

Price List No. **CACT-06**

# Hayward Flow Control

## Actuation and Controls



**Canada Price List**  
Effective January 1, 2014



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# LHB SERIES MANUAL LIMIT SWITCH FOR TB & BY SERIES



Price is for switch only; add the cost of the valve and any required options.

**LHB Series:** Manual limit switch fits all sizes of TB & TW Series, and BY Series up to 8". The LHB meets ISO5211, is rated NEMA 4X and has an integral lockout. SPDT 10 amp @ 120VAC limit switches are included standard. Two additional limit switches can be added as well as a potentiometer, lever or T-handle option\* and LED for Open/Close indication.

## TB & TW Series

Price Code C

Valve Size	Part No.	Description	List Price
1/2" - 2"	LHB1TB1S2	2 Limit Switches	\$310.00
1/2" - 2"	LHB1TB1S4	4 Limit Switches	\$299.30

Valve Size	Part No.	Description	List Price
2-1/2" - 6"	LHB2TB3S2	2 Limit Switches	\$384.30
2-1/2" - 6"	LHB2TB3S4	4 Limit Switches	\$460.50

## BY Series

Price Code C

Valve Size	Part No.	Description	List Price
2" - 3"	LHB1BY2S2	2 Limit Switches	\$310.00
4"	LHB1BY4S2	2 Limit Switches	\$310.00
2" - 3"	LHB1BY2S4	4 Limit Switches	\$386.50
4"	LHB1BY4S4	4 Limit Switches	\$386.50

Valve Size	Part No.	Description	List Price
6"	LHB2BY6S2	2 Limit Switches	\$384.30
8"	LHB2BY8S2	2 Limit Switches	\$384.30
6"	LHB2BY6S4	4 Limit Switches	\$460.50
8"	LHB2BY8S4	4 Limit Switches	\$460.50

\* TB Limit Switch comes standard with T-Handle, lever handle optional, consult factory.

# LHB SERIES MANUAL LIMIT SWITCH WITH SPRING RETURN



## TB Series\*\*

Price Code C

Valve Size	Part No.	Description	List Price
1/2" - 2"	LHB1TB1S2SR	2 Limit Switches	\$396.60
1/2" - 2"	LHB1TB1S4SR	4 Limit Switches	\$494.40
2-1/2" - 6"	LHB2TB3S2SR	2 Limit Switches	\$491.60
2-1/2" - 6"	LHB2TB3S4SR	4 Limit Switches	\$589.00

## BY Series

Price Code C

Valve Size	Part No.	Description	List Price
2" - 3"	LHB1BY2S2SR	2 Limit Switches	\$396.60
4"	LHB1BY4S2SR	2 Limit Switches	\$396.60
2" - 3"	LHB1BY2S4SR	4 Limit Switches	\$494.40
4"	LHB1BY4S4SR	4 Limit Switches	\$494.40
6"	LHB2BY6S2SR	2 Limit Switches	\$491.60
8"	LHB2BY8S2SR	2 Limit Switches	\$491.60
6"	LHB2BY6S4SR	4 Limit Switches	\$589.00
8"	LHB2BY8S4SR	4 Limit Switches	\$589.00

\* LHB-SR's available without limit switches upon request.

\*\* Handle operator standard.

Note: Valve not included. Order HC TB version, if required



## EA SERIES AUTOMATED TRUE UNION BALL VALVES

Low cost, full featured 115 VAC electrical actuator combination. TB Series true union ball valves have EPDM seals, and socket and threaded end connections. Price includes valve and actuator.

Price Code C

### PVC/EPDM Seals

Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EATB1050STE	\$306.80
3/4"	Socket/Threaded	EATB1075STE	\$313.00
1"	Socket/Threaded	EATB1100STE	\$322.00
1-1/2"	Socket/Threaded	EATB1150STE	\$340.20
2"	Socket/Threaded	EATB1200STE	\$357.10



## EAU SERIES AUTOMATED TRUE UNION BALL VALVES

High performance Series EAU 115 VAC electric actuator with prewired terminal strip and one auxiliary limit switch, mounted to a TB Series true union ball valve. Valve has socket and threaded end connections. Price includes valve and actuator.

Price Code C

### PVC/EPDM Seals

Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB105STE	\$413.40
3/4"	Socket/Threaded	EAUTB107STE	\$420.90
1"	Socket/Threaded	EAUTB110STE	\$436.10
1-1/2"	Socket/Threaded	EAUTB115STE	\$454.20
2"	Socket/Threaded	EAUTB120STE	\$489.40

### PVC/FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB105STV	\$414.90
3/4"	Socket/Threaded	EAUTB107STV	\$424.10
1"	Socket/Threaded	EAUTB110STV	\$439.00
1-1/2"	Socket/Threaded	EAUTB115STV	\$457.40
2"	Socket/Threaded	EAUTB120STV	\$493.60

### CPVC/EPDM Seals

Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB205STE	\$442.20
3/4"	Socket/Threaded	EAUTB207STE	\$451.40
1"	Socket/Threaded	EAUTB210STE	\$477.00
1-1/2"	Socket/Threaded	EAUTB215STE	\$501.40
2"	Socket/Threaded	EAUTB220STE	\$550.00

### CPVC/FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB205STV	\$443.60
3/4"	Socket/Threaded	EAUTB207STV	\$454.20
1"	Socket/Threaded	EAUTB210STV	\$481.60
1-1/2"	Socket/Threaded	EAUTB215STV	\$504.30
2"	Socket/Threaded	EAUTB220STV	\$556.10



## PM SERIES AUTOMATED TRUE UNION BALL VALVES

Cost effective, rack-and-pinion pneumatically actuated PMD or PMS Series actuator and TB Series true union ball valve complete with solenoid. Valve has socket and threaded end connections.

### DOUBLE ACTING

Price Code C

PVC/FPM Seals*			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB105STVA8	\$478.20
3/4"	Socket/Threaded	PMDTB107STVA8	\$486.40
1"	Socket/Threaded	PMDTB110STVA8	\$503.30
1-1/2"	Socket/Threaded	PMDTB115STVA8	\$521.30
2"	Socket/Threaded	PMDTB120STVA8	\$558.30

CPVC/FPM Seals*			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB205STVA8	\$509.00
3/4"	Socket/Threaded	PMDTB207STVA8	\$518.20
1"	Socket/Threaded	PMDTB210STVA8	\$545.90
1-1/2"	Socket/Threaded	PMDTB215STVA8	\$570.60
2"	Socket/Threaded	PMDTB220STVA8	\$621.50

\* EPDM seals available, consult factory.

### SPRING RETURN

Price Code C

PVC/FPM Seals*			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB105STVA9	\$510.80
3/4"	Socket/Threaded	PMSTB107STVA9	\$518.80
1"	Socket/Threaded	PMSTB110STVA9	\$535.90
1-1/2"	Socket/Threaded	PMSTB115STVA9	\$550.80
2"	Socket/Threaded	PMSTB120STVA9	\$578.40

CPVC/FPM Seals*			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB205STVA9	\$553.90
3/4"	Socket/Threaded	PMSTB207STVA9	\$590.80
1"	Socket/Threaded	PMSTB210STVA9	\$541.50
1-1/2"	Socket/Threaded	PMSTB215STVA9	\$603.20
2"	Socket/Threaded	PMSTB220STVA9	\$654.00

\* EPDM seals available, consult factory.



## SV SERIES TRUE UNION SOLENOID VALVES

SV Series solenoid valves are available in PVC or Corzan CPVC. Seals are FPM or EPDM. All sizes are offered with socket and threaded end connections. Standard voltage is 120 VAC. Specify optional voltage of 12 or 24 VAC/VDC or 220VAC.

Price Code C

PVC/FPM Seals			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	SV10050STV	\$345.80
3/4"	Socket/Threaded	SV10075STV	\$470.40
1"	Socket/Threaded	SV10100STV	\$514.60

Price Code C

CPVC/FPM Seals			
Size	End Conn.	Part No.	List Price
1/4"	Socket/Threaded	SV20025STV	\$373.10
1/2"	Socket/Threaded	SV20050STV	\$373.10
3/4"	Socket/Threaded	SV20075STV	\$506.30
1"	Socket/Threaded	SV20100STV	\$546.90

Price Code C

PVC/EPDM Seals			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	SV10050STE	\$337.40
3/4"	Socket/Threaded	SV10075STE	\$458.50
1"	Socket/Threaded	SV10100STE	\$499.40

Price Code C

CPVC/EPDM Seals			
Size	End Conn.	Part No.	List Price
1/4"	Socket/Threaded	SV20025STE	\$362.80
1/2"	Socket/Threaded	SV20050STE	\$362.80
3/4"	Socket/Threaded	SV20075STE	\$487.60
1"	Socket/Threaded	SV20100STE	\$531.70

Price Code C

Voltage Options*		
Option	Part No. Suffix	List Price
12VAC	12A/D	\$130.70
24VAC	24A/D	\$130.70
12VDC	12A/D	\$130.70
24VDC	24A/D	\$130.70
220VAC	220A	OPT-NC

\*Add list price of voltage option to list price of solenoid valve.

## REPLACEMENT PARTS PRICE LIST FOR SOLENOID VALVES

Price Code C

NO-PRESSURE DIFFERENTIAL (NPD) DESIGN*									
Size	PVC Cartridge & Seal Kit FPM	PVC Cartridge & Seal Kit EPDM	CPVC Cartridge & Seal Kit FPM	CPVC Cartridge & Seal Kit EPDM	Bonnet Nut	Coil 120 VOLT Bonnet, Nut & Clip	Coil 220 VOLT Bonnet, Nut & Clip	Coil 12 VAC or 12 VDC, Bonnet, Nut & Clip	Coil 24 VAC or 24 VDC, Bonnet, Nut & Clip
1/4" - 1/2"	SVX1VCART \$161.90	SVX1ECART \$152.80	SVX2VCART \$161.90	SVX2ECART \$172.90	SVX452B \$38.20	SVX5BCOIL120A \$302.00	SVX5BCOIL220A \$493.00	SVX5BCOIL12A/D \$493.00	SVX5BCOIL24A/D \$493.00
3/4" - 1"	SVX17VCART \$178.40	SVX17ECART \$171.00	SVX27VCART \$178.40	SVX27ECART \$171.00	SVX472B \$49.10	SVX1BCOIL120A \$312.90	SVX1BCOIL220A \$504.00	SVX1BCOIL12A/D \$504.00	SVX1BCOIL24A/D \$504.00

\* When replacing cartridge of valve requiring differential pressure, it is also necessary to replace coil.

# TB SERIES TRUE UNION BALL VALVES EQUIPPED FOR ACTUATOR MOUNTING



TB Series true union ball valves are offered in PVC, CPVC and the new Platinum GFPP. O-rings are FPM or EPDM and seats are PTFE. Up to 2 in. sizes have socket and threaded end connections. A trigger style lockout handle is an option. All valves are assembled with silicone free lubricant.

These prices include a mounting kit and installation when purchased with an actuator. Actuator prices are on pages 9-11.

