



Actuated Valves Product
Electric & Pneumatic Actuated Valves

Electric & Pneumatic Actuated Valves



PRODUCT

Contact Spears® for any Information not found.

Actuated Valves Product
Electric & Pneumatic Actuated Valves Overview



Spears® Makes Valve Actuation Simple. . .

Sold in Pre-Matched Valve & Actuator Packages

Spears® makes actuation easy by matching each valve type and size with the appropriate actuator for proper operating torque and cycle time to assure optimum performance.

Accessory Add-ons Provide Custom Actuation Configurations

Spears® Premium Actuation Packages can be fully customized to user specifications by addition of selected control accessories purchased separately. Select from our wide variety of accessories and options or contact Spears® for virtually any special actuation need, even if not specified.

Complete Packages Factory Assembled - Ready for Installation

All actuation packages include valve, actuator mounting, coupling, and precision actuator factory assembled with any purchased accessories, ready for installation.

Easy Steps to Locate Desired Product

This catalog provides both Spears® economical Electro Series Actuated Ball Valves and Spears® full featured Premium Electric and Premium Pneumatic actuated valve packages with optional accessories. Actuated valve packages are listed in separate sections by valve type (ball, butterfly, diaphragm) and actuation type (electric, pneumatic). Optional accessories are listed and priced separately for assembly with the desired package. A complete listing of content is located at the end of this catalog. See Spears® Actuated Thermoplastic Valves Product Guide & Engineering Specification, for additional technical information on valve packages and accessories.

Step 1: Select and Locate Desired Actuated Valve Type

Section I: Ball Valves
Section II: Butterfly Valves
Section III: Diaphragm Valves

Step 2: Select and Locate Desired Actuation Type within Valve Section

Electric Actuated
Pneumatic Actuated

Step 3: Select and Locate Desired Material Type Table

PVC
CPVC
Polypropylene

Step 4: Select and Locate Specific Part Number According to Listed Options

Individual tables for actuated valve packages are organized by valve Size, Elastomer type (O-ring, seat, etc.), and valve configuration options such as End Connector (Joint) or other specified criteria. Product Code is located in the far right column.

Step 5: Select and Locate Desired Accessories (see important ordering information below)

Electric Actuator Accessories
Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves
Pneumatic Actuator Accessories for Diaphragm Valves





**Ordering Premium Valve Packages with Accessory Add-ons
- IMPORTANT -**

Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. When Accessories are ordered for assembly with an actuated valve package, the suffix "-A" must be added to the actuated valve package part number being ordered. Do not add this suffix if no accessories are being ordered or if ordering Electro Series Ball Valves. Example: Package part number 21101A112-005 would be ordered as 21101A112-005-A REQUIRED ORDER SEQUENCE: Order line items should begin with the actuated valve package part number (with -A suffix) and be immediately followed by the selected accessory part number(s) as the next line item(s). This sequential listing of valve package and applicable accessories on the order assures that selected accessories are properly assembled with the selected package. Failure to follow this simple practice may result in unnecessary delays.



Actuated Valves Product
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Actuated Valve Packages Overview

Typical Package Illustration	Valve Type	Basic Valve Options				Actuation Package Available		
		Basic Valve Material	Size Range (inch)	Seal Material Options	End Connector Options	Premium Electric Actuation	Premium Pneumatic Actuation	Electro Series Actuation
	True Union 2000 Ball Valves	PVC	1/2 - 6	EPDM FKM	Socket SR Thread Flanged	X	X	X 1/2" - 2"
		CPVC	1/2 - 6	EPDM FKM	Socket SR Thread Flanged	X	X	X 1/2" - 2"
	Compact 2000 Ball Valves	PVC	1/2 - 6	EPDM FKM	Socket Thread Flanged	X	X	X 1/2" - 2"
		CPVC	1/2 - 6	EPDM FKM	Socket Thread Flanged	X	X	X 1/2" - 2"
	Butterfly Valves	PVC	1-1/2 - 12	Buna-N EPDM FKM	Flanged	X	X	
		CPVC	1-1/2 - 12	Buna-N EPDM FKM	Flanged	X	X	
		PP	1-1/2 - 24 ¹	EPDM FKM	Flanged	X	X	
	Diaphragm Valves	PVC	1/2 - 4 ²	Buna-N EPDM FKM PTFE	Socket ³ Thread ³ Spigot ⁴ Flanged	X	X	
		CPVC	1/2 - 4 ²	Buna-N EPDM FKM PTFE	Socket Thread Spigot Flanged	X	X	
		PP	1/2 - 4 ²	EPDM FKM	Thread Flanged	X	X	

Notes: 1. Butterfly Valves also available in sizes 30" - 60", quoted and produced to order. Contact Spears®.
 3 - 1/2" - 2" Socket and Thread Diaphragm Valves are True Union style.

2. 2-1/2" to 4" Diaphragm Valves available in Flanged ends only.
 4. Spigot Diaphragm Valves available in sizes 1/2" - 2" only.

Actuated Valves Product
Electric & Pneumatic Actuated Valves Overview



The following table illustrates actuator features for Premium Electric actuators used in Actuated Valve Packages. Features specified as "Standard" are available on packages in this sheet. Features specified as "Accessory" are included as package add-ons in this sheet. Features specified as "Optional" must be special ordered (contact Spears® for MSRP).

Electric Actuator Features Overview

Standard 2-Position Electric Actuator Features	Electro Series Ball Valves	Premium Electric TU Ball Valves	Premium Electric Butterfly Valves	Premium Electric Diaphragm Valves
Motor Rotation	Unidirectional	Reversing	Reversing	Reversing
NEMA Rating	4X	4	4	4
Enclosure Material	PP	Powder Coated Aluminum	Powder Coated Aluminum	Powder Coated Aluminum
Enclosure Conduit Entry	1/2 NPT	1/2 NPT (1/2" – 3") 3/4 NPT (4" – 6")	1/2 NPT (1-1/2" – 4") or 3/4 (4" – 12")	1/2 NPT
Voltage	115 VAC	115 VAC	115 VAC	115 VAC
Pre Wired to terminal strip	Wired Direct	Standard	Standard	Standard
Thermal Overload Protection	Wired Direct	Standard	Standard	Standard
Basic Manual Override	—	Standard (1/2" – 3")	Standard (1-1/2" – 4")	Optional
Declutchable Manual Override	—	Standard (4" – 6")	Standard (6" – 12")	Standard (2" – 4")
Limit Switches (SPDT)	1	4 (2 sets of 2 ea)	4 (2 sets of 2 ea)	2 (1 set of 2 ea)
Mounting Position	Any	Any	Any	Any
Permanent Lubrication	Standard	Standard	Standard	Standard
Options & Accessories				
Feedback Potentiometer	—	Accessory	Accessory	Accessory
24 VAC	Optional	Optional	Optional	Optional
230 VAC	Optional	Optional	Optional	Optional
230 VAC 3-phase, 60 Hz	—	Optional	Optional	Optional
230 VAC 3-phase, 50 Hz	—	Optional	Optional	Optional
460 VAC 3-phase, 60 Hz	—	Optional	Optional	—
460 VAC 3-phase, 50 Hz	—	Optional	Optional	—
12 VDC	Optional	Optional	Optional	Optional
24 VDC	Optional	Optional	Optional	Optional
NEMA 4X, 7, 9 Rating	(4X Standard)	Optional	Optional	Optional
Basic Manual Override	—	Standard (1/2" – 3")	Standard (1-1/2" – 4")	Optional
Declutchable Manual Override	—	Optional (Standard 4" – 6")	Optional (Standard 6" – 12")	Optional
Duty Cycle Upgrade	Optional	—	—	Optional
Spring Return (Fail Safe)	—	Optional	Optional	—
Positioner Board (Modulating)	—	Accessory	Accessory	Accessory
Additional Limit Switch Sets	—	Accessory	Accessory	Accessory
LED Indicator Lights	—	Accessory	Accessory	Accessory
Position Indicator (visual)	Standard	Standard	Standard	—
Heater	—	Standard	Standard	Accessory
Thermostat	—	Accessory	Accessory	Accessory



Actuated Valves Product
Electric & Pneumatic Actuated Valves Overview

The following table illustrates actuator features for Premium Pneumatic actuators used in Actuated Valve Packages. Features specified as "Standard" are available on packages in this sheet. Features specified as "Accessory" are included as package add-ons in this sheet. Features specified as "Options" must be special ordered (contact Spears® for MSRP).

Please contact Spears® for any desired features or accessories not specified.

Pneumatic Actuator Features Overview

Standard Pneumatic Actuator Features	Premium Pneumatic TU Ball Valves	Premium Pneumatic Butterfly Valves	Premium Pneumatic Diaphragm Valves
Type	Dual Piston, Rack & Pinion	Dual Piston, Rack & Pinion	Linear Piston
Enclosure Material (ends/body)	Epoxy Coated/Hard Anodized Aluminum	Epoxy Coated/Hard Anodized Aluminum	PES-Polyestersulphone PP-Polypropylene
Standard Operation	Air-to-Air or Air-Spring Closed	Air-to-Air or Air-Spring Closed	Air-to-Air or Air-Spring Closed/Open
Standard Operating Pressure	80 psi	80 psi	80 psi
Air Connection Size	1/8"	1/8"	1/8"
Basic Manual Override	Standard	Standard	(Option)
Options & Accessories			
Air-Spring Open	Option	Option	Option
40 psi Operating Pressure	Option	Option	—
60 psi Operating Pressure	Option	Option	Option
Basic Manual Override	(Standard)	(Standard)	Option
Declutchable Manual Override	Option	Option	—
Pneumatic Positioner	Accessory	Accessory	Accessory
Electro-Pneumatic Positioner	Accessory	Accessory	Accessory
Dome Position Indicator	Accessory	Accessory	Accessory
Pointer Indicator	Accessory	Accessory	—
3 & 4-Way Solenoid Valve	Accessory	Accessory	Accessory
Dual Power Solenoid Valve	Accessory	Accessory	—
Limit Switches	Accessory	Accessory	Accessory
Output Signal Limit Switches	Accessory	Accessory	—
3-Way "Dribble" Control Limit Switches	Accessory	Accessory	—
Stainless Steel Pressure Gauge Set	Accessory	Accessory	Accessory
Stem Extension	Accessory	Accessory	Accessory
ID Tag-SS	Accessory	Accessory	Accessory



Additional Actuated Valve Configurations, Options & Accessories Not Specified

Spears® can provide virtually any actuation need for Spears® valves. The following actuated valve configurations, options and accessories not currently specified in this sheet are a few of those available on a special order basis. See the *Accessories* sections for standard configuration and accessory options. Please contact Spears® for additional technical information or other custom actuation needs. Certain special order options and custom Actuation Packages may require extended lead times. Please contact Spears® for details.

Special Actuated Ball Valves

- Compact Ball Valves
- Single Entry Ball Valves
- True Union 2000 3-Way Vertical & Horizontal Ball Valves
- Vented Ball Valves

Special Actuated Butterfly Valves

- Tandem 3-Way - two valves operated from one actuator, both closing or both opening at the same time
- Tandem Diverting - two valves operated from one actuator, one opening while the other closes
- "No Seat" actuated Butterfly Valves for duct (damper) applications
- Polypropylene 30" to 60" Actuated Valves (custom produced)

Actuated Gate Valves

- PVC & CPVC Construction
- Sizes 1/2" – 4"
- Socket, Thread, Flange End Connections

Special Actuator Options

- Actuators Only
- Actuator Brackets Only
- Actuator Stem Extensions
- Double Powder Coated Electric Enclosures
- Stainless Steel Pneumatic Enclosures
- Electric Spring Return Open or Close with No Override
- Battery Back-up Electric Actuators

Special Switch Sets & Solenoids

- Single Limit Switch & Bracket Only (no actuator) for manual valves
- Double Limit Switch & Bracket Only (no actuator) for manual valves
- Dual Coil 5-Way Solenoid Valves

Replacement Parts Many replacement parts are available for Spears® electric and pneumatic actuators and valves. Contact Spears® for specific parts needed.



Actuated Valves Product

Electro Actuated Compact 2000 Ball Valve & Electro Actuated True Union 2000 Standard Ball Valve



General purpose industrial grade sealed unit design, 1/4-turn shutoff. Basic On-Off operation.

- Maintenance-free
- PTFE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated Compact 2000 Ball Valve

O-ring Joint	EPDM			FKM			Prod Code
	Socket	Thread	Flanged	Socket	Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1404-005* CALL	E1406-005* CALL	E1408-005* CALL	E1405-005* CALL	E1407-005* CALL	E1409-005* CALL	496
3/4	E1404-007* CALL	E1406-007* CALL	E1408-007* CALL	E1405-007* CALL	E1407-007* CALL	E1409-007* CALL	496
1	E1404-010* CALL	E1406-010* CALL	E1408-010* CALL	E1405-010* CALL	E1407-010* CALL	E1409-010* CALL	496
1-1/4	E1504-012* CALL	E1506-012* CALL	E1508-012* CALL	E1505-012* CALL	E1507-012* CALL	E1509-012* CALL	496
1-1/2	E1504-015* CALL	E1506-015* CALL	E1508-015* CALL	E1505-015* CALL	E1507-015* CALL	E1509-015* CALL	496
2	E1504-020* CALL	E1506-020* CALL	E1508-020* CALL	E1505-020* CALL	E1507-020* CALL	E1509-020* CALL	496

CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket	Thread	Flanged	Socket	Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1404-005C* CALL	E1406-005C* CALL	E1408-005C* CALL	E1405-005C* CALL	E1407-005C* CALL	E1409-005C* CALL	498
3/4	E1404-007C* CALL	E1406-007C* CALL	E1408-007C* CALL	E1405-007C* CALL	E1407-007C* CALL	E1409-007C* CALL	498
1	E1404-010C* CALL	E1406-010C* CALL	E1408-010C* CALL	E1405-010C* CALL	E1407-010C* CALL	E1409-010C* CALL	498
1-1/4	E1504-012C* CALL	E1506-012C* CALL	E1508-012C* CALL	E1505-012C* CALL	E1507-012C* CALL	E1509-012C* CALL	498
1-1/2	E1504-015C* CALL	E1506-015C* CALL	E1508-015C* CALL	E1505-015C* CALL	E1507-015C* CALL	E1509-015C* CALL	498
2	E1504-020C* CALL	E1506-020C* CALL	E1508-020C* CALL	E1505-020C* CALL	E1507-020C* CALL	E1509-020C* CALL	498



General Purpose True Union design, 1/4-turn shutoff. Basic On-Off operation.

