix	Price
S63 Single Coil	24 VAC	S4	396
S63 Single Coil	120 VAC	S	



S 6A Electro-Pneumatic Positioner (Shown with optional gauges)		
Model No.	P/N Suffix	Price
S 6A	EP	4045



Speed Controls	
P/N Suffix	Price
C	137

**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)



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	396
63125A-214115P4	add -S	S63 Single coil solenoid, 110 VAC for electric On/Off control of S92/93 actuators	396
63125A-214145P4	add -S4D	S63 Single coil solenoid, 24 VDC for electric On/Off control of S92/93 actuators	396
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)	513
5B0000-22600534		5A Mounting Kit- Non-Adjustable For S98 & S92/93 Actuators - Sizes 063 - 128	51
5B0000-22601534		5A Mounting Kit- Adjustable For S98 & S92, 93 Actuators - Sizes 063 - 255	93
6A6DR5-0200NN005KA0	replacement	S6A Double-Acting Electro-pneumatic positioner 4-20 mA	4006
6A6DR5-0100NN005KA0	replacement	S6A Single-Acting Electro-pneumatic positioner, 4-20 mA,	4006
6A6DR4-0046K	add -S	S6A Optional mechanical switch	1365
6A6DR4-0046J	add -F	S6A Optional position feedback module	1418
6A0250-22701536	add -G	S6A Single-Acting Optional gauge block assembly	214
6A0250-22702536	add -G	S6A Double-Acting Optional gauge block assembly	240
6A0630-24610536		S6A Mounting kit, S92/93 sizes 63-128	266
6A1600-24610536		S6A Mounting kit, S92/93 sizes 160-255	332
551000-74603533	add -FR	S55 Bray Filter Regulator S92/93 Actuators	344
V200P	replacement	Pneumatic Positioner 3-15 PSI S92/93 Actuators- Includes Gauges- 2 ea. 0-160 psi & 1ea. 0-30 psi	2340
V200-MTG-1		V200P Mounting kit, S92/93 sizes 63-127	205
V200-MTG-2		V200P Mounting kit, S92/93 sizes 160-255	266
V200M	add -S	V200P Optional Mechanical Switch Kit	788
V200MA	add -F	V200P Optional 4-20mA Position Feedback Module	1376
V200B	add -B	V200P Beacon Indicator	170
V200G30	replacement	V200P Guage 0-30 psi	40
V200G160	replacement	V200P Guage 0-160 psi	40



**Series 70 Industrial Electric Actuators and Accessories**

**PRICING - Series 70 Industrial Electric Actuators**

<b>Series 70 Industrial Electric Actuator, 120 VAC - On/Off</b>		
Model Number	Description	Price
70-0081H	120 VAC, Two position, 800 lb-in., NEMA 4, Heater	2776
70-0121H	120 VAC, Two position, 1200 lb-in., NEMA 4, Heater	4296
70-0201H	120 VAC, Two position, 2000 lb-in., NEMA 4, Heater	4829
70-E301H	120 VAC, Two position, 3000 lb-in., NEMA 4, Heater	6108
70-0501H	120 VAC, Two position, 5000 lb-in., NEMA 4, Heater	7612
70-0651H	120 VAC, Two position, 6500 lb-in., NEMA 4, Heater	7986
70-1300H	120 VAC, Two position, 13000 lb-in., NEMA 4, Heater	9248
70-1800H	120 VAC, Two position, 18000 lb-in., NEMA 4, Heater	10240

<b>Series 70 Industrial Electric Actuator, 120 VAC - Modulating</b>		
Model Number	Description	Price
70-0081SVH	120 VAC, Modulating, 800 lb-in., NEMA 4, Heater	4198
70-0121SVH	120 VAC, Modulating, 1200 lb-in., NEMA 4, Heater	5748
70-0201SVH	120 VAC, Modulating, 2000 lb-in., NEMA 4, Heater	6282
70-E301SVH	120 VAC, Modulating, 3000 lb-in., NEMA 4, Heater	7722
70-0501SVH	120 VAC, Modulating, 5000 lb-in., NEMA 4, Heater	9006
70-0651SVH	120 VAC, Modulating, 6500 lb-in., NEMA 4, Heater	9378
70-1300SVH	120 VAC, Modulating, 13000 lb-in., NEMA 4, Heater	10715
70-1800SVH	120 VAC, Modulating, 18000 lb-in., NEMA 4, Heater	11454

<b>Series 70 Industrial Electric Actuator, 24 VAC &amp; 24 VAC/DC - On/Off</b>		
Model Number	Description	Price
70-24-0081H	24 VAC/DC, Two position, 800 lb-in., NEMA 4, Heater	2649
70-24-0201H	24 VAC/DC, Two position, 2000 lb-in., NEMA 4, Heater	4587
70-24-0501H	24 VAC, Two position, 5000 lb-in., NEMA 4, Heater	7613