- Integrally Molded Stem Support and Mounting Platform • Full Port
- Double O-Ring Stem Seals • Adjustable Seats

Price Code C

PVC/FPM		PVC/EPDM		CPVC/FPM		CPVC/EPDM		
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCTB1050STACTV	\$83.80	HCTB1050STACTE	\$82.20	HCTB2050STACTV	\$114.90	HCTB2050STACTE	\$113.40
1/2" Flanged	HCTB1050FLACTV	\$93.90	HCTB1050FLACTE	\$92.10	HCTB2050FLACTV	\$132.30	HCTB2050FLACTE	\$130.70
3/4" SKT/THD**	HCTB1075STACTV	\$92.10	HCTB1075STACTE	\$90.10	HCTB2075STACTV	\$124.30	HCTB2075STACTE	\$119.60
3/4" Flanged	HCTB1075FLACTV	\$102.90	HCTB1075FLACTE	\$99.60	HCTB2075FLACTV	\$143.30	HCTB2075FLACTE	\$140.10
1" SKT/THD**	HCTB1100STACTV	\$109.60	HCTB1100STACTE	\$107.60	HCTB2100STACTV	\$152.60	HCTB2100STACTE	\$149.50
1" Flanged	HCTB1100FLACTV	\$129.60	HCTB1100FLACTE	\$126.50	HCTB2100FLACTV	\$182.60	HCTB2100FLACTE	\$179.40
1-1/4" SKT/THD**	HCTB1125STACTV	\$128.10	HCTB1125STACTE	\$124.80	HCTB2125STACTV	\$178.00	HCTB2125STACTE	\$174.60
1-1/4" Flanged	HCTB1125FLACTV	\$151.80	HCTB1125FLACTE	\$148.50	HCTB2125FLACTV	\$212.40	HCTB2125FLACTE	\$209.40
1-1/2" SKT/THD**	HCTB1150STACTV	\$128.10	HCTB1150STACTE	\$124.80	HCTB2150STACTV	\$178.00	HCTB2150STACTE	\$174.60
1-1/2" Flanged	HCTB1150FLACTV	\$151.80	HCTB1150FLACTE	\$148.50	HCTB2150FLACTV	\$213.30	HCTB2150FLACTE	\$209.40
2" SKT/THD**	HCTB1200STACTV	\$165.80	HCTB1200STACTE	\$161.20	HCTB2200STACTV	\$229.90	HCTB2200STACTE	\$223.40
2" Flanged	HCTB1200FLACTV	\$202.30	HCTB1200FLACTE	\$197.90	HCTB2200FLACTV	\$280.20	HCTB2200FLACTE	\$273.90
2-1/2" Threaded	HCTB1250TACTV	\$410.10	HCTB1250TACTE	\$395.90	HCTB2250TACTV	\$590.70	HCTB2250TACTE	\$577.60
2-1/2" Socket	HCTB1250SACTV	\$410.10	HCTB1250SACTE	\$395.90	HCTB2250SACTV	\$590.70	HCTB2250SACTE	\$577.60
2-1/2" Flanged	HCTB1250FACTV	\$464.40	HCTB1250FACTE	\$451.80	HCTB2250FACTV	\$677.30	HCTB2250FACTE	\$662.70
3" Threaded	HCTB1300TACTV	\$410.10	HCTB1300TACTE	\$395.90	HCTB2300TACTV	\$590.70	HCTB2300TACTE	\$577.60
3" Socket	HCTB1300SACTV	\$410.10	HCTB1300SACTE	\$395.90	HCTB2300SACTV	\$590.70	HCTB2300SACTE	\$577.60
3" Flanged	HCTB1300FACTV	\$464.40	HCTB1300FACTE	\$451.80	HCTB2300FACTV	\$677.30	HCTB2300FACTE	\$662.70
4" Threaded	HCTB1400TACTV	\$560.20	HCTB1400TACTE	\$544.30	HCTB2400TACTV	\$813.40	HCTB2400TACTE	\$797.60
4" Socket	HCTB1400SACTV	\$560.20	HCTB1400SACTE	\$544.30	HCTB2400SACTV	\$813.40	HCTB2400SACTE	\$797.60
4" Flanged	HCTB1400FACTV	\$640.00	HCTB1400FACTE	\$622.50	HCTB2400FACTV	\$927.40	HCTB2400FACTE	\$913.10
6" Flanged*	HCTB1600FACTV	\$1,212.90	HCTB1600FACTE	\$1,131.70	HCTB2600FACTV	\$1,869.60	HCTB2600FACTE	\$1,677.70

\* 4" valve venturied to 6".

\*\* 1/2" thru 2" valves have socket and threaded end connections.

## TB SERIES GFPP TRUE UNION BALL VALVES EQUIPPED FOR ACTUATOR MOUNTING

Actuator prices on pages 9-11.

Price Code C

FPM O-rings			EPDM O-rings	
Size/End Conn	Part No.	List Price	Part No.	List Price
1/2" Threaded	HCTB4P050TACTV	\$134.80	HCTB4P050TACTE	\$116.90
3/4" Threaded	HCTB4P075TACTV	\$141.40	HCTB4P075TACTE	\$132.20
1" Threaded	HCTB4P100TACTV	\$165.40	HCTB4P100TACTE	\$158.90
1" Flanged	HCTB4P100TACTFV	\$189.60	HCTB4P100TACTFE	\$175.10
1-1/4" Threaded	HCTB4P125TACTV	\$185.20	HCTB4P125TACTE	\$161.00
1-1/4" Flanged	HCTB4P125TACTFV	\$247.40	HCTB4P125TACTFE	\$226.00
1-1/2" Threaded	HCTB4P150TACTV	\$197.90	HCTB4P150TACTE	\$194.00
1-1/2" Flanged	HCTB4P150TACTFV	\$254.30	HCTB4P150TACTFE	\$245.10
2" Threaded	HCTB4P200TACTV	\$252.70	HCTB4P200TACTE	\$236.20
2" Flanged	HCTB4P200TACTFV	\$359.30	HCTB4P200TACTFE	\$324.70

## CV SERIES PROFILE2™ CONTROL VALVES EQUIPPED FOR ACTUATOR MOUNTING



CV Series Profile2™ ball valves are available in PVC and CPVC with either FPM or EPDM o-rings. The valves have PTFE seats and positioners for Automated Modulating Service Applications. The proportional control provides two linear flow curves - one for fast opening, one for slow opening. All valves are assembled with silicone free lubricant. Actuator prices on pages 9-11.

Price Code C

Size/End Conn	PVC/FPM		PVC/EPDM		CPVC/FPM		CPVC/EPDM	
	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" Thd./Skt.	HCCV1050STV	\$157.70	HCCV1050STE	\$153.00	HCCV2050STV	\$157.70	HCCV2050STE	\$173.30
1/2" Flanged	HCCV1050FV	\$225.40	HCCV1050FE	\$219.00	HCCV2050FV	\$225.40	HCCV2050FE	\$239.00
3/4" Thd./Skt.	HCCV1075STV	\$157.70	HCCV1075TE	\$153.00	HCCV2075STV	\$157.70	HCCV2075STE	\$173.30
3/4" Flanged	HCCV1075FV	\$225.40	HCCV1075FE	\$219.00	HCCV2075FV	\$225.40	HCCV2075FE	\$239.00
1" Thd./Skt.	HCCV1100STV	\$157.70	HCCV1100STE	\$153.00	HCCV2100STV	\$178.00	HCCV2100STE	\$173.30
1" Flanged	HCCV1100FV	\$225.40	HCCV1100FE	\$219.00	HCCV2100FV	\$243.90	HCCV2100FE	\$239.00
2" Thd./Skt.	HCCV1200STV	\$231.90	HCCV1200STE	\$217.50	HCCV2200STV	\$284.00	HCCV2200STE	\$272.80
2" Flanged	HCCV1200FV	\$365.80	HCCV1200FE	\$357.80	HCCV2200FV	\$416.00	HCCV2200FE	\$406.10
3" Threaded	HCCV1300TV	\$422.10	HCCV1300TE	\$387.90	HCCV2300TV	\$616.40	HCCV2300TE	\$583.50
3" Socket	HCCV1300SV	\$422.10	HCCV1300SE	\$387.90	HCCV2300SV	\$616.40	HCCV2300SE	\$583.50
3" Flanged	HCCV1300FV	\$622.90	HCCV1300FE	\$590.10	HCCV2300FV	\$819.60	HCCV2300FE	\$785.10
4" Threaded	HCCV1400TV	\$603.00	HCCV1400TE	\$559.30	HCCV2400TV	\$938.90	HCCV2400TE	\$896.90
4" Socket	HCCV1400SV	\$603.00	HCCV1400SE	\$559.30	HCCV2400SV	\$938.90	HCCV2400SE	\$896.90
4" Flanged	HCCV1400FV	\$1,003.90	HCCV1400FE	\$963.50	HCCV2400FV	\$1,345.40	HCCV2400FE	\$1,301.00
6" Flanged	HCCV1600FV	\$1,272.40	HCCV1600FE	\$1,230.70	HCCV2600FV	\$1,614.80	HCCV2600FE	\$1,571.20



# ELECTRIC ACTUATORS FOR TB & CV SERIES TRUE UNION BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EAU Series:** Low cost solution for light duty applications not requiring a manual override. Corrosion resistant plastic housing, and light weight.



**EPZ Series:** Compact, reversing, non-spring return actuator is ideal for limited space applications and smaller size ball valves. Standard 120 VAC, and manual override including lock-out function (tool included), open/close only. Lightweight, aluminum alloy electrostatic coated, NEMA 4X and Class F motor protection.

Price Code C

EAU		
Valve Size	Actuator	
	Part No.	List Price
1/2"	EAU29	\$358.80
3/4"	EAU29	\$358.80
1"	EAU29	\$358.80
1-1/4"	EAU29	\$358.80
1-1/2"	EAU29	\$358.80
2"	EAU29	\$358.80

Valve Size	EPZ6		EPZ15	
	Actuator		Actuator	
	Part No.	List Price	Part No.	List Price
1/2"	EPZ6	\$457.30	EPZ15	\$487.80
3/4"	EPZ6	\$457.30	EPZ15	\$487.80
1"	EPZ6	\$457.30	EPZ15	\$487.80
1-1/4"	N/A	N/A	EPZ15	\$487.80
1-1/2"	N/A	N/A	EPZ15	\$487.80
2"	N/A	N/A	EPZ15	\$487.80

Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator & valve.				
Option	Suffix No.	EAU List Price	EPZ6 List Price	EPZ15 List Price
Voltage 12 VAC	12A	\$114.40	N/A	N/A
Voltage 12 VDC	12D	\$138.80	N/A	N/A
Voltage 120 VAC	120	STD	STD	STD
Voltage 220 VAC	220A	\$114.40	N/A	N/A
Voltage 230 VAC	230	N/A	OPT-NC	OPT-NC
Voltage 24 VAC	24A	\$114.40	OPT-NC	OPT-NC
Voltage 24 VDC	24D	\$138.80	N/A	N/A
Cold Weather Package	CWP	N/A	N/A	N/A
Extended Duty Motor	E	N/A	N/A	N/A
Brake	K	STD	N/A	N/A
1 Auxiliary Limit Switch	S	STD	N/A	N/A
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80

OPT-NC = Optional, no charge.

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard on actuator.

\* EPZ6 & EPZ15 offer 2 Pilot Switches standard.

# ELECTRIC ACTUATORS FOR TB & CV SERIES TRUE UNION BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EPM Series:** Heavy duty quarter-turn actuator for all applications. Standard 120 VAC, 2 auxiliary limit switches, heater and manual override. Powder coated aluminum alloy housing, NEMA 4/4X. Extended duty motor standard with all Proportional Control and 12/24VDC options.