- Blocked Seal Carrier
- PTFE/HDPE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated True Union 2000 Standard Ball Valve

O-ring Joint	EPDM			FKM			Prod Code
	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1453-005* CALL	E1451-005SR* CALL	E1457-005* CALL	E1454-005* CALL	E1452-005SR* CALL	E1458-005* CALL	500
3/4	E1453-007* CALL	E1451-007SR* CALL	E1457-007* CALL	E1454-007* CALL	E1452-007SR* CALL	E1458-007* CALL	500

Electro Actuated True Union 2000 Standard Ball Valve & Electro Actuated True Union 2000 Industrial Ball Valve



PVC Electro Actuated True Union 2000 Standard Ball Valve (continued)

O-ring Joint	EPDM			FKM			Prod Code
	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1	E1453-010* CALL	E1451-010SR* CALL	E1457-010* CALL	E1454-010* CALL	E1452-010SR* CALL	E1458-010* CALL	500
1-1/4	E1553-012* CALL	E1551-012SR* CALL	E1557-012* CALL	E1554-012* CALL	E1552-012SR* CALL	E1558-012* CALL	500
1-1/2	E1553-015* CALL	E1551-015SR* CALL	E1557-015* CALL	E1554-015* CALL	E1552-015SR* CALL	E1558-015* CALL	500
2	E1553-020* CALL	E1551-020SR* CALL	E1557-020* CALL	E1554-020* CALL	E1552-020SR* CALL	E1558-020* CALL	500

CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1453-005C* CALL	E1451-005CSR* CALL	E1457-005C* CALL	E1454-005C* CALL	E1452-005CSR* CALL	E1458-005C* CALL	502
3/4	E1453-007C* CALL	E1451-007CSR* CALL	E1457-007C* CALL	E1454-007C* CALL	E1452-007CSR* CALL	E1458-007C* CALL	502
1	E1455-010C* CALL	E1451-010CSR* CALL	E1457-010C* CALL	E1454-010C* CALL	E1452-010CSR* CALL	E1458-010C* CALL	502
1-1/4	E1555-012C* CALL	E1551-012CSR* CALL	E1557-012C* CALL	E1554-012C* CALL	E1552-012CSR* CALL	E1558-012C* CALL	502
1-1/2	E1555-015C* CALL	E1551-015CSR* CALL	E1557-015C* CALL	E1554-015C* CALL	E1552-015CSR* CALL	E1558-015C* CALL	502
2	E1555-020C* CALL	E1551-020CSR* CALL	E1557-020C* CALL	E1554-020C* CALL	E1552-020CSR* CALL	E1558-020C* CALL	502



Industrial grade True Union design, 1/4-turn shutoff. Basic On-Off operation.

- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated True Union 2000 Industrial Ball Valve

O-ring Joint	EPDM			FKM			Prod Code
	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1459-005* CALL	E1463-005SR* CALL	E1465-005* CALL	E1460-005* CALL	E1464-005SR* CALL	E1466-005* CALL	500
3/4	E1459-007* CALL	E1463-007SR* CALL	E1465-007* CALL	E1460-007* CALL	E1464-007SR* CALL	E1466-007* CALL	500
1	E1459-010* CALL	E1463-010SR* CALL	E1465-010* CALL	E1460-010* CALL	E1464-010SR* CALL	E1466-010* CALL	500
1-1/4	E1559-012* CALL	E1563-012SR* CALL	E1565-012* CALL	E1560-012* CALL	E1564-012SR* CALL	E1566-012* CALL	500
1-1/2	E1559-015* CALL	E1563-015SR* CALL	E1565-015* CALL	E1560-015* CALL	E1564-015SR* CALL	E1566-015* CALL	500
2	E1559-020* CALL	E1563-020SR* CALL	E1565-020* CALL	E1560-020* CALL	E1564-020SR* CALL	E1566-020* CALL	500



Actuated Valves Product
Electro Actuated True Union 2000 Industrial Ball Valve & Premium Actuated True Union 2000 Industrial Ball Valve - Electric

CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	E1459-005C* CALL	E1463-005CSR* CALL	E1465-005C* CALL	E1460-005C* CALL	E1464-005CSR* CALL	E1466-005C* CALL	502
3/4	E1459-007C* CALL	E1463-007CSR* CALL	E1465-007C* CALL	E1460-007C* CALL	E1464-007CSR* CALL	E1466-007C* CALL	502
1	E1459-010C* CALL	E1463-010CSR* CALL	E1465-010C* CALL	E1460-010C* CALL	E1464-010CSR* CALL	E1466-010C* CALL	502
1-1/4	E1559-012C* CALL	E1563-012CSR* CALL	E1565-012C* CALL	E1560-012C* CALL	E1564-012CSR* CALL	E1566-012C* CALL	502
1-1/2	E1559-015C* CALL	E1563-015CSR* CALL	E1565-015C* CALL	E1560-015C* CALL	E1564-015CSR* CALL	E1566-015C* CALL	502
2	E1559-020C* CALL	E1563-020CSR* CALL	E1565-020C* CALL	E1560-020C* CALL	E1564-020CSR* CALL	E1566-020C* CALL	502

Industrial grade True Union design, 1/4-turn shutoff for a wide range of applications. Full-featured actuator can be custom configured with add-on accessories. Use part numbers on following page and see **Electric Actuator Accessories for Ball Valves**.



- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 1/2" - 4" 235 psi @ 73°F (23°C)
- 6" and all flanged 150 psi @ 73°F (23°C)
- 115 VAC standard, optional voltages available
- Illuminated Position Indicator
- Heater
- 2-Position Operation with 2-SPDT Limit Switches
- Additional set dry contacts SPDT limit Switches
- NEMA 4 Enclosure, Powder Coated
- Declutchable Manual Override 4" through 6"
- Basic Manual Override 1/2" through 3" (Declutchable Available)

PVC Premium Actuated True Union 2000 Industrial Ball Valve - Electric

O-ring Joint	EPDM			FKM			Prod Code
	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	2110A112-005* CALL	2310A112-005* CALL	2410A112-005* CALL	2120A112-005* CALL	2320A112-005* CALL	2420A112-005* CALL	500
3/4	2110A112-007* CALL	2310A112-007* CALL	2410A112-007* CALL	2120A112-007* CALL	2320A112-007* CALL	2420A112-007* CALL	500
1	2110A112-010* CALL	2310A112-010* CALL	2410A112-010* CALL	2120A112-010* CALL	2320A112-010* CALL	2420A112-010* CALL	500
1-1/4	2110A112-012* CALL	2310A112-012* CALL	2410A112-012* CALL	2120A112-012* CALL	2320A112-012* CALL	2420A112-012* CALL	500
1-1/2	2110A112-015* CALL	2310A112-015* CALL	2410A112-015* CALL	2120A112-015* CALL	2320A112-015* CALL	2420A112-015* CALL	500
2	2110A112-020* CALL	2310A112-020* CALL	2410A112-020* CALL	2120A112-020* CALL	2320A112-020* CALL	2420A112-020* CALL	500
2-1/2	2110A112-025* CALL	2310A112-025* CALL	2410A112-025* CALL	2120A112-025* CALL	2320A112-025* CALL	2420A112-025* CALL	500
3	2110A112-030* CALL	2310A112-030* CALL	2410A112-030* CALL	2120A112-030* CALL	2320A112-030* CALL	2420A112-030* CALL	500
4	2110A123-040* CALL	2310A123-040* CALL	2410A123-040* CALL	2120A123-040* CALL	2320A123-040* CALL	2420A123-040* CALL	500
6	2110A126-060* CALL	2310A126-060* CALL	2410A126-060* CALL	2120A126-060* CALL	2320A126-060* CALL	2420A126-060* CALL	500

Premium Actuated True Union 2000 Industrial Ball Valve - Electric & Electric Actuated True Union 2000 Industrial Ball Valve With Accessories



CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	21102A112-005* CALL	23102A112-005* CALL	24102A112-005* CALL	21202A112-005* CALL	23202A112-005* CALL	24202A112-005* CALL	502
3/4	21102A112-007* CALL	23102A112-007* CALL	24102A112-007* CALL	21202A112-007* CALL	23202A112-007* CALL	24202A112-007* CALL	502
1	21102A112-010* CALL	23102A112-010* CALL	24102A112-010* CALL	21202A112-010* CALL	23202A112-010* CALL	24202A112-010* CALL	502
1-1/4	21102A112-012* CALL	23102A112-012* CALL	24102A112-012* CALL	21202A112-012* CALL	23202A112-012* CALL	24202A112-012* CALL	502
1-1/2	21102A112-015* CALL	23102A112-015* CALL	24102A112-015* CALL	21202A112-015* CALL	23202A112-015* CALL	24202A112-015* CALL	502
2	21102A112-020* CALL	23102A112-020* CALL	24102A112-020* CALL	21202A112-020* CALL	23202A112-020* CALL	24202A112-020* CALL	502
2-1/2	21102A112-025* CALL	23102A112-025* CALL	24102A112-025* CALL	21202A112-025* CALL	23202A112-025* CALL	24202A112-025* CALL	502
3	21102A112-030* CALL	23102A112-030* CALL	24102A112-030* CALL	21202A112-030* CALL	23202A112-030* CALL	24202A112-030* CALL	502
4	21102A123-040* CALL	23102A123-040* CALL	24102A123-040* CALL	21202A123-040* CALL	23202A123-040* CALL	24202A123-040* CALL	502
6	21102A126-060* CALL	23102A126-060* CALL	24102A126-060* CALL	21202A126-060* CALL	23202A126-060* CALL	24202A126-060* CALL	502

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.



For valves with add-on accessories:

When ordered separately, see Electric Actuator Accessories for Ball valves. Valves and Add-on Electric Actuator Accessories are ordered separately. When ordering True Union 2000 Industrial Ball Valves with additional. Add-on Electric Actuator Accessories, use the following Valve Part Numbers to properly accommodate the selected accessories.

PVC Premium Actuated True Union 2000 Industrial Ball Valve

O-ring Joint	EPDM			FKM			Prod Code
	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2	21101A1129-005A* CALL	23101A1129-005A* CALL	24101A1129-005A* CALL	21201A1129-005A* CALL	23201A1129-005A* CALL	24201A1129-005A* CALL	500
3/4	21101A1129-007A* CALL	23101A1129-007A* CALL	24101A1129-007A* CALL	21201A1129-007A* CALL	23201A1129-007A* CALL	24201A1129-007A* CALL	500
1	21101A1129-010A* CALL	23101A1129-010A* CALL	24101A1129-010A* CALL	21201A1129-010A* CALL	23201A1129-010A* CALL	24201A1129-010A* CALL	500
1-1/4	21101A1129-012A* CALL	23101A1129-012A* CALL	24101A1129-012A* CALL	21201A1129-012A* CALL	23201A1129-012A* CALL	24201A1129-012A* CALL	500
1-1/2	21101A1129-015A* CALL	23101A1129-015A* CALL	24101A1129-015A* CALL	21201A1129-015A* CALL	23201A1129-015A* CALL	24201A1129-015A* CALL	500
2	21101A1129-020A* CALL	23101A1129-020A* CALL	24101A1129-020A* CALL	21201A1129-020A* CALL	23201A1129-020A* CALL	24201A1129-020A* CALL	500
2-1/2	21101A112-025-A* CALL	23101A112-025-A* CALL	24101A112-025-A* CALL	21201A112-025-A* CALL	23201A112-025-A* CALL	24201A112-025-A* CALL	500
3	21101A112-030-A* CALL	23101A112-030-A* CALL	24101A112-030-A* CALL	21201A112-030-A* CALL	23201A112-030-A* CALL	24201A112-030-A* CALL	500
4	21101A123-040-A* CALL	23101A123-040-A* CALL	24101A123-040-A* CALL	21201A123-040-A* CALL	23201A123-040-A* CALL	24201A123-040-A* CALL	500
6	21101A126-060-A* CALL	23101A126-060-A* CALL	24101A126-060-A* CALL	21201A126-060-A* CALL	23201A126-060-A* CALL	24201A126-060-A* CALL	500



Actuated Valves Product

Electric Actuated True Union 2000 Industrial Ball Valve With Accessories

CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket Part # MSRP	SR Thread Part # MSRP	Flanged Part # MSRP	Socket Part # MSRP	SR Thread Part # MSRP	Flanged Part # MSRP	
1/2	21102A1129-005A* CALL	23102A1129-005A* CALL	24102A1129-005A* CALL	21202A1129-005A* CALL	23202A1129-005A* CALL	24202A1129-005A* CALL	502
3/4	21102A1129-007A* CALL	23102A1129-007A* CALL	24102A1129-007A* CALL	21202A1129-007A* CALL	23202A1129-007A* CALL	24202A1129-007A* CALL	502
1	21102A1129-010A* CALL	23102A1129-010A* CALL	24102A1129-010A* CALL	21202A1129-010A* CALL	23202A1129-010A* CALL	24202A1129-010A* CALL	502
1-1/4	21102A1129-012A* CALL	23102A1129-012A* CALL	24102A1129-012A* CALL	21202A1129-012A* CALL	23202A1129-012A* CALL	24202A1129-012A* CALL	502
1-1/2	21102A1129-015A* CALL	23102A1129-015A* CALL	24102A1129-015A* CALL	21202A1129-015A* CALL	23202A1129-015A* CALL	24202A1129-015A* CALL	502
2	21102A1129-020A* CALL	23102A1129-020A* CALL	24102A1129-020A* CALL	21202A1129-020A* CALL	23202A1129-020A* CALL	24202A1129-020A* CALL	502
2-1/2	21102A112-025-A* CALL	23102A112-025-A* CALL	24102A112-025-A* CALL	21202A112-025-A* CALL	23202A112-025-A* CALL	24202A112-025-A* CALL	502
3	21102A112-030-A* CALL	23102A112-030-A* CALL	24102A112-030-A* CALL	21202A112-030-A* CALL	23202A112-030-A* CALL	24202A112-030-A* CALL	502
4	21102A123-040-A* CALL	23102A123-040-A* CALL	24102A123-040-A* CALL	21202A123-040-A* CALL	23202A123-040-A* CALL	24202A123-040-A* CALL	502
6	21102A126-060-A* CALL	23102A126-060-A* CALL	24102A126-060-A* CALL	21202A126-060-A* CALL	23202A126-060-A* CALL	24202A126-060-A* CALL	502