<b>Series 70 Industrial Electric Actuator, 24 VAC/DC - Modulating</b>		
Model Number	Description	Price
70-24-0081SVH	24 VAC/DC, Modulating, 800 lb-in., NEMA 4, Heater	4140
70-24-0201SVH	24 VAC/DC, Modulating, 2000 lb-in., NEMA 4, Heater	6123
70-24-0501SVH	24 VAC/DC, Modulating, 5000 lb-in., NEMA 4, Heater	9151

<b>Series 70 Industrial Electric Actuator, 24 VAC/30 VDC - On/Off with Battery Backup Unit</b>		
Model Number	Description	Price
70-24-0081H-BBU	24 VAC/30 VDC, Two position, 800 lb-in., NEMA 4, Heater, & Battery Back Unit	5276
70-24-0201H-BBU	24 VAC/30 VDC, Two position, 2000 lb-in., NEMA 4, Heater, & Battery Back Unit	7294
70-24-0501H-BBU	24 VAC/30 VDC, Two position, 5000 lb-in., NEMA 4, Heater, & Battery Back Unit	10321

<b>Series 70 Industrial Electric Actuator, 24 VAC/30 VDC - Modulating with Battery Backup Unit</b>		
Model Number	Description	Price
70-24-0081SVH-BBU	24 VAC/30 VDC, Modulating, 800 lb-in., NEMA 4, Heater, & Battery Back Unit	6976
70-24-0201SVH-BBU	24 VAC/30 VDC, Modulating, 2000 lb-in., NEMA 4, Heater, & Battery Back Unit	8831
70-24-0501SVH-BBU	24 VAC/30 VDC, Modulating, 5000 lb-in., NEMA 4, Heater, & Battery Back Unit	11859



### 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	2708

### 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	361

### 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	75
700006-22951536	24 VAC Heater, helps prevent condensation build up - *recommended for outdoor use	75
70A012-22920536	120 VAC Servo NXT Kit S70 actuators 70-0081 to 70-0651	1932
*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	1932
700000-77664536	120/230 VAC Servo NXT, UL Board Only	1833
70A012-22922536	24 VAC Servo NXT Kit S70 actuators 70-24-0081 (new round dome models only), 70-24-0201 & 70-24-0501	1835
700000-77641536	24 VAC Servo NXT Board Only	1738
700000-22952536	24 VAC On/Off CONTROLLER KIT 800 to 2K in/lb Units	919
700000-77629536	24 VAC On/Off CONTROLLER Board Only- 800 to 2K in/lb Units	869
S70-5P-KIT	S70 Turk 5 PIN Cordset	568
700000-12410536	Control Station for manual local electrical operation of S70 actuators W/SERVO 110V (Non-Keyed) ** For all others please contact factory	1584



### AU Series Industrial Electric Actuators

Model Number	Description	Price
AU-2130	120 VAC, On/Off, 21300 lb-in., NEMA 4	20068
AU-4068	120 VAC, On/Off, 40680 lb-in., NEMA 4	22384
AU-7080	120 VAC, On/Off, 70800 lb-in., NEMA 4	27787
AU-2130SV	120 VAC, Modulating, 21300 lb-in., NEMA 4	21612
AU-4068SV	120 VAC, Modulating, 40680 lb-in., NEMA 4	23928
AU-7080SV	120 VAC, Modulating, 70800 lb-in., NEMA 4	29330

**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	-	539	-	-	
GAM24-67	24 VAC/DC	67	Modulating		-		X	X	-	664	-	-
GA24-225	24 VAC	225	Floating		X		-	-	X	722	716	952
GAM24-225	24 VAC	225	Modulating		X		-	-	X	832	358	952

### 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	-	738	-	-	
GAM24-67-FS	24 VAC/DC	67	Modulating		-		X	X	-	834	-	-
GAS24-225	24 VAC	225	Floating		X		-	-	X	1069	716	952
GAMS24-225	24 VAC	225	Modulating		X		-	-	X	1174	358	952

**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	1636	295	186
GASRE24-450	Spring Return		450						2146		
GASEX24-450	Spring Return		450						2146		

**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"	454
SSM-MTG-1/GA	GA & GAS	SSM 2.5" & 3"	352
SSM-MTG-2/GA	GA & GAS	GA-SSM 4" to 12"	352
		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	3144
VAL-SRS15P					4" - 6" Globe Valves			3878

### 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	268
PAM24-27		27	Modulating		330
PAM24-100		100	On/Off, Floating & Modulating		638
PAM24-112		112	On/Off, Floating & Modulating		980