Price Code C

	EPM2		EPM3		EPM4		EPM6	
Size	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
3/4"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
1"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
1-1/4"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
1-1/2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
2-1/2"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
3"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
4"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60
6"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60

Price Code C

## Options and Accessories (Options available where price is shown) Add to price of actuator & valve.

Option	Suffix No.	EPM2 List Price	EPM3 List Price	EPM4 List Price	EPM6 List Price
Voltage 12 VAC	12A	\$124.80	\$124.80	\$124.80	\$219.10
Voltage 12 VDC	12D*	\$124.80	\$124.80	\$124.80	\$219.10
Voltage 120 VAC	120	STD	STD	STD	STD
Voltage 230 VAC	230	OPT-NC	OPT-NC	OPT-NC	OPT-NC
Voltage 24 VAC	24A	\$124.80	\$124.80	\$124.80	\$219.10
Voltage 24 VDC	24D*	\$124.80	\$124.80	\$124.80	\$219.10
Cold Weather Package	CWP	N/A	\$242.90	\$242.90	\$242.90
Extended Duty Motor	E*	N/A	\$190.80	\$190.80	\$190.80
Feedback Potentiometer (1-5-10K Ohm Only)	F	N/A	\$164.70	\$164.70	\$164.70
4-20 mA Feedback Kit (120VAC ONLY)	F2	N/A	\$1,244.00	\$1,244.00	\$1,244.00
Handwheel Manual Override	M	STD	STD	STD	STD
Proportional Control -120/230 VAC	P*	N/A	\$1,213.40	\$1,606.70	\$1,213.40
Proportional Control -12/24 VAC/VDC	P*	N/A	\$1,542.90	\$1,717.40	\$1,251.40
Relay CLOSED Kit	RC	N/A	\$257.60	\$257.60	\$257.60
Relay OPEN Kit	RO	N/A	\$257.60	\$257.60	\$257.60
5th & 6th Auxillary Limit Switch	S5	N/A	N/A	N/A	\$164.70
Timer Kit	TK	N/A	\$817.10	\$817.10	\$456.40
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80	\$39.80

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard on actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.

# PNEUMATIC ACTUATORS FOR TB & CV SERIES TRUE UNION BALL VALVES

Prices are for the actuator or option only, add the cost of the valve, actuator and any options together for the total list price.



**PMD/S Series:** Rack and pinion design with corrosion resistant plastic housing for harsh environmental condition applications. Light duty applications.

All actuator sizing based on 80 PSI air.



**PMD4/PMS4 Series:** Lightweight Double Acting or Spring Return rack and pinion design with Glass Filled Polypropylene housing. Ideal for very corrosive applications and environments.



**PCD/S Series:** Best choice for heavy duty applications. Compact, rack and pinion design. IS05211 mounting base. Namur solenoid mount. Manual override.

BALL VALVES

## Air to Air

## Air to Spring

Price Code C

Valve Size	PMD		PMD4		PCD		PMS		PMS4		PCS	
	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
3/4"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
1"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
1-1/4"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	PMS15	\$243.70	PMS415	\$268.80	PCS15	\$382.30
1-1/2"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	PMS15	\$243.70	PMS415	\$268.80	PCS15	\$382.30
2"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	PMS15	\$243.70	PMS415	\$268.80	PCS20	\$492.90
2-1/2"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40
3"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40
4"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40
6"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40

Price Code C

## Options and Accessories (Options available where price is shown) Add to price of actuator & valve.

	Option	Suffix #	PMD/S & PMD4/S4 List Price	PCD/S List Price
VOLTAGE OPTIONS	Voltage 12 VDC	12D	\$30.00	\$30.00
	Voltage 24 VAC	24A	\$30.00	\$30.00
	Voltage 24 VDC	24D	\$30.00	\$30.00
	Voltage 220 VAC	220A	\$30.00	\$30.00
	Voltage 240 VAC	240A	\$30.00	\$30.00
SOLENOID VALVES*	Valve, 4-Way, NEMA 4X, 115VAC (PMD10, PCD15, 20)	A8	\$210.40	\$210.40
	Valve, 3-Way, NEMA 4X, 115VAC (PMS15, PCS15, 20, 25)	A9	\$210.40	\$210.40
	4-Way, NEMA 7 (PCD15, 20)	AA8	\$311.40	\$311.40
	3-Way, NEMA 7 (PCD15, 20, 25)	AA9	\$311.40	\$311.40
	Air Filter/Regulator	A10	\$124.20	\$124.20
POSITIONERS	Pneumatic Positioner 3-15 PSI Input	C	\$1,379.20	\$1,379.20
	Electro/Pneumatic Positioner 4-20 mA Input	C2	\$2,016.70	\$2,016.70
	Optional Beacon Positioner Indicator	R2	\$99.70	\$99.70
	Optional Position Transmitter 4-20 mA Output	R5	\$1,078.50	\$1,078.50
LIMIT SWITCHES	2 SPDT Switches, Flat Cover, NEMA 4X, 10 Amps	S2	\$355.60	\$355.60
	2 SPDT Switches, Beacon, NEMA 4X, 10 Amps	S4	\$406.20	\$406.20
	2 SPDT Switches, Flat Cover, NEMA 4 & 7, 10 Amps	SA2	\$510.90	\$510.90
	2 SPDT Switches, Beacon, NEMA 4 & 7, 10 Amps	SA4	\$574.00	\$574.00
MISC.	Speed Control (Air / Spring)	T3	\$50.70	\$50.70
	Speed Control (Air / Air)	T4	\$99.70	\$99.70
	316 Stainless Steel Tags	YSS2	\$39.80	\$39.80

POA = Priced on Availability. Consult factory for pricing and availability.

\* CSA listed Solenoid Valves available - consult factory.

# TW SERIES THREE-WAY BALL VALVES EQUIPPED FOR ACTUATOR MOUNTING



*These prices include a mounting kit and installation when purchased with an actuator. Actuator prices are on pages 14-16.*

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform
- Double O-Ring Stem Seals • NT Ball Standard; TW or TP Balls Available at No Extra Cost • Consult Factory for Part Number • For Cross Flow Version Consult Factory for Pricing and Availability

Price Code C

PVC/FPM		PVC/EPDM		CPVC/FPM		CPVC/EPDM		
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCTN1050STV	\$102.70	HCTN1050STE	\$97.90	HCTN2050STV	\$123.90	HCTN2050STE	\$118.80
1/2" Flanged	HCTN1050FV	\$154.00	HCTN1050FE	\$154.50	HCTN2050FV	\$195.70	HCTN2050FE	\$193.90
3/4" SKT/THD**	HCTN1075STV	\$114.90	HCTN1075STE	\$108.40	HCTN2075STV	\$126.60	HCTN2075STE	\$130.70
3/4" Flanged	HCTN1075FV	\$167.90	HCTN1075FE	\$167.20	HCTN2075FV	\$221.10	HCTN2075FE	\$218.00
1" SKT/THD**	HCTN1100STV	\$153.90	HCTN1100STE	\$145.20	HCTN2100STV	\$194.00	HCTN2100STE	\$179.60
1" Flanged	HCTN1100FV	\$211.50	HCTN1100FE	\$208.50	HCTN2100FV	\$258.70	HCTN2100FE	\$255.70
1-1/4" SKT/THD**	HCTN1125STV	\$171.40	HCTN1125STE	\$148.90	HCTN2125STV	\$217.80	HCTN2125STE	\$191.30
1-1/4" Flanged	HCTN1125FV	\$263.70	HCTN1125FE	\$248.30	HCTN2125FV	\$293.40	HCTN2125FE	\$279.80
1-1/2" SKT/THD**	HCTN1150STV	\$165.20	HCTN1150STE	\$156.80	HCTN2150STV	\$208.40	HCTN2150STE	\$197.80
1-1/2" Flanged	HCTN1150FV	\$310.70	HCTN1150FE	\$307.50	HCTN2150FV	\$375.80	HCTN2150FE	\$380.00
2" SKT/THD**	HCTN1200STV	\$214.80	HCTN1200STE	\$196.40	HCTN2200STV	\$278.30	HCTN2200STE	\$249.60
2" Flanged	HCTN1200FV	\$452.10	HCTN1200FE	\$447.60	HCTN2200FV	\$544.50	HCTN2200FE	\$540.00
2-1/2" Threaded	HCTN1250TV	\$638.00	HCTN1250TE	\$622.90	HCTN2250TV	\$905.50	HCTN2250TE	\$890.20
2-1/2" Socket	HCTN1250SV	\$638.00	HCTN1250SE	\$622.90	HCTN2250SV	\$905.50	HCTN2250SE	\$890.20
2-1/2" Flanged	HCTN1250FV	\$879.00	HCTN1250FE	\$791.30	HCTN2250FV	\$1,212.90	HCTN2250FE	\$1,124.10
3" Threaded	HCTN1300TV	\$649.60	HCTN1300TE	\$635.70	HCTN2300TV	\$902.40	HCTN2300TE	\$908.50
3" Socket	HCTN1300SV	\$649.60	HCTN1300SE	\$635.70	HCTN2300SV	\$902.40	HCTN2300SE	\$908.50
3" Flanged	HCTN1300FV	\$879.00	HCTN1300FE	\$802.20	HCTN2300FV	\$1,212.90	HCTN2300FE	\$1,139.80
4" Threaded	HCTN1400TV	\$999.00	HCTN1400TE	\$985.20	HCTN2400TV	\$1,375.40	HCTN2400TE	\$1,362.30
4" Socket	HCTN1400SV	\$999.00	HCTN1400SE	\$985.20	HCTN2400SV	\$1,375.40	HCTN2400SE	\$1,362.30
4" Flanged	HCTN1400FV	\$1,130.10	HCTN1400FE	\$1,076.20	HCTN2400FV	\$1,651.40	HCTN2400FE	\$1,595.80
6" Flanged*	HCTN1600FV	\$1,667.20	HCTN1600FE	\$1,669.20	HCTN2600FV	\$2,610.60	HCTN2600FE	\$2,620.90

\* 4" valve venturied to 6"

\*\* 1/2" thru 2" valves are supplied with both socket and threaded end connections.

# LA SERIES LATERAL THREE-WAY BALL VALVES EQUIPPED FOR ACTUATOR MOUNTING



*These prices include a mounting kit and installation when purchased with an actuator. Actuator prices are on pages 14-17.*

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform
- Double O-Ring Stem Seals • 90° Turn or 180°; Depending on Required Flow Pattern\*

Price Code C

THREE-WAY VALVES

PVC/FPM		PVC/EPDM		CPVC/FPM		CPVC/EPDM		
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCLA1050STV90	\$126.80	HCLA1050STE90	\$119.50	HCLA2050STV90	\$150.90	HCLA2050STE90	\$147.20
1/2" Flanged	HCLA1050FV90	\$188.20	HCLA1050FE90	\$187.60	HCLA2050FV90	\$239.90	HCLA2050FE90	\$237.00
3/4" SKT/THD**	HCLA1075STV90	\$130.30	HCLA1075STE90	\$135.70	HCLA2075STV90	\$180.10	HCLA2075STE90	\$169.80
3/4" Flanged	HCLA1075FV90	\$193.30	HCLA1075FE90	\$201.90	HCLA2075FV90	\$256.10	HCLA2075FE90	\$256.70
1" SKT/THD**	HCLA1100STV90	\$172.50	HCLA1100STE90	\$177.70	HCLA2100STV90	\$237.00	HCLA2100STE90	\$220.00
1" Flanged	HCLA1100FV90	\$275.60	HCLA1100FE90	\$270.80	HCLA2100FV90	\$410.00	HCLA2100FE90	\$333.20
1-1/4" SKT/THD**	HCLA1125STV90	\$171.90	HCLA1125STE90	\$177.50	HCLA2125STV90	\$266.80	HCLA2125STE90	\$234.80
1-1/4" Flanged	HCLA1125FV90	\$342.60	HCLA1125FE90	\$329.70	HCLA2125FV90	\$501.80	HCLA2125FE90	\$364.40
1-1/2" SKT/THD**	HCLA1150STV90	\$182.20	HCLA1150STE90	\$180.20	HCLA2150STV90	\$255.50	HCLA2150STE90	\$241.80
1-1/2" Flanged	HCLA1150FV90	\$390.40	HCLA1150FE90	\$385.60	HCLA2150FV90	\$588.20	HCLA2150FE90	\$475.40
2" SKT/THD**	HCLA1200STV90	\$224.20	HCLA1200STE90	\$237.60	HCLA2200STV90	\$340.40	HCLA2200STE90	\$305.70
2" Flanged	HCLA1200FV90	\$565.50	HCLA1200FE90	\$559.40	HCLA2200FV90	\$812.90	HCLA2200FE90	\$675.40
2-1/2" Threaded	HCLA1250TV90	\$715.50	HCLA1250TE90	\$722.10	HCLA2250TV90	\$1,109.60	HCLA2250TE90	\$1,090.00
2-1/2" Socket	HCLA1250SV90	\$715.50	HCLA1250SE90	\$722.10	HCLA2250SV90	\$1,109.60	HCLA2250SE90	\$1,090.00
2-1/2" Flanged	HCLA1250FV90	\$950.10	HCLA1250FE90	\$964.80	HCLA2250FV90	\$1,610.30	HCLA2250FE90	\$1,377.90
3" Threaded	HCLA1300TV90	\$772.70	HCLA1300TE90	\$736.90	HCLA2300TV90	\$1,129.60	HCLA2300TE90	\$1,112.40
3" Socket	HCLA1300SV90	\$772.70	HCLA1300SE90	\$736.90	HCLA2300SV90	\$1,129.60	HCLA2300SE90	\$1,112.40
3" Flanged	HCLA1300FV90	\$1,098.70	HCLA1300FE90	\$977.40	HCLA2300FV90	\$1,620.90	HCLA2300FE90	\$1,397.00
4" Threaded	HCLA1400TV90	\$1,215.00	HCLA1400TE90	\$1,198.30	HCLA2400TV90	\$1,685.50	HCLA2400TE90	\$1,670.10
4" Socket	HCLA1400SV90	\$1,215.00	HCLA1400SE90	\$1,198.30	HCLA2400SV90	\$1,685.50	HCLA2400SE90	\$1,670.10
4" Flanged	HCLA1400FV90	\$1,437.00	HCLA1400FE90	\$1,311.10	HCLA2400FV90	\$2,023.10	HCLA2400FE90	\$1,956.40
6" Flanged***	HCLA1600FV90	\$2,467.60	HCLA1600FE90	\$2,445.80	HCLA2600FV90	\$3,515.20	HCLA2600FE90	\$3,426.00