Premium Actuated True Union 2000 Industrial Ball Valve - Electric



Accessory	Description	Accessory Part Number	Prod Code	MSRP
Digital Modulating Board 0-10V/0-5V/1-5V/4-20mA (Specify setting at time of order)	120 VAC DIG HI RES POSITIONING CARD ONLY	A-PB01-AA-CD-RF	298	1561.22
Digital Potentiometer	FEEDBACK POT 360° CONTINUOUS	A-PO45-00-00-RH	298	197.23
Digital Transmitter	4-20MA TRANSMITTER FOR DHC-100A POS BRD	A-TR33-AK-CD-00	298	295.84
Analog Modulating Board 0-10V/0-5V/4-20mA (Specify setting at time of order)	120V 2A PROPORTIONAL POSITIONING CONTROL for SIZES 1-1/2 - 4	A-MC01-AC-CA-RC	298	1193.35
Analog Potentiometer	FEEDBACK POT 360° CONTINUOUS	A-PO45-00-00-RH	298	197.23
Analog Transmitter	4-20 MA TRANSMITTER FOR ANALOG FEED BACK	A-TR33-AB-CE-RH	298	590.58
	0-10V TRANSMITTER FOR ANALOG FEED BACK	A-TR33-AK-CA-RH	298	590.58
Installation bracket (required for any configuration)	MOUNTING KIT FOR 005 ACTUATOR on 1/2"- 3" Ball Valves, 1-1/2"-4" Butterfly Valves	A-PK40-00-00-RA	298	418.83
	MOUNTING BRACKET FOR RCEL004/006/009	A-PK41-00-00-RA	298	294.12
	MOUNTING KIT FOR 015/019/028 ACTUATORS on 6" Ball Valves, 6" - 12" Butterfly Valves	A-PK42-00-00-RD	298	418.83
ID Tag	Type 316 Stainless Steel ID Tag 1-1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	299	35.02

Stem Extensions	Ball Valve Stem Extension ¹	A-BVSE-xxx-000	Call for MSRP
	True Union 2000 Ball Valve Stem Extension	A-BVSE2-xxx-000	
Thermostat	Call for Application & MSRP		
Speed Control	Call for Application & MSRP		
"2-Wire" Control Relay	Call for Application & MSRP		
Torque Sensor	Call for Application & MSRP		
LED Indicator Lights	Call for Application & MSRP		
Additional Limit Switch Sets	Call for Application & MSRP		
Battery Backup	Call for Application & MSRP		

NOTES: 1 - Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.



Actuated Valves Product

Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic

Industrial grade True Union design, 1/4-turn shutoff for a wide range of applications. Full-featured actuator can be custom configured with add-on accessories.

- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 1/2" - 4" 235 psi @ 73°F (23°C)
- 6" and all flanged 150 psi @ 73°F (23°C)
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories
 NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.



PVC Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic

O-ring Joint	EPDM			FKM			Prod Code
	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2 Air to Air	2110H101-005* CALL	2310H101-005* CALL	2410H101-005* CALL	2120H101-005* CALL	2320H101-005* CALL	2420H101-005* CALL	530
1/2 Air to Spring	2110J101-005* CALL	2310J101-005* CALL	2410J101-005* CALL	2120J101-005* CALL	2320J101-005* CALL	2420J101-005* CALL	530
3/4 Air to Air	2110H101-007* CALL	2310H101-007* CALL	2410H101-007* CALL	2120H101-007* CALL	2320H101-007* CALL	2420H101-007* CALL	530
3/4 Air to Spring	2110J101-007* CALL	2310J101-007* CALL	2410J101-007* CALL	2120J101-007* CALL	2320J101-007* CALL	2420J101-007* CALL	530
1 Air to Air	2110H101-010* CALL	2310H101-010* CALL	2410H101-010* CALL	2120H101-010* CALL	2320H101-010* CALL	2420H101-010* CALL	530
1 Air to Spring	2110J101-010* CALL	2310J101-010* CALL	2410J101-010* CALL	2120J101-010* CALL	2320J101-010* CALL	2420J101-010* CALL	530
1-1/4 Air to Air	2110H101-012* CALL	2310H101-012* CALL	2410H101-012* CALL	2120H101-012* CALL	2320H101-012* CALL	2420H101-012* CALL	530
1-1/4 Air to Spring	2110J101-012* CALL	2310J101-012* CALL	2410J101-012* CALL	2120J101-012* CALL	2320J101-012* CALL	2420J101-012* CALL	530
1-1/2 Air to Air	2110H101-015* CALL	2310H101-015* CALL	2410H101-015* CALL	2120H101-015* CALL	2320H101-015* CALL	2420H101-015* CALL	530
1-1/2 Air to Spring	2110J101-015* CALL	2310J101-015* CALL	2410J101-015* CALL	2120J101-015* CALL	2320J101-015* CALL	2420J101-015* CALL	530
2 Air to Air	2110H101-020* CALL	2310H101-020* CALL	2410H101-020* CALL	2120H101-020* CALL	2320H101-020* CALL	2420H101-020* CALL	530
2 Air to Spring	2110J101-020* CALL	2310J101-020* CALL	2410J101-020* CALL	2120J101-020* CALL	2320J101-020* CALL	2420J101-020* CALL	530
2-1/2 Air to Air	2110H101-025* CALL	2310H101-025* CALL	2410H101-025* CALL	2120H101-025* CALL	2320H101-025* CALL	2420H101-025* CALL	530
2-1/2 Air to Spring	2110J101-025* CALL	2310J101-025* CALL	2410J101-025* CALL	2120J101-025* CALL	2320J101-025* CALL	2420J101-025* CALL	530
3 Air to Air	2110H101-030* CALL	2310H101-030* CALL	2410H101-030* CALL	2120H101-030* CALL	2320H101-030* CALL	2420H101-030* CALL	530
3 Air to Spring	2110J101-030* CALL	2310J101-030* CALL	2410J101-030* CALL	2120J101-030* CALL	2320J101-030* CALL	2420J101-030* CALL	530
4 Air to Air	2110H101-040* CALL	2310H101-040* CALL	2410H101-040* CALL	2120H101-040* CALL	2320H101-040* CALL	2420H101-040* CALL	530
4 Air to Spring	2110J101-040* CALL	2310J101-040* CALL	2410J101-040* CALL	2120J101-040* CALL	2320J101-040* CALL	2420J101-040* CALL	530
6 Air to Air	2110H101-060* CALL	2310H101-060* CALL	2410H101-060* CALL	2120H101-060* CALL	2320H101-060* CALL	2420H101-060* CALL	530
6 Air to Spring	2110J101-060* CALL	2310J101-060* CALL	2410J101-060* CALL	2120J101-060* CALL	2320J101-060* CALL	2420J101-060* CALL	530

Actuated Valves Product
Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic



CPVC

O-ring Joint	EPDM			FKM			Prod Code
	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	Part # MSRP	
1/2 Air to Air	21102H101-005* CALL	23102H101-005* CALL	24102H101-005* CALL	21202H101-005* CALL	23202H101-005* CALL	24202H101-005* CALL	532
1/2 Air to Spring	21102J101-005* CALL	23102J101-005* CALL	24102J101-005* CALL	21202J101-005* CALL	23202J101-005* CALL	24202J101-005* CALL	532
3/4 Air to Air	21102H101-007* CALL	23102H101-007* CALL	24102H101-007* CALL	21202H101-007* CALL	23202H101-007* CALL	24202H101-007* CALL	532
3/4 Air to Spring	21102J101-007* CALL	23102J101-007* CALL	24102J101-007* CALL	21202J101-007* CALL	23202J101-007* CALL	24202J101-007* CALL	532
1 Air to Air	21102H101-010* CALL	23102H101-010* CALL	24102H101-010* CALL	21202H101-010* CALL	23202H101-010* CALL	24202H101-010* CALL	532
1 Air to Spring	21102J101-010* CALL	23102J101-010* CALL	24102J101-010* CALL	21202J101-010* CALL	23202J101-010* CALL	24202J101-010* CALL	532
1-1/4 Air to Air	21102H101-012* CALL	23102H101-012* CALL	24102H101-012* CALL	21202H101-012* CALL	23202H101-012* CALL	24202H101-012* CALL	532
1-1/4 Air to Spring	21102J101-012* CALL	23102J101-012* CALL	24102J101-012* CALL	21202J101-012* CALL	23202J101-012* CALL	24202J101-012* CALL	532
1-1/2 Air to Air	21102H101-015* CALL	23102H101-015* CALL	24102H101-015* CALL	21202H101-015* CALL	23202H101-015* CALL	24202H101-015* CALL	532
1-1/2 Air to Spring	21102J101-015* CALL	23102J101-015* CALL	24102J101-015* CALL	21202J101-015* CALL	23202J101-015* CALL	24202J101-015* CALL	532
2 Air to Air	21102H101-020* CALL	23102H101-020* CALL	24102H101-020* CALL	21202H101-020* CALL	23202H101-020* CALL	24202H101-020* CALL	532
2 Air to Spring	21102J101-020* CALL	23102J101-020* CALL	24102J101-020* CALL	21202J101-020* CALL	23202J101-020* CALL	24202J101-020* CALL	532
2-1/2 Air to Air	21102H101-025* CALL	23102H101-025* CALL	24102H101-025* CALL	21202H101-025* CALL	23202H101-025* CALL	24202H101-025* CALL	532
2-1/2 Air to Spring	21102J101-025* CALL	23102J101-025* CALL	24102J101-025* CALL	21202J101-025* CALL	23202J101-025* CALL	24202J101-025* CALL	532
3 Air to Air	21102H101-030* CALL	23102H101-030* CALL	24102H101-030* CALL	21202H101-030* CALL	23202H101-030* CALL	24202H101-030* CALL	532
3 Air to Spring	21102J101-030* CALL	23102J101-030* CALL	24102J101-030* CALL	21202J101-030* CALL	23202J101-030* CALL	24202J101-030* CALL	532
4 Air to Air	21102H101-040* CALL	23102H101-040* CALL	24102H101-040* CALL	21202H101-040* CALL	23202H101-040* CALL	24202H101-040* CALL	532
4 Air to Spring	21102J101-040* CALL	23102J101-040* CALL	24102J101-040* CALL	21202J101-040* CALL	23202J101-040* CALL	24202J101-040* CALL	532
6 Air to Air	21102H101-060* CALL	23102H101-060* CALL	24102H101-060* CALL	21202H101-060* CALL	23202H101-060* CALL	24202H101-060* CALL	532
6 Air to Spring	21102J101-060* CALL	23102J101-060* CALL	24102J101-060* CALL	21202J101-060* CALL	23202J101-060* CALL	24202J101-060* CALL	532



Actuated Valves Product
Premium Actuated Standard Butterfly Valve - Electric

Premium Actuated Standard Butterfly Valve - Electric



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

The following Features are Standard with Electric Actuated Standard Butterfly Valve.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12")
- 14"-100 psi, 16"-85 psi
- 18"-70 psi, 20"-24"-50 psi
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- Additional set dry contacts SPDT limit Switches
- NEMA 4 Enclosure, Powder Coated
- Basic Manual Override 1-1/2 through 4" (Declutchable Available)
- Declutchable Manual Override 6" through 12"
- Illuminated Position Indicator
- Heater

When ordering Butterfly Valves with additional Actuator Accessories add a "-A" to the end of the basic part number and see **Electric Actuator Accessories for Butterfly Valves** to order add-on Actuator Accessories separately.

EX: 41101A112-015 add the -A to create 41101A112-015-A.

PVC

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41101A112-015* CALL	41201A112-015* CALL	41301A112-015* CALL	510
2	41101A112-020* CALL	41201A112-020* CALL	41301A112-020* CALL	510
2-1/2	41101A112-025* CALL	41201A112-025* CALL	41301A112-025* CALL	510
3	41101A112-030* CALL	41201A112-030* CALL	41301A112-030* CALL	510
4	41101A112-040* CALL	41201A112-040* CALL	41301A112-040* CALL	510
6	41101A126-060* CALL	41201A126-060* CALL	41301A126-060* CALL	510
8	41101A126-080* CALL	41201A126-080* CALL	41301A126-080* CALL	510
10	41101A126-100* CALL	41201A126-100* CALL	41301A126-100* CALL	510
12	41101A123-120* CALL	41201A123-120* CALL	41301A123-120* CALL	510

CPVC

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41102A112-015* CALL	41202A112-015* CALL	41302A112-015* CALL	512
2	41102A112-020* CALL	41202A112-020* CALL	41302A112-020* CALL	512
2-1/2	41102A112-025* CALL	41202A112-025* CALL	41302A112-025* CALL	512
3	41102A112-030* CALL	41202A112-030* CALL	41302A112-030* CALL	512
4	41102A112-040* CALL	41202A112-040* CALL	41302A112-040* CALL	512
6	41102A126-060* CALL	41202A126-060* CALL	41302A126-060* CALL	512

CPVC (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
8	41102A126-080* CALL	41202A126-080* CALL	41302A126-080* CALL	512
10	41102A126-100* CALL	41202A126-100* CALL	41302A126-100* CALL	512
12	41102A123-120* CALL	41202A123-120* CALL	41302A123-120* CALL	512

Polypropylene

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41103A112-015* CALL	41203A112-015* CALL	41303A112-015* CALL	514
2	41103A112-020* CALL	41203A112-020* CALL	41303A112-020* CALL	514
2-1/2	41103A112-025* CALL	41203A112-025* CALL	41303A112-025* CALL	512
3	41103A112-030* CALL	41203A112-030* CALL	41303A112-030* CALL	514
4	41103A112-040* CALL	41203A112-040* CALL	41303A112-040* CALL	514
6	41103A126-060* CALL	41203A126-060* CALL	41303A126-060* CALL	514
8	41103A126-080* CALL	41203A126-080* CALL	41303A126-080* CALL	514
10	41103A126-100* CALL	41203A126-100* CALL	41303A126-100* CALL	514
12	41103A123-120* CALL	41203A123-120* CALL	41303A123-120* CALL	514

14, 16, 18, 20 & 24 - Varies On Application

NOTE: Due to variations in potential system operating conditions, 14" -24" Actuated Butterfly Valve packages are sized according to application parameters. Please contact Spears® for additional information.