### 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	521
PAM24-27-FS		27	Modulating		552
PAM24-100-FS		100	On/Off, Floating & Modulating		876





2-Way Butterfly Valve Retrofit Kits	
Size	Price
2" thru 6"	828
8" thru 12"	1090
14" thru 16"	2263

3-Way Butterfly Valve Retrofit Kits	
Size	Price
2" thru 6"	3318
8" thru 12"	4296
14" thru 16"	5664

**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	268		-	-	-
		GRK-BRA-2	-	-	340		
Honeywell	V5011	GRK-HON-1	474				
	V5013	GRK-HON-2					
Johnson Controls	VG2000	GRK-JCI	521				
	VG7000	GRK-JCI-1	500				
Schneider	VB-8000	GRK-SCH-2	500				
	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	1636	295	186
GASRE24-450			450							2146		
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.



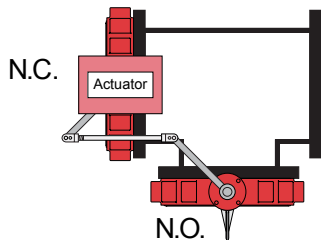
## Weather Shields & Weather Covers

<b>Large Weather Shields for D-Series on Ball Valves and Butterfly Valves</b>		
<b>Model Number</b>	<b>Description - Actuators Covered</b>	<b>Price</b>
WS-B-S180	DS-180	366
WS-B-S180-T	Tandem DS-180	457
WS-B-280	D-140, D-210, and D-280	364
BF-BKT-L3	Required for Assembly	44
WS-B-280-T	Tandem D-140, D-210, and D-280	457
BF-BKT-L1	Required for Assembly	44
WS-B-310	DC-310	387
WS-B-310-T	Tandem DC-310	525
M9000-342	ST2 Direct Mount (VA Series) Actuators- NEMA 4, 4X	1036

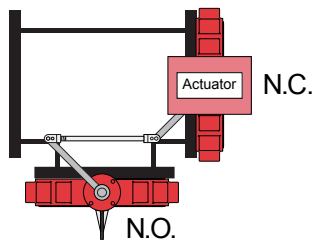
<b>Weather Covers for PIC and Globe Valve Actuators</b>		
<b>Model Number</b>	<b>Description - Actuators Covered</b>	<b>Price</b>
WS-PA27	PA27	491
WS-PA100	PA100/PA112	496
WS-GA450/562	GA450/562	609

### Spring Return and Non-Spring Return

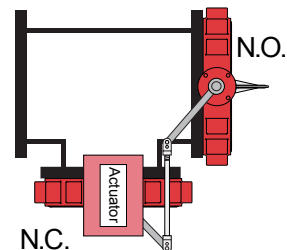
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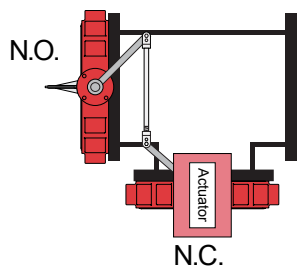
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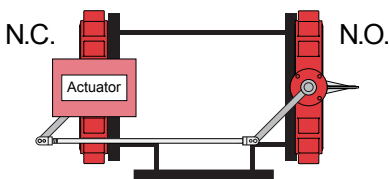
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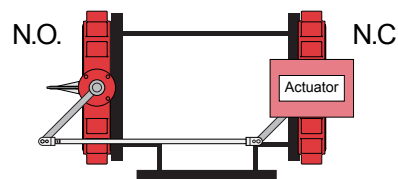
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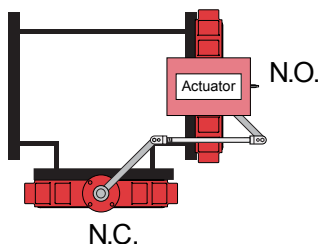
**Configuration 5**



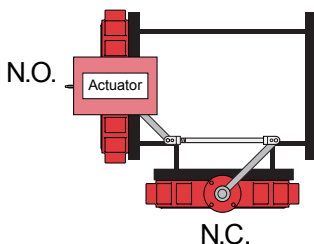
**Configuration 6**



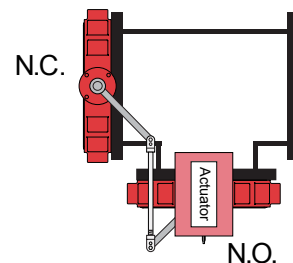
**Configuration 7**



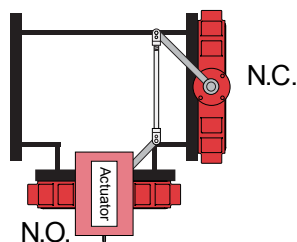
**Configuration 8**



**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,

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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 t h i r t y (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](mailto: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

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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 EQUIVOCAL 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-

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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.