\* T port requires 180° actuation and L port requires 90° actuation.

\*\* 1/2" thru 2" valves are supplied with both socket and threaded end connections.

\*\*\* 4" valve venturied to 6".

# ELECTRIC ACTUATORS FOR TW & LA LATERAL SERIES THREE-WAY BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EAU+ Series:** Low cost solution for light duty applications not requiring a manual override. Corrosion resistant plastic housing, and light weight.

**EPZ Series:** Compact, reversing, non-spring return, actuator is ideal for limited space applications and smaller size ball valves. Standard 120 VAC, and manual override including lock-out function (tool included). Lightweight, aluminum alloy electrostatic coated, NEMA 4X, and Class F motor protection.

EAU+		
Valve Size	Actuator	
	Part No.	List Price
1/2"	EAU28	\$358.80
3/4"	EAU28	\$358.80
1"	EAU28	\$358.80
1-1/4"	EAU28	\$358.80
1-1/2"	EAU28	\$358.80
2"	EAU28	\$358.80

Price Code C

Valve Size	EPZ6		EPZ15	
	Actuator		Actuator	
	Part No.	List Price	Part No.	List Price
1/2"	EPZ6	\$457.30	EPZ15	\$487.80
3/4"	EPZ6	\$457.30	EPZ15	\$487.80
1"	EPZ6	\$457.30	EPZ15	\$487.80
1-1/4"	N/A	N/A	EPZ15	\$487.80
1-1/2"	N/A	N/A	EPZ15	\$487.80
2"	N/A	N/A	EPZ15	\$487.80

Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator & valve.				
Option	Suffix No.	EAU+ List Price	EPZ6 List Price	EPZ15 List Price
Voltage 12 VAC	12A	\$114.40	N/A	N/A
Voltage 12 VDC	12D	\$138.80	N/A	N/A
Voltage 120 VAC	120	STD	STD	STD
Voltage 220 VAC	220A	\$114.40	N/A	N/A
Voltage 230 VAC	230	N/A	OPT-NC	OPT-NC
Voltage 24 VAC	24A	\$114.40	OPT-NC	OPT-NC
Voltage 24 VDC	24D	\$138.80	N/A	N/A
Cold Weather Package	CWP	N/A	N/A	N/A
Extended Duty Motor	E	N/A	N/A	N/A
Brake	K	STD	N/A	N/A
1 Auxiliary Limit Switch	S	STD	N/A	N/A
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80

OPT-NC = Optional, no charge.

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard on actuator.

+ EAU actuator for TW Series 3-Way Ball valves ONLY, choose another actuator for LA Series Lateral 3-Way Ball valves.

\* EPZ6 & EPZ15 offer 2 Pilot Switches standard.

# ELECTRIC ACTUATORS FOR TW & LA LATERAL SERIES THREE-WAY BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EPM Series:** Heavy duty quarter-turn actuator for all applications. Standard 120 VAC, 2 auxiliary limit switches, heater and manual override. Powder coated aluminum alloy housing, NEMA 4/4X. Extended duty motor standard with all Proportional Control and 12/24VDC options.

Price Code C

Valve Size	EPM2		EPM3		EPM4		EPM6		EPM8	
	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
3/4"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
1"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
1-1/4"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
1-1/2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
2"	EPM2	\$572.60	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
2-1/2"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
3"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	N/A	N/A
4"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	EPM8	\$1,616.50
6"	N/A	N/A	EPM3	\$578.30	EPM4	\$1,058.40	EPM6	\$1,405.60	EPM8	\$1,616.50

Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator.						
Option	Suffix No.	EPM2 List Price	EPM3 List Price	EPM4 List Price	EPM6 List Price	EPM8 List Price
Voltage 12 VAC	12A	\$124.80	\$124.80	\$124.80	\$219.10	\$219.10
Voltage 12 VDC	12D*	\$124.80	\$124.80	\$124.80	\$219.10	\$219.10
Voltage 120 VAC	120	STD	STD	STD	STD	STD
Voltage 230 VAC	230	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC
Voltage 24 VAC	24A	\$124.80	\$124.80	\$124.80	\$219.10	\$219.10
Voltage 24 VDC	24D*	\$124.80	\$124.80	\$124.80	\$219.10	\$219.10
Cold Weather Package	CWP	N/A	\$242.90	\$242.90	\$242.90	\$242.90
0-90°/180° or 0-45°/90°	D	N/A	\$260.10	\$260.10	\$260.10	\$260.10
0-180° (EPM6 & higher ONLY)	D1	N/A	N/A	N/A	\$257.60	\$257.60
Extended Duty Motor	E*	N/A	\$190.80	\$190.80	\$190.80	\$190.80
Feedback Potentiometer (1-5-10k Ohm Only)	F	N/A	\$164.70	\$164.70	\$164.70	\$164.70
4-20 mA Feedback Kit (120VAC ONLY)	F2	N/A	\$883.40	\$883.40	\$883.40	\$883.40
Handwheel Manual Override	M	N/A	N/A	N/A	STD	STD
Proportional Control -120/230 VAC	P*	N/A	\$1,213.40	\$1,606.70	\$1,213.40	\$1,213.40
Proportional Control -12/24 VAC/VDC	P*	N/A	\$1,542.90	\$1,717.40	\$1,251.40	\$1,251.40
Relay CLOSED kit	RC	N/A	\$257.60	\$257.60	\$257.60	\$257.60
Relay OPEN kit	RO	N/A	\$257.60	\$257.60	\$257.60	\$257.60
5th & 6th Auxillary Limit Switch	S5	N/A	N/A	N/A	\$164.70	\$164.70
Heater Only	T	STD	STD	STD	STD	STD
Timer Kit	TK	N/A	\$817.10	\$817.10	\$456.40	\$456.40
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard to actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.

THREE-WAY VALVES

# ELECTRIC ACTUATORS FOR TW & LA LATERAL SERIES THREE-WAY BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EPS Series:** Heavy duty rack and pinion spring-return actuator for all ball valves. Standard 120 VAC, 2 auxiliary limit switches, and heater. Powder coated aluminum alloy housing, NEMA 4/4X. Specify clockwise (CW) or counter-clockwise (CCW) movement. Consult factory for application assistance.

## Price Code C

Valve Size	EPS5 Actuator		EPS12 Actuator	
	Part No.	List Price	Part No.	List Price
1/2"	EPS5	\$5,639.20	N/A	N/A
3/4"	EPS5	\$5,639.20	N/A	N/A
1"	EPS5	\$5,639.20	N/A	N/A
1-1/4"	EPS5	\$5,639.20	N/A	N/A
1-1/2"	EPS5	\$5,639.20	N/A	N/A
2"	EPS5	\$5,639.20	N/A	N/A
2-1/2"	EPS5	\$5,639.20	N/A	N/A
3"	EPS5	\$5,639.20	N/A	N/A
4"	N/A	N/A	EPS12	\$8,203.60
6"	N/A	N/A	EPS12	\$8,203.60

## Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator.			
Option	Suffix No.	EPS5 List Price	EPS12 List Price
Voltage 12 VAC	12A	\$212.70	\$212.70
Voltage 12 VDC	12D*	\$212.70	\$212.70
Voltage 120 VAC	120	STD	STD
Voltage 230 VAC	230	\$212.70	\$212.70
Voltage 24 VAC	24A	\$212.70	\$212.70
Voltage 24 VDC	24D*	\$212.70	\$212.70
Cold Weather Package	CWP	\$507.90	\$507.90
Extended Duty Motor	E*	STD	STD
Feedback Potentiometer (1-5-10k Ohm Only)	F	N/A	N/A
4-20 mA Feedback Kit (120VAC ONLY)	F2	N/A	N/A
Brake	K	STD	STD
Handwheel Manual Override	M	\$923.90	\$1,520.50
Proportional Control -120/230 VAC	P*	\$1,013.70	\$1,013.70
Proportional Control -12/24 VAC/VDC	P*	N/A	N/A
Relay CLOSED kit	RC	N/A	N/A
Relay OPEN kit	RO	N/A	N/A
2 Auxiliary Limit Switches	S2	STD	STD
5th & 6th Auxillary Limit Switch	S5	\$247.20	\$247.20
Heater Only	T	STD	STD
Timer Kit	TK	N/A	N/A
Proportional V-Card (120VAC & 24VAC/VDC)	V	N/A	N/A
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard to actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.



# PNEUMATIC ACTUATORS FOR TW & LA LATERAL SERIES THREE-WAY BALL VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**PMD/S Series:** Rack and pinion design with corrosion resistant plastic housing for harsh environmental condition applications. Light duty applications.

All actuator sizing based on 80 PSI air.



**PMD4/PMS4 Series:** Lightweight Double Acting or Spring Return rack and pinion design with Glass Filled Polypropylene housing. Ideal for very corrosive applications and environments.



**PCD/S Series:** Best choice for heavy duty applications. Compact, rack and pinion design. IS05211 mounting base. Namur solenoid mount. Manual override.