Premium Actuated Standard Butterfly Valve - Pneumatic



Premium Actuated Standard Butterfly Valve - Pneumatic



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

The following Features are Standard with Pneumatic Actuated Standard Butterfly Valve.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12")
- 14"-100 psi, 16"- 85 psi, 18"-70 psi, 20"-24"-50 psi
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories

NOTE: Due to variations in potential system operating conditions, 14" -24" Actuated Butterfly Valve packages are sized according to application parameters. Please contact Spears® for additional information.

PVC

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41101H101-015* CALL	41201H101-015* CALL	41301H101-015* CALL	540
1-1/2 Air to Spring	41101J101-015* CALL	41201J101-015* CALL	41301J101-015* CALL	540
2 Air to Air	41101H101-020* CALL	41201H101-020* CALL	41301H101-020* CALL	540
2 Air to Spring	41101J101-020* CALL	41201J101-020* CALL	41301J101-020* CALL	540
2-1/2 Air to Air	41101H101-025* CALL	41201H101-025* CALL	41301H101-025* CALL	540
2-1/2 Air to Spring	41101J101-025* CALL	41201J101-025* CALL	41301J101-025* CALL	540
3 Air to Air	41101H101-030* CALL	41201H101-030* CALL	41301H101-030* CALL	540
3 Air to Spring	41101J101-030* CALL	41201J101-030* CALL	41301J101-030* CALL	540
4 Air to Air	41101H101-040* CALL	41201H101-040* CALL	41301H101-040* CALL	540
4 Air to Spring	41101J101-040* CALL	41201J101-040* CALL	41301J101-040* CALL	540
6 Air to Air	41101H101-060* CALL	41201H101-060* CALL	41301H101-060* CALL	540
6 Air to Spring	41101J101-060* CALL	41201J101-060* CALL	41301J101-060* CALL	540
8 Air to Air	41101H101-080* CALL	41201H101-080* CALL	41301H101-080* CALL	540
8 Air to Spring	41101J101-080* CALL	41201J101-080* CALL	41301J101-080* CALL	540

PVC (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
10 Air to Air	41101H101-100* CALL	41201H101-100* CALL	41301H101-100* CALL	540
10 Air to Spring	41101J101-100* CALL	41201J101-100* CALL	41301J101-100* CALL	540
12 Air to Air	41101H101-120* CALL	41201H101-120* CALL	41301H101-120* CALL	540
12 Air to Spring	41101J101-120* CALL	41201J101-120* CALL	41301J101-120* CALL	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41102H101-015* CALL	41202H101-015* CALL	41302H101-015* CALL	542
1-1/2 Air to Spring	41102J101-015* CALL	41202J101-015* CALL	41302J101-015* CALL	542
2 Air to Air	41102H101-020* CALL	41202H101-020* CALL	41302H101-020* CALL	542
2 Air to Spring	41102J101-020* CALL	41202J101-020* CALL	41302J101-020* CALL	542
2-1/2 Air to Air	41102H101-025* CALL	41202H101-025* CALL	41302H101-025* CALL	542
2-1/2 Air to Spring	41102J101-025* CALL	41202J101-025* CALL	41302J101-025* CALL	542
3 Air to Air	41102H101-030* CALL	41202H101-030* CALL	41302H101-030* CALL	542
3 Air to Spring	41102J101-030* CALL	41202J101-030* CALL	41302J101-030* CALL	542
4 Air to Air	41102H101-040* CALL	41202H101-040* CALL	41302H101-040* CALL	542
4 Air to Spring	41102J101-040* CALL	41202J101-040* CALL	41302J101-040* CALL	542
6 Air to Air	41102H101-060* CALL	41202H101-060* CALL	41302H101-060* CALL	542
6 Air to Spring	41102J101-060* CALL	41202J101-060* CALL	41302J101-060* CALL	542
8 Air to Air	41102H101-080* CALL	41202H101-080* CALL	41302H101-080* CALL	542
8 Air to Spring	41102J101-080* CALL	41202J101-080* CALL	41302J101-080* CALL	542
10 Air to Air	41102H101-100* CALL	41202H101-100* CALL	41302H101-100* CALL	542
10 Air to Spring	41102J101-100* CALL	41202J101-100* CALL	41302J101-100* CALL	542
12 Air to Air	41102H101-120* CALL	41202H101-120* CALL	41302H101-120* CALL	542
12 Air to Spring	41102J101-120* CALL	41202J101-120* CALL	41302J101-120* CALL	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41103H101-015* CALL	41203H101-015* CALL	41303H101-015* CALL	544
1-1/2 Air to Spring	41103J101-015* CALL	41203J101-015* CALL	41303J101-015* CALL	544
2 Air to Air	41103H101-020* CALL	41203H101-020* CALL	41303H101-020* CALL	544
2 Air to Spring	41103J101-020* CALL	41203J101-020* CALL	41303J101-020* CALL	544
2-1/2 Air to Air	41103H101-025* CALL	41203H101-025* CALL	41303H101-025* CALL	544

**Premium Actuated Standard Butterfly Valve - Pneumatic****Premium Actuated Standard Butterfly Valve -
Pneumatic****Polypropylene (continued)**

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
2-1/2 Air to Spring	41103J101-025* CALL	41203J101-025* CALL	41303J101-025* CALL	544
3 Air to Air	41103H101-030* CALL	41203H101-030* CALL	41303H101-030* CALL	544
3 Air to Spring	41103J101-030* CALL	41203J101-030* CALL	41303J101-030* CALL	544
4 Air to Air	41103H101-040* CALL	41203H101-040* CALL	41303H101-040* CALL	544
4 Air to Spring	41103J101-040* CALL	41203J101-040* CALL	41303J101-040* CALL	544
6 Air to Air	41103H101-060* CALL	41203H101-060* CALL	41303H101-060* CALL	544
6 Air to Spring	41103J101-060* CALL	41203J101-060* CALL	41303J101-060* CALL	544
8 Air to Air	41103H101-080* CALL	41203H101-080* CALL	41303H101-080* CALL	544
8 Air to Spring	41103J101-080* CALL	41203J101-080* CALL	41303J101-080* CALL	544
10 Air to Air	41103H101-100* CALL	41203H101-100* CALL	41303H101-100* CALL	544
10 Air to Spring	41103J101-100* CALL	41203J101-100* CALL	41303J101-100* CALL	544
12 Air to Air	41103H101-120* CALL	41203H101-120* CALL	41303H101-120* CALL	544
12 Air to Spring	41103J101-120* CALL	41203J101-120* CALL	41303J101-120* CALL	544

14, 16, 18, 20 & 24 - Varies On Application

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Actuated Valves Product
Premium Actuated Lug Insert Butterfly Valve - Electric



Premium Actuated Lug Insert Butterfly Valve - Electric



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

The following Features are Standard with Electric Actuated Lug Insert Butterfly Valve

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12")
- 14"-100 psi, 16"-85 psi
- 18"-70 psi, 20"-24"-50 psi
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- Additional set dry contacts SPDT limit Switches
- NEMA 4 Enclosure, Powder Coated
- Basic Manual Override 1-1/2 through 4" (Declutchable Available)
- Declutchable Manual Override 6" through 12"
- Illuminated Position Indicator
- Heater

When ordering Butterfly Valves with additional Actuator Accessories add a "-A" to the end of the basic part number and see **Electric Actuator Accessories for Butterfly Valves** to order add-on Actuator Accessories separately.

EX: 41121A112-015 add the -A to create 41121A112-015-A.

PVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41121A112-015* CALL	41221A112-015* CALL	41321A112-015* CALL	510
2	41121A112-020* CALL	41221A112-020* CALL	41321A112-020* CALL	510
2-1/2	41121A112-025* CALL	41221A112-025* CALL	41321A112-025* CALL	510
3	41121A112-030* CALL	41221A112-030* CALL	41321A112-030* CALL	510
4	41121A112-040* CALL	41221A112-040* CALL	41321A112-040* CALL	510
6	41121A126-060* CALL	41221A126-060* CALL	41321A126-060* CALL	510
8	41121A126-080* CALL	41221A126-080* CALL	41321A126-080* CALL	510
10	41121A126-100* CALL	41221A126-100* CALL	41321A126-100* CALL	510
12	41121A123-120* CALL	41221A123-120* CALL	41321A123-120* CALL	510

PVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41111A112-015* CALL	41211A112-015* CALL	41311A112-015* CALL	510
2	41111A112-020* CALL	41211A112-020* CALL	41311A112-020* CALL	510
2-1/2	41111A112-025* CALL	41211A112-025* CALL	41311A112-025* CALL	510
3	41111A112-030* CALL	41211A112-030* CALL	41311A112-030* CALL	510
4	41111A112-040* CALL	41211A112-040* CALL	41311A112-040* CALL	510

PVC - Zinc Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
6	41111A126-060* CALL	41211A126-060* CALL	41311A126-060* CALL	510
8	41111A126-080* CALL	41211A126-080* CALL	41311A126-080* CALL	510
10	41111A126-100* CALL	41211A126-100* CALL	41311A126-100* CALL	510
12	41111A123-120* CALL	41211A123-120* CALL	41311A123-120* CALL	510

CPVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41122A112-015* CALL	41222A112-015* CALL	41322A112-015* CALL	512
2	41122A112-020* CALL	41222A112-020* CALL	41322A112-020* CALL	512
2-1/2	41122A112-025* CALL	41222A112-025* CALL	41322A112-025* CALL	512
3	41122A112-030* CALL	41222A112-030* CALL	41322A112-030* CALL	512
4	41122A112-040* CALL	41222A112-040* CALL	41322A112-040* CALL	512
6	41122A126-060* CALL	41222A126-060* CALL	41322A126-060* CALL	512
8	41122A126-080* CALL	41222A126-080* CALL	41322A126-080* CALL	512
10	41122A126-100* CALL	41222A126-100* CALL	41322A126-100* CALL	512
12	41122A123-120* CALL	41222A123-120* CALL	41322A123-120* CALL	512

CPVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	41112A112-015* CALL	41212A112-015* CALL	41312A112-015* CALL	512
2	41112A112-020* CALL	41212A112-020* CALL	41312A112-020* CALL	512
2-1/2	41112A112-025* CALL	41212A112-025* CALL	41312A112-025* CALL	512
3	41112A112-030* CALL	41212A112-030* CALL	41312A112-030* CALL	512
4	41112A112-040* CALL	41212A112-040* CALL	41312A112-040* CALL	512
6	41112A126-060* CALL	41212A126-060* CALL	41312A126-060* CALL	512
8	41112A126-080* CALL	41212A126-080* CALL	41312A126-080* CALL	512
10	41112A126-100* CALL	41212A126-100* CALL	41312A126-100* CALL	512
12	41112A123-120* CALL	41212A123-120* CALL	41312A123-120* CALL	512



Premium Actuated Lug Insert Butterfly Valve - Pneumatic

Premium Actuated Lug Insert Butterfly Valve - Pneumatic



Industrial grade valve with factory assembled lug inserts. Patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- Zinc or SS Lug Inserts
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves for Add-on Actuator Accessories

PVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41121H101-015* CALL	41221H101-015* CALL	41321H101-015* CALL	540
1-1/2 Air to Spring	41121J101-015* CALL	41221J101-015* CALL	41321J101-015* CALL	540
2 Air to Air	41121H101-020* CALL	41221H101-020* CALL	41321H101-020* CALL	540
2 Air to Spring	41121J101-020* CALL	41221J101-020* CALL	41321J101-020* CALL	540
2-1/2 Air to Air	41121H101-025* CALL	41221H101-025* CALL	41321H101-025* CALL	540
2-1/2 Air to Spring	41121J101-025* CALL	41221J101-025* CALL	41321J101-025* CALL	540
3 Air to Air	41121H101-030* CALL	41221H101-030* CALL	41321H101-030* CALL	540
3 Air to Spring	41121J101-030* CALL	41221J101-030* CALL	41321J101-030* CALL	540
4 Air to Air	41121H101-040* CALL	41221H101-040* CALL	41321H101-040* CALL	540
4 Air to Spring	41121J101-040* CALL	41221J101-040* CALL	41321J101-040* CALL	540
6 Air to Air	41121H101-060* CALL	41221H101-060* CALL	41321H101-060* CALL	540
6 Air to Spring	41121J101-060* CALL	41221J101-060* CALL	41321J101-060* CALL	540
8 Air to Air	41121H101-080* CALL	41221H101-080* CALL	41321H101-080* CALL	540
8 Air to Spring	41121J101-080* CALL	41221J101-080* CALL	41321J101-080* CALL	540
10 Air to Air	41121H101-100* CALL	41221H101-100* CALL	41321H101-100* CALL	540
10 Air to Spring	41121J101-100* CALL	41221J101-100* CALL	41321J101-100* CALL	540
12 Air to Air	41121H101-120* CALL	41221H101-120* CALL	41321H101-120* CALL	540
12 Air to Spring	41121J101-120* CALL	41221J101-120* CALL	41321J101-120* CALL	540

PVC - Stainless Steel Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
NOTE: For Air to Spring <u>OPEN</u> , change letter "J" to letter "K" in listed part number.				

PVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41111H101-015* CALL	41211H101-015* CALL	41311H101-015* CALL	540
1-1/2 Air to Spring	41111J101-015* CALL	41211J101-015* CALL	41311J101-015* CALL	540
2 Air to Air	41111H101-020* CALL	41211H101-020* CALL	41311H101-020* CALL	540
2 Air to Spring	41111J101-020* CALL	41211J101-020* CALL	41311J101-020* CALL	540
2-1/2 Air to Air	41111H101-025* CALL	41211H101-025* CALL	41311H101-025* CALL	540
2-1/2 Air to Spring	41111J101-025* CALL	41211J101-025* CALL	41311J101-025* CALL	540
3 Air to Air	41111H101-030* CALL	41211H101-030* CALL	41311H101-030* CALL	540
3 Air to Spring	41111J101-030* CALL	41211J101-030* CALL	41311J101-030* CALL	540
4 Air to Air	41111H101-040* CALL	41211H101-040* CALL	41311H101-040* CALL	540
4 Air to Spring	41111J101-040* CALL	41211J101-040* CALL	41311J101-040* CALL	540
6 Air to Air	41111H101-060* CALL	41211H101-060* CALL	41311H101-060* CALL	540
6 Air to Spring	41111J101-060* CALL	41211J101-060* CALL	41311J101-060* CALL	540
8 Air to Air	41111H101-080* CALL	41211H101-080* CALL	41311H101-080* CALL	540
8 Air to Spring	41111J101-080* CALL	41211J101-080* CALL	41311J101-080* CALL	540
10 Air to Air	41111H101-100* CALL	41211H101-100* CALL	41311H101-100* CALL	540
10 Air to Spring	41111J101-100* CALL	41211J101-100* CALL	41311J101-100* CALL	540
12 Air to Air	41111H101-120* CALL	41211H101-120* CALL	41311H101-120* CALL	540
12 Air to Spring	41111J101-120* CALL	41211J101-120* CALL	41311J101-120* CALL	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41122H101-015* CALL	41222H101-015* CALL	41322H101-015* CALL	542
1-1/2 Air to Spring	41122J101-015* CALL	41222J101-015* CALL	41322J101-015* CALL	542
2 Air to Air	41122H101-020* CALL	41222H101-020* CALL	41322H101-020* CALL	542
2 Air to Spring	41122J101-020* CALL	41222J101-020* CALL	41322J101-020* CALL	542
2-1/2 Air to Air	41122H101-025* CALL	41222H101-025* CALL	41322H101-025* CALL	542
2-1/2 Air to Spring	41122J101-025* CALL	41222J101-025* CALL	41322J101-025* CALL	542
3 Air to Air	41122H101-030* CALL	41222H101-030* CALL	41322H101-030* CALL	542

Premium Actuated Lug Insert Butterfly Valve - Pneumatic



Premium Actuated Lug Insert Butterfly Valve - Pneumatic

CPVC - Stainless Steel Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
3 Air to Spring	41122J101-030* CALL	41222J101-030* CALL	41322J101-030* CALL	542
4 Air to Air	41122H101-040* CALL	41222H101-040* CALL	41322H101-040* CALL	542
4 Air to Spring	41122J101-040* CALL	41222J101-040* CALL	41322J101-040* CALL	542
6 Air to Air	41122H101-060* CALL	41222H101-060* CALL	41322H101-060* CALL	542
6 Air to Spring	41122J101-060* CALL	41222J101-060* CALL	41322J101-060* CALL	542
8 Air to Air	41122H101-080* CALL	41222H101-080* CALL	41322H101-080* CALL	542
8 Air to Spring	41122J101-080* CALL	41222J101-080* CALL	41322J101-080* CALL	542
10 Air to Air	41122H101-100* CALL	41222H101-100* CALL	41322H101-100* CALL	542
10 Air to Spring	41122J101-100* CALL	41222J101-100* CALL	41322J101-100* CALL	542
12 Air to Air	41122H101-120* CALL	41222H101-120* CALL	41322H101-120* CALL	542
12 Air to Spring	41122J101-120* CALL	41222J101-120* CALL	41322J101-120* CALL	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	41112H101-015* CALL	41212H101-015* CALL	41312H101-015* CALL	542
1-1/2 Air to Spring	41112J101-015* CALL	41212J101-015* CALL	41312J101-015* CALL	542
2 Air to Air	41112H101-020* CALL	41212H101-020* CALL	41312H101-020* CALL	542
2 Air to Spring	41112J101-020* CALL	41212J101-020* CALL	41312J101-020* CALL	542
2-1/2 Air to Air	41112H101-025* CALL	41212H101-025* CALL	41312H101-025* CALL	542
2-1/2 Air to Spring	41112J101-025* CALL	41212J101-025* CALL	41312J101-025* CALL	542
3 Air to Air	41112H101-030* CALL	41212H101-030* CALL	41312H101-030* CALL	542
3 Air to Spring	41112J101-030* CALL	41212J101-030* CALL	41312J101-030* CALL	542
4 Air to Air	41112H101-040* CALL	41212H101-040* CALL	41312H101-040* CALL	542
4 Air to Spring	41112J101-040* CALL	41212J101-040* CALL	41312J101-040* CALL	542
6 Air to Air	41112H101-060* CALL	41212H101-060* CALL	41312H101-060* CALL	542
6 Air to Spring	41112J101-060* CALL	41212J101-060* CALL	41312J101-060* CALL	542
8 Air to Air	41112H101-080* CALL	41212H101-080* CALL	41312H101-080* CALL	542
8 Air to Spring	41112J101-080* CALL	41212J101-080* CALL	41312J101-080* CALL	542
10 Air to Air	41112H101-100* CALL	41212H101-100* CALL	41312H101-100* CALL	542
10 Air to Spring	41112J101-100* CALL	41212J101-100* CALL	41312J101-100* CALL	542

CPVC - Zinc Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
12 Air to Air	41112H101-120* CALL	41212H101-120* CALL	41312H101-120* CALL	542
12 Air to Spring	41112J101-120* CALL	41212J101-120* CALL	41312J101-120* CALL	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.



Actuated Valves Product
Premium Actuated True Lug Butterfly Valve - Electric

Premium Actuated True Lug Butterfly Valve - Electric



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

The following Features are Standard with Electric Actuated True Lug Butterfly Valve

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12")
- 14"-100 psi, 16"-85 psi
- 18"-70 psi, 20"-24"-50 psi
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- Additional set dry contacts SPDT limit Switches
- NEMA 4 Enclosure, Powder Coated
- Basic Manual Override 1-1/2 through 4" (Declutchable Available)
- Declutchable Manual Override 6" through 12"
- Illuminated Position Indicator
- Heater

When ordering Butterfly Valves with additional Actuator Accessories add a "-A" to the end of the basic part number and see **Electric Actuator Accessories for Butterfly Valves** to order add-on Actuator Accessories separately.

EX: 51121A112-015 add the -A to create 51121A112-015-A.

PVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	51121A112-015* CALL	51221A112-015* CALL	51321A112-015* CALL	510
2	51121A112-020* CALL	51221A112-020* CALL	51321A112-020* CALL	510
2-1/2	51121A112-025* CALL	51221A112-025* CALL	51321A112-025* CALL	510
3	51121A112-030* CALL	51221A112-030* CALL	51321A112-030* CALL	510
4	51121A112-040* CALL	51221A112-040* CALL	51321A112-040* CALL	510
6	51111A126-060* CALL	51221A126-060* CALL	51321A126-060* CALL	510
8	51111A126-080* CALL	51221A126-080* CALL	51321A126-080* CALL	510
10	51111A126-100* CALL	51221A126-100* CALL	51321A126-100* CALL	510
12	51121A123-120* CALL	51221A123-120* CALL	51321A123-120* CALL	510

PVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	51111A112-015* CALL	51211A112-015* CALL	51311A112-015* CALL	510
2	51111A112-020* CALL	51211A112-020* CALL	51311A112-020* CALL	510
2-1/2	51111A112-025* CALL	51211A112-025* CALL	51311A112-025* CALL	510
3	51111A112-030* CALL	51211A112-030* CALL	51311A112-030* CALL	510
4	51111A112-040* CALL	51211A112-040* CALL	51311A112-040* CALL	510
6	51111A126-060* CALL	51211A126-060* CALL	51311A126-060* CALL	510

PVC - Zinc Lugs (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
8	51111A126-080* CALL	51211A126-080* CALL	51311A126-080* CALL	510
10	51111A126-100* CALL	51211A126-100* CALL	51311A126-100* CALL	510
12	51111A123-120* CALL	51211A123-120* CALL	51311A123-120* CALL	510

CPVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	51122A112-015* CALL	51222A112-015* CALL	51322A112-015* CALL	512
2	51122A112-020* CALL	51222A112-020* CALL	51322A112-020* CALL	512
2-1/2	51122A112-025* CALL	51222A112-025* CALL	51322A112-025* CALL	512
3	51122A112-030* CALL	51222A112-030* CALL	51322A112-030* CALL	512
4	51122A112-040* CALL	51222A112-040* CALL	51322A112-040* CALL	512
6	51122A126-060* CALL	51222A126-060* CALL	51322A126-060* CALL	512
8	51122A126-080* CALL	51222A126-080* CALL	51322A126-080* CALL	512
10	51122A126-100* CALL	51222A126-100* CALL	51322A126-100* CALL	512
12	51122A123-120* CALL	51222A123-120* CALL	51322A123-120* CALL	512

CPVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2	51112A112-015* CALL	51212A112-015* CALL	51312A112-015* CALL	512
2	51112A112-020* CALL	51212A112-020* CALL	51312A112-020* CALL	512
2-1/2	51112A112-025* CALL	51212A112-025* CALL	51312A112-025* CALL	512
3	51112A112-030* CALL	51212A112-030* CALL	51312A112-030* CALL	512
4	51112A112-040* CALL	51212A112-040* CALL	51312A112-040* CALL	512
6	51112A126-060* CALL	51212A126-060* CALL	51312A126-060* CALL	512
8	51112A126-080* CALL	51212A126-080* CALL	51312A126-080* CALL	512
10	51112A126-100* CALL	51212A126-100* CALL	51312A126-100* CALL	512
12	51112A123-120* CALL	51212A123-120* CALL	51312A123-120* CALL	512

Premium Actuated True Lug Butterfly Valve - Pneumatic



Premium Actuated True Lug Butterfly Valve - Pneumatic



Industrial grade lug style valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- Zinc or SS Lugs
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves for Add-on Actuator Accessories

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

PVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	51121H101-015* CALL	51221H101-015* CALL	51321H101-015* CALL	540
1-1/2 Air to Spring	51121J101-015* CALL	51221J101-015* CALL	51321J101-015* CALL	540
2 Air to Air	51121H101-020* CALL	51221H101-020* CALL	51321H101-020* CALL	540
2 Air to Spring	51121J101-020* CALL	51221J101-020* CALL	51321J101-020* CALL	540
2-1/2 Air to Air	51121H101-025* CALL	51221H101-025* CALL	51321H101-025* CALL	540
2-1/2 Air to Spring	51121J101-025* CALL	51221J101-025* CALL	51321J101-025* CALL	540
3 Air to Air	51121H101-030* CALL	51221H101-030* CALL	51321H101-030* CALL	540
3 Air to Spring	51121J101-030* CALL	51221J101-030* CALL	51321J101-030* CALL	540
4 Air to Air	51121H101-040* CALL	51221H101-040* CALL	51321H101-040* CALL	540
4 Air to Spring	51121J101-040* CALL	51221J101-040* CALL	51321J101-040* CALL	540
6 Air to Air	51121H101-060* CALL	51221H101-060* CALL	51321H101-060* CALL	540
6 Air to Spring	51121J101-060* CALL	51221J101-060* CALL	51321J101-060* CALL	540
8 Air to Air	51121H101-080* CALL	51221H101-080* CALL	51321H101-080* CALL	540
8 Air to Spring	51121J101-080* CALL	51221J101-080* CALL	51321J101-080* CALL	540
10 Air to Air	51121H101-100* CALL	51221H101-100* CALL	51321H101-100* CALL	540
10 Air to Spring	51121J101-100* CALL	51221J101-100* CALL	51321J101-100* CALL	540
12 Air to Air	51121H101-120* CALL	51221H101-120* CALL	51321H101-120* CALL	540
12 Air to Spring	51121J101-120* CALL	51221J101-120* CALL	51321J101-120* CALL	540

PVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	51111H101-015* CALL	51211H101-015* CALL	51311H101-015* CALL	540
1-1/2 Air to Spring	51111J101-015* CALL	51211J101-015* CALL	51311J101-015* CALL	540
2 Air to Air	51111H101-020* CALL	51211H101-020* CALL	51311H101-020* CALL	540
2 Air to Spring	51111J101-020* CALL	51211J101-020* CALL	51311J101-020* CALL	540
2-1/2 Air to Air	51111H101-025* CALL	51211H101-025* CALL	51311H101-025* CALL	540
2-1/2 Air to Spring	51111J101-025* CALL	51211J101-025* CALL	51311J101-025* CALL	540
3 Air to Air	51111H101-030* CALL	51211H101-030* CALL	51311H101-030* CALL	540
3 Air to Spring	51111J101-030* CALL	51211J101-030* CALL	51311J101-030* CALL	540
4 Air to Air	51111H101-040* CALL	51211H101-040* CALL	51311H101-040* CALL	540
4 Air to Spring	51111J101-040* CALL	51211J101-040* CALL	51311J101-040* CALL	540
6 Air to Air	51111H101-060* CALL	51211H101-060* CALL	51311H101-060* CALL	540
6 Air to Spring	51111J101-060* CALL	51211J101-060* CALL	51311J101-060* CALL	540
8 Air to Air	51111H101-080* CALL	51211H101-080* CALL	51311H101-080* CALL	540
8 Air to Spring	51111J101-080* CALL	51211J101-080* CALL	51311J101-080* CALL	540
10 Air to Air	51111H101-100* CALL	51211H101-100* CALL	51311H101-100* CALL	540
10 Air to Spring	51111J101-100* CALL	51211J101-100* CALL	51311J101-100* CALL	540
12 Air to Air	51111H101-120* CALL	51211H101-120* CALL	51311H101-120* CALL	540
12 Air to Spring	51111J101-120* CALL	51211J101-120* CALL	51311J101-120* CALL	540

CPVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	51122H101-015* CALL	51222H101-015* CALL	51322H101-015* CALL	542
1-1/2 Air to Spring	51122J101-015* CALL	51222J101-015* CALL	51322J101-015* CALL	542
2 Air to Air	51122H101-020* CALL	51222H101-020* CALL	51322H101-020* CALL	542
2 Air to Spring	51122J101-020* CALL	51222J101-020* CALL	51322J101-020* CALL	542
2-1/2 Air to Air	51122H101-025* CALL	51222H101-025* CALL	51322H101-025* CALL	542
2-1/2 Air to Spring	51122J101-025* CALL	51222J101-025* CALL	51322J101-025* CALL	542
3 Air to Air	51122H101-030* CALL	51222H101-030* CALL	51322H101-030* CALL	542
3 Air to Spring	51122J101-030* CALL	51222J101-030* CALL	51322J101-030* CALL	542
4 Air to Air	51122H101-040* CALL	51222H101-040* CALL	51322H101-040* CALL	542
4 Air to Spring	51122J101-040* CALL	51222J101-040* CALL	51322J101-040* CALL	542
6 Air to Air	51122H101-060* CALL	51222H101-060* CALL	51322H101-060* CALL	542
6 Air to Spring	51122J101-060* CALL	51222J101-060* CALL	51322J101-060* CALL	542
8 Air to Air	51122H101-080* CALL	51222H101-080* CALL	51322H101-080* CALL	542



Premium Actuated True Lug Butterfly Valve - Pneumatic

Premium Actuated True Lug Butterfly Valve - Pneumatic

CPVC - Stainless Steel Lugs (continued)