## Air to Air (Double Acting)

## Air to Spring (Fail Safe) Price Code C

Valve Size	PMD		PMD4		PCD		PMS		PMS4		PCS	
	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
3/4"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
1"	PMD10	\$210.40	PMD410	\$219.70	PCD15	\$340.60	PMS15	\$243.70	PMS410	\$254.30	PCS15	\$382.30
1-1/4"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	PMS15	\$243.70	PMS415	\$268.80	PCS15	\$382.30
1-1/2"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	PMS15	\$243.70	PMS415	\$268.80	PCS15	\$382.30
2"	PMD10	\$210.40	PMD415	\$227.00	PCD15	\$340.60	N/A	POA	PMS415	\$268.80	PCS20	\$492.90
2-1/2"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40
3"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS25	\$731.40
4"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS30	\$848.05
6"	N/A	POA	PMD419	\$352.30	PCD20	\$466.80	N/A	POA	PMS419	\$406.40	PCS30	\$890.50

Price Code C

## Options and Accessories *Add to price of actuator*

	Option	Suffix No.	PMD/S & PMD4/S4 List Price	PCD/S List Price
<b>VOLTAGE OPTIONS</b>	Voltage 12 VDC	12D	\$30.00	\$30.00
	Voltage 24 VAC	24A	\$30.00	\$30.00
	Voltage 24 VDC	24D	\$30.00	\$30.00
	Voltage 220 VAC	220A	\$30.00	\$30.00
	Voltage 240 VAC	240A	\$30.00	\$30.00
<b>SOLENOID VALVES</b>	Solenoid Valve, 4-Way, NEMA 4, 115 VAC	A8	\$210.40	\$210.40
	Solenoid Valve, 3-Way, NEMA 4, 115 VAC	A9	\$210.40	\$210.40
	4-Way, NEMA 7 (PCD15, 20)	AA8	\$311.40	\$311.40
	3-Way, NEMA 7 (PCD15, 20, 25)	AA9	\$311.40	\$311.40
	Air Filter/Regulator	A10	\$124.20	\$124.20
<b>POSITIONERS</b>	Pneumatic Positioner 3-15 PSI Input	C	\$1,379.20	\$1,379.20
	Electro/Pneumatic Positioner 4-20 mA Input	C2	\$2,016.70	\$2,016.70
	Optional Beacon Positioner Indicator	R2	\$99.70	\$99.70
	Optional Position Transmitter 4-20 mA Output	R5	\$1,078.50	\$1,078.50
<b>LIMIT SWITCHES</b>	2 SPDT Switches, Flat Cover, NEMA 4X, 10 Amps	S2	\$355.60	\$355.60
	2 SPDT Switches, Beacon, NEMA 4X, 10 Amps	S4	\$406.20	\$406.20
	2 SPDT Switches, Flat Cover, NEMA 4 & 7, 10 Amps	SA2	\$510.90	\$510.90
	2 SPDT Switches, Beacon, NEMA 4 & 7, 10 Amps	SA4	\$574.00	\$574.00
<b>MISCELLANEOUS</b>	Speed Control (Air / Spring)	T3	\$50.70	\$50.70
	Speed Control (Air / Air)	T4	\$99.70	\$99.70
	316 Stainless Steel Tags	YSS2	\$39.80	\$39.80

N/A = Feature Not Applicable to actuator.

POA = Priced on Availability. Consult factory for pricing and availability.

# BY & BYB SERIES BUTTERFLY VALVES



All BY Series Butterfly valves feature a reverse "V" notch fastened abrasion resistant elastomeric liner and blow out proof stainless steel stem. BY Series Butterfly valves have Type 316 stainless steel shafts.

All BYB Butterfly valves feature a full face liner and liner retention slot. BYB Butterfly valves have Type 410 stainless steel shafts.

Valve sizes 1-1/2" to 12" with FPM, EPDM, and NITRILE seals are assembled with silicone free lubricant.

These prices include a mounting kit and installation when purchased with an actuator. Actuator prices are on pages 19-21.

Price Code C

Size	Body	Disc	FPM LINER & SEALS		EPDM LINER & SEALS		NITRILE LINER & SEALS	
			Part No.	Price	Part No.	Price	Part No.	Price
1-1/2" - 2"	PVC	PVC	HCBY11152VA	\$490.40	HCBY11152EA	\$267.60	HCBY11152NA	\$267.60
	PVC	PP	HCBY14152VA	\$490.40	HCBY14152EA	\$267.60	HCBY14152NA	\$267.60
	CPVC	CPVC	HCBY22152VA	\$632.00	HCBY22152EA	\$330.00	HCBY22152NA	\$330.00
	PP	PP	HCBY44200V	\$680.00	HCBY44200E	\$357.80	HCBY44200N	\$357.80
3"	PVC	PVC	HCBY11300V	\$552.10	HCBY11300E	\$289.40	HCBY11300N	\$289.40
	PVC	PP	HCBY14300V	\$552.10	HCBY14300E	\$289.40	HCBY14300N	\$289.40
	CPVC	CPVC	HCBY22300V	\$718.00	HCBY22300E	\$372.60	HCBY22300N	\$372.60
	PP	PP	HCBY44300V	\$730.10	HCBY44300E	\$373.00	HCBY44300N	\$373.00
4"	PVC	PVC	HCBY11400V	\$655.70	HCBY11400E	\$326.20	HCBY11400N	\$326.20
	PVC	PP	HCBY14400V	\$655.70	HCBY14400E	\$326.20	HCBY14400N	\$326.20
	CPVC	CPVC	HCBY22400V	\$896.60	HCBY22400E	\$423.80	HCBY22400N	\$423.80
	PP	PP	HCBY44400V	\$939.90	HCBY44400E	\$428.90	HCBY44400N	\$428.90
6"	PVC	PVC	HCBY11600V	\$1,045.40	HCBY11600E	\$461.20	HCBY11600N	\$461.20
	PVC	PP	HCBY14600V	\$1,045.40	HCBY14600E	\$461.20	HCBY14600N	\$461.20
	CPVC	CPVC	HCBY22600V	\$1,539.60	HCBY22600E	\$611.00	HCBY22600N	\$611.00
	PP	PP	HCBY44600V	\$1,520.20	HCBY44600E	\$605.70	HCBY44600N	\$605.70
8"	PVC	PVC	HCBY11800V	\$1,707.50	HCBY11800E	\$773.70	HCBY11800N	\$773.70
	PVC	PP	HCBY14800V	\$1,707.50	HCBY14800E	\$773.70	HCBY14800N	\$773.70
	CPVC	CPVC	HCBY22800V	\$2,051.70	HCBY22800E	\$910.90	HCBY22800N	\$910.90
	PP	PP	HCBY44800V	\$2,603.70	HCBY44800E	\$1,605.10	HCBY44800N	\$1,605.10
10"	PP	PVC	HCBY41100V	\$3,244.80	HCBY41100E	\$1,252.10	HCBY41100N	\$1,252.10
	PP	PP	HCBY44100V	\$3,399.30	HCBY44100E	\$1,726.40	HCBY44100N	\$1,693.80
12"	PP	PVC	HCBY41120V	\$4,462.10	HCBY41120E	\$1,735.20	HCBY41120N	\$1,735.20
	PP	PP	HCBY44120V	\$4,674.50	HCBY44120E	\$2,392.70	HCBY44120N	\$2,392.70
10"	PVC	PP	BYB1100F3KGA	\$4,371.00	BYB1100E3KGA	\$2,108.20	BYB1100N3KGA	\$2,108.20
	CPVC	CPVC	BYB2100F2KGA	\$4,656.40	BYB2100E2KGA	\$2,561.60	BYB2100N2KGA	\$2,561.60
	PP	PP	BYB3100F3KGA	\$4,751.50	BYB3100E3KGA	\$2,508.10	BYB3100N3KGA	\$2,508.10
	PVDF	PVDF	BYB5100F5KGA	POA	BYB5100E5KGA	POA	BYB5100N5KGA	POA
12"	PVC	PP	BYB1120F3KGA	\$5,170.00	BYB1120E3KGA	\$2,508.10	BYB1120N3KGA	\$2,508.10
	CPVC	CPVC	BYB2120F2KGA	\$6,390.10	BYB2120E2KGA	\$4,029.50	BYB2120N2KGA	\$4,029.50
	PP	PP	BYB3120F3KGA	\$5,857.40	BYB3120E3KGA	\$3,099.70	BYB3120N3KGA	\$3,099.70
	PVDF	PVDF	BYB5120F5KGA	POA	BYB5120E5KGA	POA	BYB5120N5KGA	POA
14"	PVC	PP	BYB1140F3KGA	\$13,611.20	BYB1140E3KGA	\$5,601.00	BYB1140N3KGA	\$5,601.00
	CPVC	CPVC	BYB2140F2KGA	\$18,626.00	BYB2140E2KGA	\$7,664.70	BYB2140N2KGA	\$7,664.70
	PP	PP	BYB3140F3KGA	\$14,327.70	BYB3140E3KGA	\$5,895.90	BYB3140N3KGA	\$5,895.90
	PVDF	PVDF	BYB5140F5KGA	\$16,316.80	BYB5140E5KGA	\$13,911.50	BYB5140N5KGA	\$13,911.50
16"	PVC	PP	BYB1160F3KGA	\$15,420.50	BYB1160E3KGA	\$9,168.00	BYB1160N3KGA	\$9,168.00
	CPVC	CPVC	BYB2160F2KGA	\$21,102.60	BYB2160E2KGA	\$12,546.60	BYB2160N2KGA	\$12,546.60
	PP	PP	BYB3160F3KGA	\$16,232.70	BYB3160E3KGA	\$9,651.10	BYB3160N3KGA	\$9,651.10
	PVDF	PVDF	BYB5160F5KGA	\$23,850.40	BYB5160E5KGA	\$20,669.40	BYB5160N5KGA	\$20,669.40
18"	PVC	PP	BYB1180F3KGA	\$17,989.30	BYB1180E3KGA	\$12,399.30	BYB1180N3KGA	\$12,399.30
	CPVC	CPVC	BYB2180F2KGA	\$24,618.00	BYB2180E2KGA	\$16,967.70	BYB2180N2KGA	\$16,967.70
	PP	PP	BYB3180F3KGA	\$18,936.90	BYB3180E3KGA	\$13,052.10	BYB3180N3KGA	\$13,052.10
	PVDF	PVDF	BYB5180F5KGA	POA	BYB5180E5KGA	POA	BYB5180N5KGA	POA
20"	PVC	PP	BYB1200F3KGA	\$21,402.30	BYB1200E3KGA	\$13,820.30	BYB1200N3KGA	\$13,820.30
	CPVC	CPVC	BYB2200F2KGA	\$29,288.10	BYB2200E2KGA	\$18,912.00	BYB2200N2KGA	\$18,912.00
	PP	PP	BYB3200F3KGA	\$22,529.30	BYB3200E3KGA	\$14,547.80	BYB3200N3KGA	\$14,547.80
	PVDF	PVDF	BYB5200F5KGA	POA	BYB5200E5KGA	POA	BYB5200N5KGA	POA
24"	PVC	PP	BYB1240F3KGA	POA	BYB1240E3KGA	\$19,801.00	BYB1240N3KGA	\$19,801.00
	CPVC	CPVC	BYB2240F2KGA	POA	BYB2240E2KGA	POA	BYB2240N2KGA	POA
	PP	PP	BYB3240F3KGA	\$30,286.30	BYB3240E3KGA	\$20,836.60	BYB3240N3KGA	\$20,836.60
	PVDF	PVDF	BYB5240F5KGA	POA	BYB5240E5KGA	POA	BYB5240N5KGA	POA

POA = Priced on Availability. Consult factory for pricing and availability.

OPTIONS: See Price List CMVA-06 for available options.

# ELECTRIC ACTUATORS FOR BY & BYB BUTTERFLY VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EPM Series:** Heavy duty quarter-turn actuator for all applications. Standard 120 VAC, 2 auxiliary limit switches, heater and manual override. Powder coated aluminum alloy housing, NEMA 4/4X. Extended duty motor standard with all Proportional Control and 12/24VDC options.

Price Code C

Valve Size	EPM			
	Actuator		Actuator	
	Part No.	List Price	Part No.	List Price
1-1/2" - 3"	EPM3	\$578.30	EPM4	\$1,058.40
4"	EPM4	\$1,058.40	EPM6	\$1,405.60
6"	EPM6	\$1,405.60	EPM8	\$1,616.50
8"	EPM11	\$1,643.40	EPM13	\$2,042.40
10" - 12"	EPM22	\$2,129.20	EPM35	\$2,431.20
14" - 24"	EPM130	\$4,836.20		

Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator.										
Option	Suffix #	EPM3	EPM4	EPM6	EPM8	EPM11	EPM13	EPM22	EPM35	EPM130
Voltage 12 VAC	12A	\$124.80	\$124.80	\$219.10	\$219.10	\$219.10	\$435.00	\$435.00	\$435.00	N/A
Voltage 12 VDC	12D*	\$124.80	\$124.80	\$219.10	\$219.10	\$219.10	\$435.00	\$435.00	\$435.00	N/A
Voltage 120 VAC	120	STD	STD	STD	STD	STD	STD	STD	STD	STD
Voltage 230 VAC	230	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC
Voltage 24 VAC	24A	\$124.80	\$124.80	\$219.10	\$219.10	\$219.10	\$415.00	\$415.00	\$415.00	\$415.00
Voltage 24 VDC	24D*	\$124.80	\$124.80	\$219.10	\$219.10	\$219.10	\$415.00	\$415.00	\$415.00	\$415.00
Cold Weather Package	CWP	\$242.90	\$242.90	\$242.90	\$242.90	\$242.90	\$507.90	\$507.90	\$507.90	\$507.90
Extended Duty Motor	E*	\$190.80	\$190.80	\$190.80	\$190.80	\$190.80	\$190.80	\$190.80	\$190.80	\$190.80
Feedback Potentiometer (1-5-10k Ohm Only)	F	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70
4-20 mA Feedback Kit (120VAC ONLY)	F2	\$1,244.00	\$1,244.00	\$883.40	\$883.40	\$883.40	\$883.40	\$883.40	\$883.40	\$883.40
Handwheel Manual Override	M	**	**	STD	STD	STD	STD	STD	STD	STD
Proportional Control -120/230 VAC	P*	\$1,213.40	\$1,606.70	\$1,213.40	\$1,213.40	\$1,289.80	\$1,213.40	\$1,317.80	\$1,317.80	\$1,317.80
Proportional Control -12/24 VAC/VDC	P*	\$1,542.90	\$1,717.40	\$1,251.40	\$1,251.40	\$1,405.00	\$1,405.00	\$1,251.40	\$1,251.40	\$1,251.40
Relay CLOSED kit	RC	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60
Relay OPEN kit	RO	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60	\$257.60
2 Auxillary Limit Switches	S2	STD	STD	STD	STD	STD	STD	STD	STD	STD
5th & 6th Auxillary Limit Switch	S5	N/A	N/A	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70	\$164.70
Heater Only	T	STD	STD	STD	STD	STD	STD	STD	STD	STD
Timer Kit	TK	\$817.10	\$817.10	\$456.40	\$456.40	\$456.40	\$456.40	\$456.40	\$456.40	\$456.40
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80	\$39.80

POA = Priced on Availability. Consult factory for pricing and availability.

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard to actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.

\*\* Manual Override via Hex Drive is STD.

BUTTERFLY VALVES

# ELECTRIC ACTUATORS FOR BY & BYB BUTTERFLY VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EPS Series:** Heavy duty rack and pinion spring-return actuator for all ball valves. Standard 120 VAC, 2 auxiliary limit switches, and heater. Powder coated aluminum alloy housing, NEMA 4/4X. Specify clockwise (CW) or counter-clockwise (CCW) movement.

## Price Code C

EPS		
Size	Part No.	List Price
1/2" - 3"	EPS5	\$5,639.20
4"	EPS12	\$8,203.60
6"	EPS18	\$12,775.80
8"	N/A	N/A
10" - 12"	N/A	N/A
14" - 24"	N/A	N/A

## Price Code C

Options and Accessories (Options available where price is shown) Add to price of actuator.				
Option	Suffix No.	EPS5 List Price	EPS12 List Price	EPS18 List Price
Voltage 12 VAC	12A	\$212.70	\$212.70	\$212.70
Voltage 12 VDC	12D*	\$212.70	\$212.70	N/A
Voltage 120 VAC	120	STD	STD	STD
Voltage 230 VAC	230	\$212.70	\$212.70	\$212.70
Voltage 24 VAC	24A	\$212.70	\$212.70	STD
Voltage 24 VDC	24D*	\$212.70	\$212.70	\$212.70
Cold Weather Package	CWP	\$507.90	\$507.90	\$507.90
Extended Duty Motor	E*	STD	STD	STD
Feedback Potentiometer (1-5-10K Ohm Only)	F	N/A	N/A	N/A
4-20 mA Feedback Kit (120VAC ONLY)	F2	N/A	N/A	N/A
Brake	K	STD	STD	STD
Handwheel Manual Override	M	\$923.90	\$1,520.50	\$2,123.00
Proportional Control -120/230 VAC	P*	\$1,013.70	\$1,013.70	\$1,013.70
Proportional Control -12/24 VAC/VDC	P*	N/A	N/A	N/A
Relay CLOSED kit	RC	N/A	N/A	N/A
Relay OPEN kit	RO	N/A	N/A	N/A
2 Auxiliary Limit Switches^	S2	STD	STD	STD
5th & 6th Auxiliary Limit Switch	S5	\$247.20	\$247.20	\$247.20
Heater Only	T	N/A	STD	STD
Timer Kit	TK	N/A	N/A	N/A
Proportional V-Card (120VAC & 24VAC/VDC)	V	N/A	N/A	N/A
316 Stainless Steel Tags	YSS2	\$39.80	\$39.80	\$39.80

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard to actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.

\*\* Manual Override via Hex Drive is STD.

# PNEUMATIC ACTUATORS FOR BUTTERFLY VALVES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**PMD4/PMS4 Series:** Lightweight Double Acting or Spring Return rack and pinion design with Glass Filled Polypropylene housing. Ideal for very corrosive applications and environments.



**PCD/S Series:** Best choice for most applications. Compact, rack and pinion design fits all size butterfly valves. Manual override. Heavy duty applications. ISO 5211 mounting base. Namur solenoid mount.

All actuator sizing based on 80 PSI air.

**Air to Air**

**Air to Spring**

**Price Code C**

PMD4		PCD		PMS4		PCS		
Valve Size	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1-1/2" & 2"	PMD419	\$352.30	PCD20	\$466.80	PMS420	\$425.60	PCS25	\$731.40
3"	PMD419	\$352.30	PCD20	\$466.80	PMS420	\$425.60	PCS25	\$731.40
4"	PMD419	\$352.30	PCD25	\$627.70	N/A	N/A	PCS30	\$890.50
6"	N/A	N/A	PCD30	\$803.30	N/A	N/A	PCS35	\$1,172.30
8"	N/A	N/A	PCD35	\$945.60	N/A	N/A	PCS45	\$1,864.20
10"	N/A	N/A	PCD45	\$1,660.20	N/A	N/A	PCS60	\$2,923.10
12"	N/A	N/A	PCD45	\$1,660.20	N/A	N/A	PCS60	\$2,923.10
14" & 16"	N/A	N/A	PCD60	\$2,979.40	N/A	N/A	POA	POA
18" & 24"	N/A	N/A	PCD75	\$3,710.90	N/A	N/A	POA	POA

**Price Code C**

Options and Accessories <i>Add to price of actuator</i>				
	Option	Suffix No.	PMD4/S4 List Price	PCD/S List Price
<b>VOLTAGE OPTIONS</b>	Voltage 24 VAC	24A	\$30.00	\$30.00
	Voltage 220 VAC	220A	\$30.00	\$30.00
	Voltage 240 VAC	240A	\$30.00	\$30.00
	Voltage 12 VDC	12D	\$30.00	\$30.00
	Voltage 24 VDC	24D	\$30.00	\$30.00
<b>SOLENOID VALVES</b>	<b>Solenoid Valve, 4-Way, NEMA 4, 115 VAC</b> (PCD20, 25, 30, 35, 45, 60, 75)	A8	\$210.40	\$210.40
	(PKD5, 7, 9)	A8	\$210.40	\$210.40
	<b>Solenoid Valve, 3-Way, NEMA 4, 115 VAC</b> (PCS 25, 30, 35, 45, 60)	A9	\$210.40	\$210.40
	4-Way, NEMA 7 (PCD20, 25, 30, 35, 45, 60, 75)	AA8	\$311.40	\$311.40
	3-Way, NEMA 7 (PCS25, 30, 35, 45, 60)	AA9	\$311.40	\$311.40
	Air Filter/Regulator	A10	\$124.20	\$124.20
	<b>POSITIONERS</b>	<b>Positioners (Ryton®)</b>		
Pneumatic Positioner 3-15 PSI Input		C	\$1,379.20	\$1,379.20
Electro/Pneumatic Positioner 4-20 mA Input		C2	\$2,016.70	\$2,016.70
Optional Beacon Positioner Indicator		R2	\$99.70	\$99.70
Optional Position Transmitter 4-20 mA Output		R5	\$1,078.50	\$1,078.50
<b>LIMIT SWITCHES</b>	<b>Limit Switches (Eastar® Enclosure)</b>			
	2 SPDT Switches, Flat Cover, NEMA 4X, 10 Amps	S2	\$355.60	\$355.60
	2 SPDT Switches, Beacon, NEMA 4X, 10 Amps	S4	\$406.20	\$406.20
	<b>Limit Switches (Aluminum Enclosure)</b>			
	2 SPDT Switches, Flat Cover, NEMA 4 & 7, 10 Amps	SA2	\$510.90	\$510.90
2 SPDT Switches, Beacon, NEMA 4 & 7, 10 Amps	SA4	\$574.00	\$574.00	
<b>MISCELLANEOUS</b>	Speed Control (Air / Spring)	T3	\$50.70	\$50.70
	Speed Control (Air / Air)	T4	\$99.70	\$99.70
	316 Stainless Steel Tags	YSS2	\$39.80	\$39.80

POA = Priced on Availability. Consult factory for pricing and availability.

BUTTERFLY VALVES

## EPD SERIES ELECTRIC ACTUATORS FOR TRUE UNION BALL VALVES

Price is for actuator only; add the cost of the valve and any required options.

EMT Enclosure  
Option Shown



**EPD Series:** Heavy duty reversing spring return electric actuator for all applications. Maintenance-free standard unit (-2) has 2 internal limit switches – non-adjustable, field adjustable voltage ranging from 24V to 230V AC or DC, field adjustable speeds from 3 to 10 seconds and low power internal heater. Aluminum die cast housing, NEMA 4.

Price Code C

Valve Size	Part No.	List Price
1/2" – 1"	EPD2-0	\$2,552.60
1/2" – 1"	EPD2-2	\$2,733.60
1/2" – 1"	EPD2-P0	\$2,920.50
1-1/4" – 2"	EPD3-0	\$2,640.10
1-1/4" – 2"	EPD3-2	\$2,827.10
1-1/4" – 2"	EPD3-P0	\$3,019.90
2-1/2" – 6"	EPD4-0	\$4,602.80
2-1/2" – 6"	EPD4-2	\$4,789.70
2-1/2" – 6"	EPD4-P0	\$5,356.30

Options and Accessories Add to price of actuator		
Option*	Suffix No.	All Models
Auxiliary Switch (External Mounting)	X	\$1,132.20
EMT Enclosure (EPD2/3)	M23	\$195.00
EMT Enclosure (EPD4/5)	M45	\$249.60
Manual (Handwheel) Override (EPD2/3)	V23	\$555.10
Manual (Handwheel) Override (EPD4/5)	V45	\$667.50

\* ISO5211 Mounting Kit included with any purchase of valve and EPD Series Actuator combined.

## EPD SERIES ELECTRIC ACTUATORS FOR BUTTERFLY VALVES

Price is for actuator only; add the cost of the valve and any required options.



**EPD Series:** Heavy duty reversing spring return electric actuator for all applications. Maintenance-free standard unit (-2) has 2 internal limit switches – non-adjustable, field adjustable voltage ranging from 24V to 230V AC or DC, field adjustable speeds from 3 to 10 seconds and low power internal heater. Aluminum die cast housing, NEMA 4.