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
8 Air to Spring	51122J101-080* CALL	51222J101-080* CALL	51322J101-080* CALL	542
10 Air to Air	51122H101-100* CALL	51222H101-100* CALL	51322H101-100* CALL	542
10 Air to Spring	51122J101-100* CALL	51222J101-100* CALL	51322J101-100* CALL	542
12 Air to Air	51122H101-120* CALL	51222H101-120* CALL	51322H101-120* CALL	542
12 Air to Spring	51122J101-120* CALL	51222J101-120* CALL	51322J101-120* CALL	542

CPVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	FKM O-ring	Prod Code
1-1/2 Air to Air	51112H101-015* CALL	51212H101-015* CALL	51312H101-015* CALL	542
1-1/2 Air to Spring	51112J101-015* CALL	51212J101-015* CALL	51312J101-015* CALL	542
2 Air to Air	51112H101-020* CALL	51212H101-020* CALL	51312H101-020* CALL	542
2 Air to Spring	51112J101-020* CALL	51212J101-020* CALL	51312J101-020* CALL	542
2-1/2 Air to Air	51112H101-025* CALL	51212H101-025* CALL	51312H101-025* CALL	542
2-1/2 Air to Spring	51112J101-025* CALL	51212J101-025* CALL	51312J101-025* CALL	542
3 Air to Air	51112H101-030* CALL	51212H101-030* CALL	51312H101-030* CALL	542
3 Air to Spring	51112J101-030* CALL	51212J101-030* CALL	51312J101-030* CALL	542
4 Air to Air	51112H101-040* CALL	51212H101-040* CALL	51312H101-040* CALL	542
4 Air to Spring	51112J101-040* CALL	51212J101-040* CALL	51312J101-040* CALL	542
6 Air to Air	51112H101-060* CALL	51212H101-060* CALL	51312H101-060* CALL	542
6 Air to Spring	51112J101-060* CALL	51212J101-060* CALL	51312J101-060* CALL	542
8 Air to Air	51112H101-080* CALL	51212H101-080* CALL	51312H101-080* CALL	542
8 Air to Spring	51112J101-080* CALL	51212J101-080* CALL	51312J101-080* CALL	542
10 Air to Air	51112H101-100* CALL	51212H101-100* CALL	51312H101-100* CALL	542
10 Air to Spring	51112J101-100* CALL	51212J101-100* CALL	51312J101-100* CALL	542
12 Air to Air	51112H101-120* CALL	51212H101-120* CALL	51312H101-120* CALL	542
12 Air to Spring	51112J101-120* CALL	51212J101-120* CALL	51312J101-120* CALL	542

Actuated Valves Product
Electric Actuator Accessories for Butterfly Valves



Accessory	Description	Accessory Part Number	Prod Code	MSRP
Digital Modulating Board 0-10V/0-5V/1-5V/4-20mA (Specify setting at time of order)	120 VAC DIG HI RES POSITIONING CARD ONLY	A-PB01-AA-CD-RF	298	1561.22
Digital Potentiometer	FEEDBACK POT 360° CONTINUOUS	A-PO45-00-00-RH	298	197.23
Digital Transmitter	4-20MA TRANSMITTER FOR DHC-100A POS BRD	A-TR33-AK-CD-00	298	295.84
Analog Modulating Board 0-10V/0-5V/4-20mA (Specify setting at time of order)	120V 2A PROPORTIONAL POSITIONING CONTROL for SIZES 1-1/2 - 4	A-MC01-AC-CA-RC	298	1193.35
	120V 5A PROPORTIONAL POSITIONING CONTROL for SIZES 6 - 12	A-MC01-AC-CA-RD	298	1193.35
Analog Potentiometer	FEEDBACK POT 360° CONTINUOUS	A-PO45-00-00-RH	298	197.23
Analog Transmitter 4-20mA	4-20 MA TRANSMITTER FOR ANALOG FEED BACK	A-TR33-AB-CE-RH	298	590.58
Analog Transmitter 0-5V/0-10V	0-10V TRANSMITTER FOR ANALOG FEED BACK	A-TR33-AK-CA-RH	298	590.58
Installation bracket (required for any configuration)	MOUNTING KIT FOR 005 ACTUATOR on 1/2" - 3" Ball Valves, 1-1/2"-4" Butterfly Valves	A-PK40-00-00-RA	298	418.83
	MOUNTING KIT FOR 015/019/028 ACTUATORS on 6" Ball Valves, 6" - 12" Butterfly Valves	A-PK42-00-00-RD	298	418.83
ID Tag	Type 316 Stainless Steel ID Tag 1-1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	299	35.02



Actuated Valves Product
Tandem Actuated Butterfly Valves

Tandem Actuated Butterfly Valves

Custom configured and produced to order, Spears® Tandem Actuated Butterfly Valves are available in multiple configurations to meet variety of operational needs. Tandem Actuated Butterfly Valves utilize a Tee-Style configuration for 3-way or diverting operation where two (2) valves are operated from one (1) actuator.



Multi-Featured Options:

- Tandem 3-Way: two valves operated from one actuator, both closing or both opening at the same time.
- Tandem Diverting: two valves operated from one actuator, one opening while the other closes.
- Variable Valve Orientation Available
- Multi Seat Material Options including EPDM, FKM, Buna-N, and PTFE Sleeved Seats.
- Multi Flanged Connection Options including Standard, Lug-Insert or True-Lug Style Valves
- Multi Actuation Option, including Electric or Pneumatic with a host of Actuation Accessories for each (see Electric or Pneumatic Actuator Accessories for Butterfly Valves)

Pressure Rating @ 73°F (23°C), Water
150 psi for Sizes through 12"
(Larger Sizes Available)

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

CONTACT SPEARS® FOR SELECTION ASSISTANCE & MSRP

Actuated Valves Product
Premium Actuated Diaphragm Valve - Electric



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids. Full-featured actuator can be custom configured with add-on accessories.

Stainless Steel Hardware

235 psi @ 73°F (23°C) - sizes 1/2"- 2" (flanged & PTFE diaphragm-150 psi), 2-1/2"- 4"-150 psi

115 VAC standard, optional voltages available

Multi-turn Operation with 2-SPDT Limit Switches

NEMA 4 Enclosure, Powder Coated

See **Electric Actuator Accessories** for Add-on Actuator Accessories

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.

PVC - EPDM and FKM Diaphragms

Material	EPDM O-ring & EPDM Diaphragm				FKM O-ring & FKM Diaphragm				Prod Code
	Socket	SR Threaded	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Joint Size	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	
1/2	91121A101-005* CALL	93121A101-005* CALL	94021A101-005* CALL	95021A101-005* CALL	91231A101-005* CALL	93231A101-005* CALL	94031A101-005* CALL	95031A101-005* CALL	520
3/4	91121A101-007* CALL	93121A101-007* CALL	94021A101-007* CALL	95021A101-007* CALL	91231A101-007* CALL	93231A101-007* CALL	94031A101-007* CALL	95031A101-007* CALL	520
1	91121A101-010* CALL	93121A101-010* CALL	94021A101-010* CALL	95021A101-010* CALL	91231A101-010* CALL	93231A101-010* CALL	94031A101-010* CALL	95031A101-010* CALL	520
1-1/4	91121A101-012* CALL	93121A101-012* CALL	94021A101-012* CALL	95021A101-012* CALL	91231A101-012* CALL	93231A101-012* CALL	94031A101-012* CALL	95031A101-012* CALL	520
1-1/2	91121A101-015* CALL	93121A101-015* CALL	94021A101-015* CALL	95021A101-015* CALL	91231A101-015* CALL	93231A101-015* CALL	94031A101-015* CALL	95031A101-015* CALL	520
2	91121A101-020* CALL	93121A101-020* CALL	94021A101-020* CALL	95021A101-020* CALL	91231A101-020* CALL	93231A101-020* CALL	94031A101-020* CALL	95031A101-020* CALL	520
2-1/2	---	---	---	95021A101-025* CALL	---	---	---	95031A101-025* CALL	520
3	---	---	---	95021A101-030* CALL	---	---	---	95031A101-030* CALL	520
4	---	---	---	95021A101-040* CALL	---	---	---	95031A101-040* CALL	520

PVC - Elastomer Backed Diaphragms

Material	EPDM O-ring & EPDM Backed PTFE Diaphragm				FKM O-ring & EPDM Backed PTFE Diaphragm				Prod Code
	Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Joint Size	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	
1/2	91151A101-005* CALL	93151A101-005* CALL	94051A101-005* CALL	95051A101-005* CALL	91251A101-005* CALL	93251A101-005* CALL	---	---	520
3/4	91151A101-007* CALL	93151A101-007* CALL	94051A101-007* CALL	95051A101-007* CALL	91251A101-007* CALL	93251A101-007* CALL	---	---	520
1	91151A101-010* CALL	93151A101-010* CALL	94051A101-010* CALL	95051A101-010* CALL	91251A101-010* CALL	93251A101-010* CALL	---	---	520
1-1/4	91151A101-012* CALL	93151A101-012* CALL	94051A101-012* CALL	95051A101-012* CALL	91251A101-012* CALL	93251A101-012* CALL	---	---	520
1-1/2	91151A101-015* CALL	93151A101-015* CALL	94051A101-015* CALL	95051A101-015* CALL	91251A101-015* CALL	93251A101-015* CALL	---	---	520
2	91151A101-020* CALL	93151A101-020* CALL	94051A101-020* CALL	95051A101-020* CALL	91251A101-020* CALL	93251A101-020* CALL	---	---	520
2-1/2	---	---	---	95051A101-025* CALL	---	---	---	---	520
3	---	---	---	95051A101-030* CALL	---	---	---	---	520
4	---	---	---	95051A101-040* CALL	---	---	---	---	520



Actuated Valves Product
Premium Actuated Diaphragm Valve - Electric

CPVC - EPDM and FKM Diaphragms

Material	EPDM O-ring & EPDM Diaphragm				FKM O-ring & FKM Diaphragm				Prod Code
Joint	Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	
1/2	91122A101-005* CALL	93122A101-005* CALL	94022A101-005* CALL	95022A101-005* CALL	91232A101-005* CALL	93232A101-005* CALL	94032A101-005* CALL	95032A101-005* CALL	522
3/4	91122A101-007* CALL	93122A101-007* CALL	94022A101-007* CALL	95022A101-007* CALL	91232A101-007* CALL	93232A101-007* CALL	94032A101-007* CALL	95032A101-007* CALL	522
1	91122A101-010* CALL	93122A101-010* CALL	94022A101-010* CALL	95022A101-010* CALL	91232A101-010* CALL	93232A101-010* CALL	94032A101-010* CALL	95032A101-010* CALL	522
1-1/4	91122A101-012* CALL	93122A101-012* CALL	94022A101-012* CALL	95022A101-012* CALL	91232A101-012* CALL	93232A101-012* CALL	94032A101-012* CALL	95032A101-012* CALL	522
1-1/2	91122A101-015* CALL	93122A101-015* CALL	94022A101-015* CALL	95022A101-015* CALL	91232A101-015* CALL	93232A101-015* CALL	94032A101-015* CALL	95032A101-015* CALL	522
2	91122A101-020* CALL	93122A101-020* CALL	94022A101-020* CALL	95022A101-020* CALL	91232A101-020* CALL	93232A101-020* CALL	94032A101-020* CALL	95032A101-020* CALL	522
2-1/2	---	---	---	95022A101-025* CALL	---	---	---	95032A101-025* CALL	522
3	---	---	---	95022A101-030* CALL	---	---	---	95032A101-030* CALL	522
4	---	---	---	95022A101-040* CALL	---	---	---	95032A101-040* CALL	522

CPVC Premium Actuated Diaphragm Valves - Electric

Material	EPDM O-ring & EPDM Backed PTFE Diaphragm				FKM O-ring & EPDM Backed PTFE Diaphragm				Prod Code
Joint	Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #	
1/2	91152A101-005* CALL	93152A101-005* CALL	94052A101-005* CALL	95052A101-005* CALL	91252A101-005* CALL	93252A101-005* CALL	---	---	522
3/4	91152A101-007* CALL	93152A101-007* CALL	94052A101-007* CALL	95052A101-007* CALL	91252A101-007* CALL	93252A101-007* CALL	---	---	522
1	91152A101-010* CALL	93152A101-010* CALL	94052A101-010* CALL	95052A101-010* CALL	91252A101-010* CALL	93252A101-010* CALL	---	---	522
1-1/4	91152A101-012* CALL	93152A101-012* CALL	94052A101-012* CALL	95052A101-012* CALL	91252A101-012* CALL	93252A101-012* CALL	---	---	522
1-1/2	91152A101-015* CALL	93152A101-015* CALL	94052A101-015* CALL	95052A101-015* CALL	91252A101-015* CALL	93252A101-015* CALL	---	---	522
2	91152A101-020* CALL	93152A101-020* CALL	94052A101-020* CALL	95052A101-020* CALL	91252A101-020* CALL	93252A101-020* CALL	---	---	522
2-1/2	---	---	---	95052A101-025* CALL	---	---	---	---	522
3	---	---	---	95052A101-030* CALL	---	---	---	---	522
4	---	---	---	95052A101-040* CALL	---	---	---	---	522

Actuated Valves Product
Premium Actuated Diaphragm Valve - Electric



Premium Actuated Diaphragm Valve - Electric
Polypropylene - EPDM O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2	93123A101-005* CALL	---	524
3/4	93123A101-007* CALL	---	524
1	93123A101-010* CALL	---	524
1-1/4	93123A101-012* CALL	---	524
1-1/2	93123A101-015* CALL	---	524
2	93123A101-020* CALL	---	524
2-1/2	---	95023A101-025* CALL	524
3	---	95023A101-030* CALL	524
4	---	95023A101-040* CALL	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene - FKM O-ring and FKM Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2	93233A101-005* CALL	---	524
3/4	93233A101-007* CALL	---	524
1	93233A101-010* CALL	---	524
1-1/4	93233A101-012* CALL	---	524
1-1/2	93233A101-015* CALL	---	524
2	93233A101-020* CALL	---	524
2-1/2	---	95033A101-025* CALL	524
3	---	95033A101-030* CALL	524
4	---	95033A101-040* CALL	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2	93153A101-005* CALL	---	524
3/4	93153A101-007* CALL	---	524
1	93153A101-010* CALL	---	524

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	SR Thread	Flanged	Prod Code
1-1/4	93153A101-012* CALL	---	524
1-1/2	93153A101-015* CALL	---	524
2	93153A101-020* CALL	---	524
2-1/2	---	95053A101-025* CALL	524
3	---	95053A101-030* CALL	524
4	---	95053A101-040* CALL	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene Premium Actuated Diaphragm Valves -Electric

Size	SR Thread	Flanged	Prod Code
1/2	93253A101-005* CALL	---	524
3/4	93253A101-007* CALL	---	524
1	93253A101-010* CALL	---	524
1-1/4	93253A101-012* CALL	---	524
1-1/2	93253A101-015* CALL	---	524
2	93253A101-020* CALL	---	524

NOTE: O-rings used on SR Thread End Connectors only.



Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids or slurries.

- Compact, Light Weight Design
- True Union Socket/Thread, SR Thread, or Spigot End Connections - sizes 1/2"-2" Pressure Rated to 235 psi @ 73°F (23°C)
- Flanged Ends (& PTFE diaphragms) - sizes 1/2" - 2" Pressure Rated to 150 psi @ 73°F (23°C)
- Corrosion Resistant Plastic Housing
- Stainless Steel Hardware
- 90 psi Operating Pressure
- Max Pressure 120 psi Do Not Exceed
- Linear Action Operation with Preset Stops
- Air-Air, Air-Spring Closed, or Optional Air-Spring Open

NOTE: "Socket" valves include standard plastic thread end connectors.

PVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91121H850-005* CALL	93121H850-005* CALL	94021H850-005* CALL	95021H850-005* CALL	550
3/4 Air to Air	91121H850-007* CALL	93121H850-007* CALL	94021H850-007* CALL	95021H850-007* CALL	550
1 Air to Air	91121H850-010* CALL	93121H850-010* CALL	94021H850-010* CALL	95021H850-010* CALL	550
1-1/4 Air to Air	91121H850-012* CALL	93121H850-012* CALL	94021H850-012* CALL	95021H850-012* CALL	550
1-1/2 Air to Air	91121H850-015* CALL	93121H850-015* CALL	94021H850-015* CALL	95021H850-015* CALL	550
2 Air to Air	91121H850-020* CALL	93121H850-020* CALL	94021H850-020* CALL	95021H850-020* CALL	550
1/2 Air to Spring Close	91121J850-005* CALL	93121J850-005* CALL	94021J850-005* CALL	95021J850-005* CALL	550
3/4 Air to Spring Close	91121J850-007* CALL	93121J850-007* CALL	94021J850-007* CALL	95021J850-007* CALL	550
1 Air to Spring Close	91121J850-010* CALL	93121J850-010* CALL	94021J850-010* CALL	95021J850-010* CALL	550
1-1/4 Air to Spring Close	91121J850-012* CALL	93121J850-012* CALL	94021J850-012* CALL	95021J850-012* CALL	550
1-1/2 Air to Spring Close	91121J850-015* CALL	93121J850-015* CALL	94021J850-015* CALL	95021J850-015* CALL	550
2 Air to Spring Close	91121J850-020* CALL	93121J850-020* CALL	94021J850-020* CALL	95021J850-020* CALL	550
1/2 Air to Spring Open	91121K850-005* CALL	93121K850-005* CALL	94021K850-005* CALL	95021K850-005* CALL	550
3/4 Air to Spring Open	91121K850-007* CALL	93121K850-007* CALL	94021K850-007* CALL	95021K850-007* CALL	550
1 Air to Spring Open	91121K850-010* CALL	93121K850-010* CALL	94021K850-010* CALL	95021K850-010* CALL	550
1-1/4 Air to Spring Open	91121K850-012* CALL	93121K850-012* CALL	94021K850-012* CALL	95021K850-012* CALL	550
1-1/2 Air to Spring Open	91121K850-015* CALL	93121K850-015* CALL	94021K850-015* CALL	95021K850-015* CALL	550
2 Air to Spring Open	91121K850-020* CALL	93121K850-020* CALL	94021K850-020* CALL	95021K850-020* CALL	550

PVC - FKM O-ring and FKM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91231H850-005* CALL	93231H850-005* CALL	94031H850-005* CALL	95031H850-005* CALL	550
3/4 Air to Air	91231H850-007* CALL	93231H850-007* CALL	94031H850-007* CALL	95031H850-007* CALL	550

Actuated Valves Product
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



PVC - FKM O-ring and FKM Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1 Air to Air	91231H850-010* CALL	93231H850-010* CALL	94031H850-010* CALL	95031H850-010* CALL	550
1-1/4 Air to Air	91231H850-012* CALL	93231H850-012* CALL	94031H850-012* CALL	95031H850-012* CALL	550
1-1/2 Air to Air	91231H850-015* CALL	93231H850-015* CALL	94031H850-015* CALL	95031H850-015* CALL	550
2 Air to Air	91231H850-020* CALL	93231H850-020* CALL	94031H850-020* CALL	95031H850-020* CALL	550
1/2 Air to Spring Close	91231J850-005* CALL	93231J850-005* CALL	94031J850-005* CALL	95031J850-005* CALL	550
3/4 Air to Spring Close	91231J850-007* CALL	93231J850-007* CALL	94031J850-007* CALL	95031J850-007* CALL	550
1 Air to Spring Close	91231J850-010* CALL	93231J850-010* CALL	94031J850-010* CALL	95031J850-010* CALL	550
1-1/4 Air to Spring Close	91231J850-012* CALL	93231J850-012* CALL	94031J850-012* CALL	95031J850-012* CALL	550
1-1/2 Air to Spring Close	91231J850-015* CALL	93231J850-015* CALL	94031J850-015* CALL	95031J850-015* CALL	550
2 Air to Spring Close	91231J850-020* CALL	93231J850-020* CALL	94031J850-020* CALL	95031J850-020* CALL	550
1/2 Air to Spring Open	91231K850-005* CALL	93231K850-005* CALL	94031K850-005* CALL	95031K850-005* CALL	550
3/4 Air to Spring Open	91231K850-007* CALL	93231K850-007* CALL	94031K850-007* CALL	95031K850-007* CALL	550
1 Air to Spring Open	91231K850-010* CALL	93231K850-010* CALL	94031K850-010* CALL	95031K850-010* CALL	550
1-1/4 Air to Spring Open	91231K850-012* CALL	93231K850-012* CALL	94031K850-012* CALL	95031K850-012* CALL	550
1-1/2 Air to Spring Open	91231K850-015* CALL	93231K850-015* CALL	94031K850-015* CALL	95031K850-015* CALL	550
2 Air to Spring Open	91231K850-020* CALL	93231K850-020* CALL	94031K850-020* CALL	95031K850-020* CALL	550

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91151H850-005* CALL	93151H850-005* CALL	94051H850-005* CALL	95051H850-005* CALL	550
3/4 Air to Air	91151H850-007* CALL	93151H850-007* CALL	94051H850-007* CALL	95051H850-007* CALL	550
1 Air to Air	91151H850-010* CALL	93151H850-010* CALL	94051H850-010* CALL	95051H850-010* CALL	550
1-1/4 Air to Air	91151H850-012* CALL	93151H850-012* CALL	94051H850-012* CALL	95051H850-012* CALL	550
1-1/2 Air to Air	91151H850-015* CALL	93151H850-015* CALL	94051H850-015* CALL	95051H850-015* CALL	550
2 Air to Air	91151H850-020* CALL	93151H850-020* CALL	94051H850-020* CALL	95051H850-020* CALL	550
1/2 Air to Spring Close	91151J850-005* CALL	93151J850-005* CALL	94051J850-005* CALL	95051J850-005* CALL	550
3/4 Air to Spring Close	91151J850-007* CALL	93151J850-007* CALL	94051J850-007* CALL	95051J850-007* CALL	550
1 Air to Spring Close	91151J850-010* CALL	93151J850-010* CALL	94051J850-010* CALL	95051J850-010* CALL	550
1-1/4 Air to Spring Close	91151J850-012* CALL	93151J850-012* CALL	94051J850-012* CALL	95051J850-012* CALL	550



Actuated Valves Product

Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1-1/2 Air to Spring Close	91151J850-015* CALL	93151J850-015* CALL	94051J850-015* CALL	95051J850-015* CALL	550
2 Air to Spring Close	91151J850-020* CALL	93151J850-020* CALL	94051J850-020* CALL	95051J850-020* CALL	550
1/2 Air to Spring Open	91151K850-005* CALL	93151K850-005* CALL	94051K850-005* CALL	95051K850-005* CALL	550
3/4 Air to Spring Open	91151K850-007* CALL	93151K850-007* CALL	94051K850-007* CALL	95051K850-007* CALL	550
1 Air to Spring Open	91151K850-010* CALL	93151K850-010* CALL	94051K850-010* CALL	95051K850-010* CALL	550
1-1/4 Air to Spring Open	91151K850-012* CALL	93151K850-012* CALL	94051K850-012* CALL	95051K850-012* CALL	550
1-1/2 Air to Spring Open	91151K850-015* CALL	93151K850-015* CALL	94051K850-015* CALL	95051K850-015* CALL	550
2 Air to Spring Open	91151K850-020* CALL	93151K850-020* CALL	94051K850-020* CALL	95051K850-020* CALL	550

PVC - FKM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Flanged	Spigot	Prod Code
1/2 Air to Air	91251H850-005* CALL	93251H850-005* CALL	---	---	550
3/4 Air to Air	91251H850-007* CALL	93251H850-007* CALL	---	---	550
1 Air to Air	91251H850-010* CALL	93251H850-010* CALL	---	---	550
1-1/4 Air to Air	91251H850-012* CALL	93251H850-012* CALL	---	---	550
1-1/2 Air to Air	91251H850-015* CALL	93251H850-015* CALL	---	---	550
2 Air to Air	91251H850-020* CALL	93251H850-020* CALL	---	---	550
1/2 Air to Spring Close	91251J850-005* CALL	93251J850-005* CALL	---	---	550
3/4 Air to Spring Close	91251J850-007* CALL	93251J850-007* CALL	---	---	550
1 Air to Spring Close	91251J850-010* CALL	93251J850-010* CALL	---	---	550
1-1/4 Air to Spring Close	91251J850-012* CALL	93251J850-012* CALL	---	---	550
1-1/2 Air to Spring Close	91251J850-015* CALL	93251J850-015* CALL	---	---	550
2 Air to Spring Close	91251J850-020* CALL	93251J850-020* CALL	---	---	550
1/2 Air to Spring Open	91251K850-005* CALL	93251K850-005* CALL	---	---	550
3/4 Air to Spring Open	91251K850-007* CALL	93251K850-007* CALL	---	---	550
1 Air to Spring Open	91251K850-010* CALL	93251K850-010* CALL	---	---	550
1-1/4 Air to Spring Open	91251K850-012* CALL	93251K850-012* CALL	---	---	550
1-1/2 Air to Spring Open	91251K850-015* CALL	93251K850-015* CALL	---	---	550
2 Air to Spring Open	91251K850-020* CALL	93251K850-020* CALL	---	---	550

Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



CPVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91122H850-005* CALL	93122H850-005* CALL	94022H850-005* CALL	95022H850-005* CALL	552
3/4 Air to Air	91122H850-007* CALL	93122H850-007* CALL	94022H850-007* CALL	95022H850-007* CALL	552
1 Air to Air	91122H850-010* CALL	93122H850-010* CALL	94022H850-010* CALL	95022H850-010* CALL	552
1-1/4 Air to Air	91122H850-012* CALL	93122H850-012* CALL	94022H850-012* CALL	95022H850-012* CALL	552
1-1/2 Air to Air	91122H850-015* CALL	93122H850-015* CALL	94022H850-015* CALL	95022H850-015* CALL	552
2 Air to Air	91122H850-020* CALL	93122H850-020* CALL	94022H850-020* CALL	95022H850-020* CALL	552
1/2 Air to Spring Close	91122J850-005* CALL	93122J850-005* CALL	94022J850-005* CALL	95022J850-005* CALL	552
3/4 Air to Spring Close	91122J850-007* CALL	93122J850-007* CALL	94022J850-007* CALL	95022J850-007* CALL	552
1 Air to Spring Close	91122J850-010* CALL	93122J850-010* CALL	94022J850-010* CALL	95022J850-010* CALL	552
1-1/4 Air to Spring Close	91122J850-012* CALL	93122J850-012* CALL	94022J850-012* CALL	95022J850-012* CALL	552
1-1/2 Air to Spring Close	91122J850-015* CALL	93122J850-015* CALL	94022J850-015* CALL	95022J850-015* CALL	552
2 Air to Spring Close	91122J850-020* CALL	93122J850-020* CALL	94022J850-020* CALL	95022J850-020* CALL	552
1/2 Air to Spring Open	91122K850-005* CALL	93122K850-005* CALL	94022K850-005* CALL	95022K850-005* CALL	552
3/4 Air to Spring Open	91122K850-007* CALL	93122K850-007* CALL	94022K850-007* CALL	95022K850-007* CALL	552
1 Air to Spring Open	91122K850-010* CALL	93122K850-010* CALL	94022K850-010* CALL	95022K850-010* CALL	552
1-1/4 Air to Spring Open	91122K850-012* CALL	93122K850-012* CALL	94022K850-012* CALL	95022K850-012* CALL	552
1-1/2 Air to Spring Open	91122K850-015* CALL	93122K850-015* CALL	94022K850-015* CALL	95022K850-015* CALL	552
2 Air to Spring Open	91122K850-020* CALL	93122K850-020* CALL	94022K850-020* CALL	95022K850-020* CALL	552

CPVC - FKM O-ring and FKM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91232H850-005* CALL	93232H850-005* CALL	94032H850-005* CALL	95032H850-005* CALL	552
3/4 Air to Air	91232H850-007* CALL	93232H850-007* CALL	94032H850-007* CALL	95032H850-007* CALL	552
1 Air to Air	91232H850-010* CALL	93232H850-010* CALL	94032H850-010* CALL	95032H850-010* CALL	552
1-1/4 Air to Air	91232H850-012* CALL	93232H850-012* CALL	94032H850-012* CALL	95032H850-012* CALL	552
1-1/2 Air to Air	91232H850-015* CALL	93232H850-015* CALL	94032H850-015* CALL	95032H850-015* CALL	552
2 Air to Air	91232H850-020* CALL	93232H850-020* CALL	94032H850-020* CALL	95032H850-020* CALL	552
1/2 Air to Spring Close	91232J850-005* CALL	93232J850-005* CALL	94032J850-005* CALL	95032J850-005* CALL	552
3/4 Air to Spring Close	91232J850-007* CALL	93232J850-007* CALL	94032J850-007* CALL	95032J850-007* CALL	552