Price Code C

Valve Size	Part No.	List Price
1-1/2" – 4"	EPD5-0	\$4,760.50
1-1/2" – 4"	EPD5-2	\$4,953.20
1-1/2" – 4"	EPD5-P0	\$5,537.40

Options and Accessories Add to price of actuator		
Option*	Suffix No.	All Models
Auxiliary Switch (External Mounting)	X	\$1,132.20
EMT Enclosure (EPD2/3)	M23	\$195.00
EMT Enclosure (EPD4/5)	M45	\$249.60
Manual (Handwheel) Override (EPD2/3)	V23	\$555.10
Manual (Handwheel) Override (EPD4/5)	V45	\$667.50

\* ISO5211 Mounting Kit included with any purchase of valve and EPD Series Actuator combined.

# EBU BATTERY BACKUP FOR ELECTRIC ACTUATORS



- Designed for the harshest of chemical and industrial environments.
- NEMA 4X fiberglass enclosure with locking hinged clear polycarbonate access door.
- Easy integration to virtually all electrical supply systems.
- Supports OPEN/CLOSE or PROPORTIONAL/MODULATING control.
- Indicator lights for position, selection, manual override, system status and alarm.
- Unit provides isolated power interface for total control system protection.
- Manual override control switch.
- Contact factory for multiple actuator battery backup solutions.

Price Code C

Actuator Model	Battery Backup Model No.**	List Price
EPM2-120 - EPM13-120	EBU100-120-4	\$2,463.00
EPM22-120 - EPM35-120	EBU102-120-4	\$2,814.90
EPM130-120	EBU104-120-4	\$3,254.70

Actuator Model	Battery Backup Model No.**	List Price
EPM2-120 - EPM13-120	EBU600-120P-4	\$2,510.90
EPM22-120 - EPM35-120	EBU602-120P-4	\$2,869.50
EPM130-120(P)	EBU604-120P-4	\$3,317.90

\* For EPL models, consult factory.  
\*\* 230VAC and 24VAC are available.

# LOCAL CONTROL STATIONS FOR ELECTRIC ACTUATORS



KIT-LCS-LB-120 shown

## LOCAL CONTROL STATIONS OFFERED FOR ENTIRE LINE OF EPM, EPL AND EPS ACTUATORS.

- Available in five different configurations to meet your application requirements
- Provide emergency operation of electric actuators.
- NEMA 4X rated epoxy coated steel enclosure standard.
- Optional fiberglass and stainless steel enclosures available.
- Various indicator light configurations available.
- Actuator position contacts available for remote monitoring.
- Provide dry contact status for control status monitoring.
- Allowing for direct mounting on actuator or remote wall/panel mount - specify when ordered.
- Support 120VAC, 24VAC, 12VAC, 24VDC or 12VDC systems - see table below.
- **Custom configurations available - contact factory.**

Price Code C

FOR OPEN/CLOSE CONTROL APPLICATIONS		
Part No.	Description	List Price
KIT-LCS-LA-120	Basic control, remote/off/local switch, open/stop/close switch, no lights, no additional terminals	\$378.80
KIT-LCS-LA-24A or 12A		\$378.80
KIT-LCS-LA-24D or 12D		\$378.80
KIT-LCS-LB-120	Remote/off/local switch, open/stop/close switch, open/close lights, HOT EOT outputs	\$560.10
KIT-LCS-LB-24A or 12A		\$560.10
KIT-LCS-LB-24D or 12D		\$560.10
KIT-LCS-LC-120	Remote/off/local switch, open/stop/close switch, open/close lights, HOT EOT outputs, Dry contact output for mode switch position	\$686.40
KIT-LCS-LC-24A or 12A		\$686.40
KIT-LCS-LC-24D or 12D		\$686.40

FOR PROPORTIONAL/MODULATING CONTROL APPLICATIONS		
Part No.	Description	List Price
KIT-LCS-LF	Remote/off/local switch, open/close switch, open/close/power lights, has feedback terminals. Generates 4 OR 20 mA signal TO actuator (WILL ALLOW OPEN or CLOSED OPERATION ONLY), specify 4-20mA or 2-10vdc control & feedback. Dry contact output for mode switch position. HOT EOT outputs (EPM proportional only).	\$746.80
KIT-LCS-LG		

\* For actuators with proportional control ("P" at the end of the actuator part number), add a "P" at the end of the KIT number.  
For 230 VAC applications, consult factory.  
For EPS and EPL models, consult factory.  
For 3 phase packages, consult factory.

CONTROLS

## DAB SERIES DIAPHRAGM VALVES (FLANGED)

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator. All DAB Series Diaphragm Valve actuators and options can be found on Page 28.

<b>PVC - FPM Diaphragm</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB1005FFK	\$154.70
3/4"	Flanged	HCDAB1007FFK	\$177.80
1"	Flanged	HCDAB1010FFK	\$232.90
1-1/4"	Flanged	HCDAB1012FFK	\$314.50
1-1/2"	Flanged	HCDAB1015FFK	\$314.50
<b>PVC - EPDM Diaphragm*</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB1005FEK	\$129.90
3/4"	Flanged	HCDAB1007FEK	\$149.30
1"	Flanged	HCDAB1010FEK	\$197.40
1-1/4"	Flanged	HCDAB1012FEK	\$260.90
1-1/2"	Flanged	HCDAB1015FEK	\$260.90
<b>PVC - PTFE Diaphragm*</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB1005FPK	\$193.80
3/4"	Flanged	HCDAB1007FPK	\$211.60
1"	Flanged	HCDAB1010FPK	\$313.00
1-1/4"	Flanged	HCDAB1012FPK	\$414.30
1-1/2"	Flanged	HCDAB1015FPK	\$455.10
<b>CPVC - FPM Diaphragm</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB2005FFK	\$244.00
3/4"	Flanged	HCDAB2007FFK	\$273.20
1"	Flanged	HCDAB2010FFK	\$341.50
1-1/4"	Flanged	HCDAB2012FFK	\$527.20
1-1/2"	Flanged	HCDAB2015FFK	\$527.20
<b>CPVC - EPDM Diaphragm*</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB2005FEK	\$229.50
3/4"	Flanged	HCDAB2007FEK	\$248.70
1"	Flanged	HCDAB2010FEK	\$304.90
1-1/4"	Flanged	HCDAB2012FEK	\$409.70
1-1/2"	Flanged	HCDAB2015FEK	\$426.90
<b>CPVC - PTFE Diaphragm*</b>			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB2005FPK	\$298.90
3/4"	Flanged	HCDAB2007FPK	\$330.90
1"	Flanged	HCDAB2010FPK	\$414.50
1-1/4"	Flanged	HCDAB2012FPK	\$522.00
1-1/2"	Flanged	HCDAB2015FPK	\$613.70

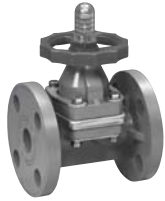
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB1020FFK	\$390.00
2-1/2"	Flanged	HCDAB1025FFK	\$543.60
3"	Flanged	HCDAB1030FFK	\$706.90
4"	Flanged	HCDAB1040FFK	\$960.30
6"	Flanged	HCDAB1060FFK	\$2,488.60
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB1020FEK	\$353.40
2-1/2"	Flanged	HCDAB1025FEK	\$489.40
3"	Flanged	HCDAB1030FEK	\$616.70
4"	Flanged	HCDAB1040FEK	\$877.40
6"	Flanged	HCDAB1060FEK	\$1,988.90
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB1020FPK	\$524.10
2-1/2"	Flanged	HCDAB1025FPK	\$789.70
3"	Flanged	HCDAB1030FPK	\$1,006.70
4"	Flanged	HCDAB1040FPK	\$1,312.30
6"	Flanged	HCDAB1060FPK	\$3,480.40
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB2020FFK	\$613.90
2-1/2"	Flanged	HCDAB2025FFK	\$895.00
3"	Flanged	HCDAB2030FFK	\$1,343.70
4"	Flanged	HCDAB2040FFK	\$1,843.60
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB2020FEK	\$478.00
2-1/2"	Flanged	HCDAB2025FEK	\$787.70
3"	Flanged	HCDAB2030FEK	\$1,036.10
4"	Flanged	HCDAB2040FEK	\$1,372.10
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
2"	Flanged	HCDAB2020FPK	\$695.00
2-1/2"	Flanged	HCDAB2025FPK	\$1,265.60
3"	Flanged	HCDAB2030FPK	\$1,548.60
4"	Flanged	HCDAB2040FPK	\$2,194.80

\* All EPDM & PTFE diaphragms are available with a PVDF vapor barrier. See Page 28.



## DAB SERIES DIAPHRAGM VALVES (FLANGED) cont.

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator. All DAB Series Diaphragm Valve actuators and options can be found on Page 28.



PP - FPM Diaphragm			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB3005FFK	\$151.80
3/4"	Flanged	HCDAB3007FFK	\$174.60
1"	Flanged	HCDAB3010FFK	\$228.60
1-1/4"	Flanged	HCDAB3012FFK	\$308.60
1-1/2"	Flanged	HCDAB3015FFK	\$308.60
2"	Flanged	HCDAB3020FFK	\$382.80
PP - EPDM Diaphragm*			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB3005FEK	\$127.50
3/4"	Flanged	HCDAB3007FEK	\$146.60
1"	Flanged	HCDAB3010FEK	\$193.80
1-1/4"	Flanged	HCDAB3012FEK	\$256.10
1-1/2"	Flanged	HCDAB3015FEK	\$256.10
2"	Flanged	HCDAB3020FEK	\$346.90
PP - PTFE Diaphragm*			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB3005FPK	\$190.30
3/4"	Flanged	HCDAB3007FPK	\$207.70
1"	Flanged	HCDAB3010FPK	\$307.20
1-1/4"	Flanged	HCDAB3012FPK	\$406.70
1-1/2"	Flanged	HCDAB3015FPK	\$446.70
2"	Flanged	HCDAB3020FPK	\$514.40
PVDF - PTFE Diaphragm*			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB5005FPK	\$362.70
3/4"	Flanged	HCDAB5007FPK	\$413.70
1"	Flanged	HCDAB5010FPK	\$604.10
1-1/2"	Flanged	HCDAB5015FPK	\$898.60
2"	Flanged	HCDAB5020FPK	\$1,131.70
PVDF/PP - PTFE Diaphragm*			
Size	End Conn.	Part No.	List Price
1/2"	Flanged	HCDAB6005FPK	\$307.30
3/4"	Flanged	HCDAB6007FPK	\$347.70
1"	Flanged	HCDAB6010FPK	\$479.70
1-1/2"	Flanged	HCDAB6015FPK	\$712.00
2"	Flanged	HCDAB6020FPK	\$906.90

Price Code C			
Size	End Conn.	Part No.	List Price
2-1/2"	Flanged	HCDAB3025FFK	\$533.60
3"	Flanged	HCDAB3030FFK	\$693.90
4"	Flanged	HCDAB3040FFK	\$942.70
6"	Flanged	HCDAB3060FFK	\$2,442.90
8"	Flanged	HCDAB3080FFK	\$4,393.20
10"	Flanged	HCDAB3100FFK	\$8,469.80
Price Code C			
Size	End Conn.	Part No.	List Price
2-1/2"	Flanged	HCDAB3025FEK	\$480.40
3"	Flanged	HCDAB3030FEK	\$605.40
4"	Flanged	HCDAB3040FEK	\$861.30
6"	Flanged	HCDAB3060FEK	\$1,952.30
8"	Flanged	HCDAB3080FEK	\$4,109.80
10"	Flanged	HCDAB3100FEK	\$7,701.80
Price Code C			
Size	End Conn.	Part No.	List Price
2-1/2"	Flanged	HCDAB3025FPK	\$775.20
3"	Flanged	HCDAB3030FPK	\$988.30
4"	Flanged	HCDAB3040FPK	\$1,288.20
6"	Flanged	HCDAB3060FPK	\$3,416.60
8"	Flanged	HCDAB3080FPK	\$5,165.50
10"	Flanged	HCDAB3100FPK	\$10,132.60
Price Code C			
Size	End Conn.	Part No.	List Price
2-1/2"	Flanged	HCDAB5025FPK	\$1,843.70
3"	Flanged	HCDAB5030FPK	\$2,323.40
4"	Flanged	HCDAB5040FPK	\$3,327.70
6"	Flanged	HCDAB5060FPK	\$8,468.90
8"	Flanged	HCDAB5080FPK	\$15,288.80
Price Code C			
Size	End Conn.	Part No.	List Price
2-1/2"	Flanged	HCDAB6025FPK	\$1,371.50
3"	Flanged	HCDAB6030FPK	\$1,873.70
4"	Flanged	HCDAB6040FPK	\$2,473.30
6"	Flanged	HCDAB6060FPK	\$6,745.10
8"	Flanged	HCDAB6080FPK	\$11,391.80

\* All EPDM & PTFE diaphragms are available with a PVDF vapor barrier. See Page 28.

## DAB SERIES DIAPHRAGM VALVES (TRUE UNION)

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator. All DAB Series Diaphragm Valve actuators and options can be found on Page 28.

<b>PVC - FPM Diaphragm - FPM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB1005UFF	\$129.90
3/4"	SkT/Thd	HCDAB1007UFF	\$145.70
1"	SkT/Thd	HCDAB1010UFF	\$182.20
<b>PVC - EPDM Diaphragm* - EPDM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB1005UEE	\$103.10
3/4"	SkT/Thd	HCDAB1007UEE	\$117.30
1"	SkT/Thd	HCDAB1010UEE	\$145.70
<b>PVC - PTFE Diaphragm* - FPM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB1005UPF	\$197.50
3/4"	SkT/Thd	HCDAB1007UPF	\$209.60
1"	SkT/Thd	HCDAB1010UPF	\$284.40
<b>CPVC - FPM Diaphragm - FPM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB2005UFF	\$249.00
3/4"	SkT/Thd	HCDAB2007UFF	\$268.50
1"	SkT/Thd	HCDAB2010UFF	\$330.90
<b>CPVC - EPDM Diaphragm* - EPDM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB2005UEE	\$190.60
3/4"	SkT/Thd	HCDAB2007UEE	\$229.50
1"	SkT/Thd	HCDAB2010UEE	\$252.80
<b>CPVC - PTFE Diaphragm* - FPM Seals</b>			
Size	End Conn.	Part No.	List Price
1/2"	SkT/Thd	HCDAB2005UPF	\$283.10
3/4"	SkT/Thd	HCDAB2007UPF	\$301.20
1"	SkT/Thd	HCDAB2010UPF	\$360.90

<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB1012UFF	\$279.10
1-1/2"	SkT/Thd	HCDAB1015UFF	\$279.10
2"	SkT/Thd	HCDAB1020UFF	\$330.70
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB1012UEE	\$224.00
1-1/2"	SkT/Thd	HCDAB1015UEE	\$224.00
2"	SkT/Thd	HCDAB1020UEE	\$264.80
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB1012UPF	\$414.30
1-1/2"	SkT/Thd	HCDAB1015UPF	\$429.00
2"	SkT/Thd	HCDAB1020UPF	\$509.40
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB2012UFF	\$478.70
1-1/2"	SkT/Thd	HCDAB2015UFF	\$478.70
2"	SkT/Thd	HCDAB2020UFF	\$520.00
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB2012UEE	\$405.90
1-1/2"	SkT/Thd	HCDAB2015UEE	\$405.90
2"	SkT/Thd	HCDAB2020UEE	\$468.00
<b>Price Code C</b>			
Size	End Conn.	Part No.	List Price
1-1/4"	SkT/Thd	HCDAB2012UPF	\$568.20
1-1/2"	SkT/Thd	HCDAB2015UPF	\$573.10
2"	SkT/Thd	HCDAB2020UPF	\$595.00

\* All EPDM & PTFE diaphragms are available with a PVDF vapor barrier. See Page 28.

## DAB SERIES DIAPHRAGM VALVES (TRUE UNION) cont.



All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

All DAB Series Diaphragm Valve actuators and options can be found on Page 28.

### PP - FPM Diaphragm - FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Threaded	HCDAB3005UFF	\$127.50
3/4"	Threaded	HCDAB3007UFF	\$143.10
1"	Threaded	HCDAB3010UFF	\$178.90

### PP - EPDM Diaphragm\* - EPDM Seals

Size	End Conn.	Part No.	List Price
1/2"	Threaded	HCDAB3005UEE	\$101.20
3/4"	Threaded	HCDAB3007UEE	\$115.10
1"	Threaded	HCDAB3010UEE	\$143.10

### PP - PTFE Diaphragm\* - FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Threaded	HCDAB3005UPF	\$184.30
3/4"	Threaded	HCDAB3007UPF	\$191.50
1"	Threaded	HCDAB3010UPF	\$279.90

### PVDF - PTFE Diaphragm\* - FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Threaded	HCDAB5005UPF	\$361.30
3/4"	Threaded	HCDAB5007UPF	\$413.00
1"	Threaded	HCDAB5010UPF	\$603.00

### PVDF/PP - PTFE Diaphragm\* - FPM Seals

Size	End Conn.	Part No.	List Price
1/2"	Threaded	HCDAB6005UPF	\$301.40
3/4"	Threaded	HCDAB6007UPF	\$346.30
1"	Threaded	HCDAB6010UPF	\$478.20

### Price Code C

Size	End Conn.	Part No.	List Price
1-1/4"	Threaded	HCDAB3012UFF	\$274.00
1-1/2"	Threaded	HCDAB3015UFF	\$274.00
2"	Threaded	HCDAB3020UFF	\$324.60

### Price Code C

Size	End Conn.	Part No.	List Price
1-1/4"	Threaded	HCDAB3012UEE	\$219.90
1-1/2"	Threaded	HCDAB3015UEE	\$219.90
2"	Threaded	HCDAB3020UEE	\$260.00

### Price Code C

Size	End Conn.	Part No.	List Price
1-1/4"	Threaded	HCDAB3012UPF	\$385.20
1-1/2"	Threaded	HCDAB3015UPF	\$409.10
2"	Threaded	HCDAB3020UPF	\$466.60

### Price Code C

Size	End Conn.	Part No.	List Price
1-1/4"	Threaded	HCDAB5012UPF	\$893.30
1-1/2"	Threaded	HCDAB5015UPF	\$893.30
2"	Threaded	HCDAB5020UPF	\$1,127.20

### Price Code C

Size	End Conn.	Part No.	List Price
1-1/4"	Threaded	HCDAB6012UPF	\$712.00
1-1/2"	Threaded	HCDAB6015UPF	\$712.00
2"	Threaded	HCDAB6020UPF	\$911.30

\* All EPDM & PTFE diaphragms are available with a PVDF vapor barrier. See Page 28.

# PNEUMATIC ACTUATORS FOR DIAPHRAGM VALVES

Actuators are Air to Spring, normally closed, or Air to Air. Prices include Actuator and mounting kit only. Valve cost is separate line item.

## Price Code C

Air to Spring Actuation		
Size	Part No.	List Price
1/2"	PSA005	\$489.40
3/4"	PSA007	\$513.50
1"	PSA010	\$591.40
1-1/4"	PSA012	\$769.40
1-1/2"	PSA015	\$769.40
2"	PSA020	\$1,064.40
2-1/2"	PSA025	\$1,203.60
3"	PSA030	\$1,278.10
4"	PSA040	\$1,513.10

## Price Code C

Air to Air Actuation		
Size	Part No.	List Price
1/2"	PDA005	\$376.40
3/4"	PDA007	\$395.00
1"	PDA010	\$454.90
1-1/4"	PDA012	\$591.90
1-1/2"	PDA015	\$591.90
2"	PDA020	\$818.70
2-1/2"	PDA025	\$925.90
3"	PDA030	\$983.10
4"	PDA040	\$1,163.90

## Price Code C

Pneumatic Options		
Item	Suffix	List Price
Limit Switch - Mechanical	S2 (1-1/2" Only)	\$623.90
Max Stroke Limiter	L1	STD
Solenoid Valve	A8 (A/A)	\$451.10
Solenoid Valve	A9 (A/S)	\$451.10

## Price Code C

PVDF Vapor Barrier Adder - Suffix A			
Size	List Price	Size	List Price
1/2"	\$30.50	3"	\$194.40
3/4"	\$34.80	4"	\$277.00
1"	\$50.80	5"	\$461.90
1-1/4" - 1-1/2"	\$75.40	6"	\$706.70
2"	\$95.10	8"	N/A
2-1/2"	\$153.40	10"	N/A

N/A = Feature Not Applicable.

# EPL SERIES ELECTRIC ACTUATORS FOR DIAPHRAGM VALVES

Price is for actuator only; add the cost of the valve and any required options.

**EPL Series:** Heavy duty linear, non-spring return actuator for all applications. Four different output forces, standard 120 VAC, dual auxiliary limit switches, heater, manual override, and position indicator standard. Powder coated aluminum alloy housing, NEMA 4/4X. Standard unit is On/Off.



## Price Code C

Valve Size	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" - 1-1/4"	EPL550	\$2,509.00	N/A	N/A	N/A	N/A
1-1/2"	EPL550	\$2,509.00	EPL1100	\$3,005.70	N/A	N/A
2"	EPL550	\$2,509.00	EPL1100	\$3,005.70	EPL2200	\$6,308.90
2-1/2"	EPL1100	\$3,005.70	EPL2200	\$6,308.90	EPL4400	\$7,248.50
3"	EPL2200	\$6,308.90	EPL4400	\$7,248.50	N/A	N/A
4"	EPL2200	\$6,308.90	EPL4400	\$7,248.50	N/A	N/A
6" - 8"	EPL2200	\$6,308.90	EPL4400	\$7,248.50	N/A	N/A

## Price Code C

Options and Accessories Add to price of actuator		
Option	Suffix No.	All Models
Proportional Control*	P	\$1,462.20

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard on actuator.

\* Extended duty motor standard.

# REPLACEMENT PARTS PRICE LIST FOR AUTOMATED VALVES

Price Code C

<b>COUPLINGS</b>	<b>List Price</b>
For True Union and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Actuator Model Number	<b>\$48.20 each</b>
For True Union and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Actuator Model Number	<b>\$59.10 each</b>
For Butterfly Valves, Sizes 1-1/2" - 8" Specify Valve Size and Actuator Model Number	<b>\$86.40 each</b>
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Actuator Model Number	<b>POA</b>
<b>MOUNTING KITS (Coupling, Bracket &amp; Hardware)*</b>	<b>List Price</b>
For True Union and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Actuator Model Number	<b>\$109.20 each</b>
For True Union and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Actuator Model Number	<b>\$151.10 each</b>
For Butterfly Valves, Sizes 1-1/2" - 8" Specify Valve Size and Actuator Model Number	<b>\$189.20 each</b>
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Actuator Model Number	<b>POA</b>
<b>QUICK DISCONNECT FITTINGS FOR POLY TUBING</b>	<b>List Price</b>
Specify NPT Size 10-32SPT • 1/8" NPT • 1/4" NPT and Outside Diameter of Poly Tubing	<b>\$13.80 each</b>
<b>POLY TUBING</b>	<b>List Price</b>
Specify Outside Diameter - 5/32" or 1/4" and Length Required	<b>\$2.50 per foot</b>

\* Consult Hayward for LA Series Lateral 3-Way valve kits & couplings.  
POA = Priced on Availability. Consult factory for pricing and availability.