Actuated Valves Product

Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

CPVC - FKM O-ring and FKM Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1 Air to Spring Close	91232J850-010* CALL	93232J850-010* CALL	94032J850-010* CALL	95032J850-010* CALL	552
1-1/4 Air to Spring Close	91232J850-012* CALL	93232J850-012* CALL	94032J850-012* CALL	95032J850-012* CALL	552
1-1/2 Air to Spring Close	91232J850-015* CALL	93232J850-015* CALL	94032J850-015* CALL	95032J850-015* CALL	552
2 Air to Spring Close	91232J850-020* CALL	93232J850-020* CALL	94032J850-020* CALL	95032J850-020* CALL	552
1/2 Air to Spring Open	91232K850-005* CALL	93232K850-005* CALL	94032K850-005* CALL	95032K850-005* CALL	552
3/4 Air to Spring Open	91232K850-007* CALL	93232K850-007* CALL	94032K850-007* CALL	95032K850-007* CALL	552
1 Air to Spring Open	91232K850-010* CALL	93232K850-010* CALL	94032K850-010* CALL	95032K850-010* CALL	552
1-1/4 Air to Spring Open	91232K850-012* CALL	93232K850-012* CALL	94032K850-012* CALL	95032K850-012* CALL	552
1-1/2 Air to Spring Open	91232K850-015* CALL	93232K850-015* CALL	94032K850-015* CALL	95032K850-015* CALL	552
2 Air to Spring Open	91232K850-020* CALL	93232K850-020* CALL	94032K850-020* CALL	95032K850-020* CALL	552

CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91152H850-005* CALL	93152H850-005* CALL	94052H850-005* CALL	95052H850-005* CALL	552
3/4 Air to Air	91152H850-007* CALL	93152H850-007* CALL	94052H850-007* CALL	95052H850-007* CALL	552
1 Air to Air	91152H850-010* CALL	93152H850-010* CALL	94052H850-010* CALL	95052H850-010* CALL	552
1-1/4 Air to Air	91152H850-012* CALL	93152H850-012* CALL	94052H850-012* CALL	95052H850-012* CALL	552
1-1/2 Air to Air	91152H850-015* CALL	93152H850-015* CALL	94052H850-015* CALL	95052H850-015* CALL	552
2 Air to Air	91152H850-020* CALL	93152H850-020* CALL	94052H850-020* CALL	95052H850-020* CALL	552
1/2 Air to Spring Close	91152J850-005* CALL	93152J850-005* CALL	94052J850-005* CALL	95052J850-005* CALL	552
3/4 Air to Spring Close	91152J850-007* CALL	93152J850-007* CALL	94052J850-007* CALL	95052J850-007* CALL	552
1 Air to Spring Close	91152J850-010* CALL	93152J850-010* CALL	94052J850-010* CALL	95052J850-010* CALL	552
1-1/4 Air to Spring Close	91152J850-012* CALL	93152J850-012* CALL	94052J850-012* CALL	95052J850-012* CALL	552
1-1/2 Air to Spring Close	91152J850-015* CALL	93152J850-015* CALL	94052J850-015* CALL	95052J850-015* CALL	552
2 Air to Spring Close	91152J850-020* CALL	93152J850-020* CALL	94052J850-020* CALL	95052J850-020* CALL	552
1/2 Air to Spring Open	91152K850-005* CALL	93152K850-005* CALL	94052K850-005* CALL	95052K850-005* CALL	552
3/4 Air to Spring Open	91152K850-007* CALL	93152K850-007* CALL	94052K850-007* CALL	95052K850-007* CALL	552
1 Air to Spring Open	91152K850-010* CALL	93152K850-010* CALL	94052K850-010* CALL	95052K850-010* CALL	552
1-1/4 Air to Spring Open	91152K850-012* CALL	93152K850-012* CALL	94052K850-012* CALL	95052K850-012* CALL	552

Actuated Valves Product
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1-1/2 Air to Spring Open	91152K850-015*	93152K850-015*	94052K850-015*	95052K850-015*	552
	CALL	CALL	CALL	CALL	
2 Air to Spring Open	91152K850-020*	93152K850-020*	94052K850-020*	95052K850-020*	552
	CALL	CALL	CALL	CALL	



Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

CPVC - FKM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	91252H850-005* CALL	93252H850-005* CALL	552
3/4 Air to Air	91252H850-007* CALL	93252H850-007* CALL	552
1 Air to Air	91252H850-010* CALL	93252H850-010* CALL	552
1-1/4 Air to Air	91252H850-012* CALL	93252H850-012* CALL	552
1-1/2 Air to Air	91252H850-015* CALL	93252H850-015* CALL	552
2 Air to Air	91252H850-020* CALL	93252H850-020* CALL	552
1/2 Air to Spring Close	91252J850-005* CALL	93252J850-005* CALL	552
3/4 Air to Spring Close	91252J850-007* CALL	93252J850-007* CALL	552
1 Air to Spring Close	91252J850-010* CALL	93252J850-010* CALL	552
1-1/4 Air to Spring Close	91252J850-012* CALL	93252J850-012* CALL	552
1-1/2 Air to Spring Close	91252J850-015* CALL	93252J850-015* CALL	552
2 Air to Spring Close	91252J850-020* CALL	93252J850-020* CALL	552
1/2 Air to Spring Open	91252K850-005* CALL	93252K850-005* CALL	552
3/4 Air to Spring Open	91252K850-007* CALL	93252K850-007* CALL	552
1 Air to Spring Open	91252K850-010* CALL	93252K850-010* CALL	552
1-1/4 Air to Spring Open	91252K850-012* CALL	93252K850-012* CALL	552
1-1/2 Air to Spring Open	91252K850-015* CALL	93252K850-015* CALL	552
2 Air to Spring Open	91252K850-020* CALL	93252K850-020* CALL	552

Polypropylene - EPDM O-ring and EPDM Diaphragm SR Thread

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	---	93123H850-005* CALL	554
3/4 Air to Air	---	93123H850-007* CALL	554
1 Air to Air	---	93123H850-010* CALL	554
1-1/4 Air to Air	---	93123H850-012* CALL	554
1-1/2 Air to Air	---	93123H850-015* CALL	554
2 Air to Air	---	93123H850-020* CALL	554
1/2 Air to Spring Close	---	93123J850-005* CALL	554
3/4 Air to Spring Close	---	93123J850-007* CALL	554
1 Air to Spring Close	---	93123J850-010* CALL	554

Polypropylene - EPDM O-ring and EPDM Diaphragm SR Thread (continued)

Size	Socket	SR Thread	Prod Code
1-1/4 Air to Spring Close	---	93123J850-012* CALL	554
1-1/2 Air to Spring	---	93123J850-015* CALL	554
2 Air to Spring Close	---	93123J850-020* CALL	554
1/2 Air to Spring Open	---	93123K850-005* CALL	554
3/4 Air to Spring Open	---	93123K850-007* CALL	554
1 Air to Spring Open	---	93123K850-010* CALL	554
1-1/4 Air to Spring Open	---	93123K850-012* CALL	554
1-1/2 Air to Spring Open	---	93123K850-015* CALL	554
2 Air to Spring Open	---	93123K850-020* CALL	554

Polypropylene - FKM O-ring and FKM Diaphragm SR Thread

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	---	93233H850-005* CALL	554
3/4 Air to Air	---	93233H850-007* CALL	554
1 Air to Air	---	93233H850-010* CALL	554
1-1/4 Air to Air	---	93233H850-012* CALL	554
1-1/2 Air to Air	---	93233H850-015* CALL	554
2 Air to Air	---	93233H850-020* CALL	554
1/2 Air to Spring Close	---	93233J850-005* CALL	554
3/4 Air to Spring Close	---	93233J850-007* CALL	554
1 Air to Spring Close	---	93233J850-010* CALL	554
1-1/4 Air to Spring Close	---	93233J850-012* CALL	554
1-1/2 Air to Spring Close	---	93233J850-015* CALL	554
2 Air to Spring Close	---	93233J850-020* CALL	554
1/2 Air to Spring Open	---	93233K850-005* CALL	554
3/4 Air to Spring Open	---	93233K850-007* CALL	554
1 Air to Spring Open	---	93233K850-010* CALL	554
1-1/4 Air to Spring Open	---	93233K850-012* CALL	554
1-1/2 Air to Spring Open	---	93233K850-015* CALL	554
2 Air to Spring Open	---	93233K850-020* CALL	554

Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm SR Thread

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	---	93153H850-005* CALL	554
3/4 Air to Air	---	93153H850-007* CALL	554
1 Air to Air	---	93153H850-010* CALL	554
1-1/4 Air to Air	---	93153H850-012* CALL	554
1-1/2 Air to Air	---	93153H850-015* CALL	554
2 Air to Air	---	93153H850-020* CALL	554
1/2 Air to Spring Close	---	93153J850-005* CALL	554
3/4 Air to Spring Close	---	93153J850-007* CALL	554
1 Air to Spring Close	---	93153J850-010* CALL	554
1-1/4 Air to Spring Close	---	93153J850-012* CALL	554
1-1/2 Air to Spring Close	---	93153J850-015* CALL	554
2 Air to Spring Close	---	93153J850-020* CALL	554
1/2 Air to Spring Open	---	93153K850-005* CALL	554
3/4 Air to Spring Open	---	93153K850-007* CALL	554
1 Air to Spring Open	---	93153K850-010* CALL	554
1-1/4 Air to Spring Open	---	93153K850-012* CALL	554
1-1/2 Air to Spring Open	---	93153K850-015* CALL	554
2 Air to Spring Open	---	93153K850-020* CALL	554

Polypropylene - FKM O-ring and EPDM Backed PTFE Diaphragm SR Thread

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	---	93253H850-005* CALL	554
3/4 Air to Air	---	93253H850-007* CALL	554
1 Air to Air	---	93253H850-010* CALL	554
1-1/4 Air to Air	---	93253H850-012* CALL	554
1-1/2 Air to Air	---	93253H850-015* CALL	554
2 Air to Air	---	93253H850-020* CALL	554
1/2 Air to Spring Close	---	93253J850-005* CALL	554

Polypropylene - FKM O-ring and EPDM Backed PTFE Diaphragm SR Thread (continued)

Size	Socket	SR Thread	Prod Code
3/4 Air to Spring Close	---	93253J850-007* CALL	554
1 Air to Spring Close	---	93253J850-010* CALL	554
1-1/4 Air to Spring Close	---	93253J850-012* CALL	554
1-1/2 Air to Spring Close	---	93253J850-015* CALL	554
2 Air to Spring Close	---	93253J850-020* CALL	554
1/2 Air to Spring Open	---	93253K850-005* CALL	554
3/4 Air to Spring Open	---	93253K850-007* CALL	554
1 Air to Spring Open	---	93253K850-010* CALL	554
1-1/4 Air to Spring Open	---	93253K850-012* CALL	554
1-1/2 Air to Spring Open	---	93253K850-015* CALL	554
2 Air to Spring Open	---	93253K850-020* CALL	554



Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids. Full-featured actuator can be custom configured with add-on accessories.

- Stainless Steel Hardware
- 235 psi @ 73°F (23°C) - sizes 1/2" - 2" (flanged & PTFE diaphragm-150 psi), 2-1/2" - 4"-150 psi
- 80 psi Operating Pressure
- Linear Action Operation with Preset Stops
- Air-Air or Air-Spring Closed (optional spring open)

See **Pneumatic Actuator Accessories for Diaphragm Valves** for Add-on Actuator Accessories

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

PVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91121H100-005* CALL	93121H100-005* CALL	94021H100-005* CALL	95021H100-005* CALL	550
1/2 Air to Spring	91121J100-005* CALL	93121J100-005* CALL	94021J100-005* CALL	95021J100-005* CALL	550
3/4 Air to Air	91121H100-007* CALL	93121H100-007* CALL	94021H100-007* CALL	95021H100-007* CALL	550
3/4 Air to Spring	91121J100-007* CALL	93121J100-007* CALL	94021J100-007* CALL	95021J100-007* CALL	550
1 Air to Air	91121H100-010* CALL	93121H100-010* CALL	94021H100-010* CALL	95021H100-010* CALL	550
1 Air to Spring	91121J100-010* CALL	93121J100-010* CALL	94021J100-010* CALL	95021J100-010* CALL	550
1-1/4 Air to Air	91121H100-012* CALL	93121H100-012* CALL	94021H100-012* CALL	95021H100-012* CALL	550
1-1/4 Air to Spring	91121J100-012* CALL	93121J100-012* CALL	94021J100-012* CALL	95021J100-012* CALL	550
1-1/2 Air to Air	91121H100-015* CALL	93121H100-015* CALL	94021H100-015* CALL	95021H100-015* CALL	550
1-1/2 Air to Spring	91121J100-015* CALL	93121J100-015* CALL	94021J100-015* CALL	95021J100-015* CALL	550
2 Air to Air	91121H100-020* CALL	93121H100-020* CALL	94021H100-020* CALL	95021H100-020* CALL	550
2 Air to Spring	91121J100-020* CALL	93121J100-020* CALL	94021J100-020* CALL	95021J100-020* CALL	550
2-1/2 Air to Air	---	---	---	95021H100-025* CALL	550
2-1/2 Air to Spring	---	---	---	95021J100-025* CALL	550
3 Air to Air	---	---	---	95021H100-030* CALL	550
3 Air to Spring	---	---	---	95021J100-030* CALL	550
4 Air to Air	---	---	---	95021H100-040* CALL	550
4 Air to Spring	---	---	---	95021J100-040* CALL	550
6 Air to Spring	---	---	---	95021J100-060* CALL	550

Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic



PVC - FKM O-ring and FKM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91231H100-005* CALL	93231H100-005* CALL	94031H100-005* CALL	95031H100-005* CALL	550
1/2 Air to Spring	91231J100-005* CALL	93231J100-005* CALL	94031J100-005* CALL	95031J100-005* CALL	550
3/4 Air to Air	91231H100-007* CALL	93231H100-007* CALL	94031H100-007* CALL	95031H100-007* CALL	550
3/4 Air to Spring	91231J100-007* CALL	93231J100-007* CALL	94031J100-007* CALL	95031J100-007* CALL	550
1 Air to Air	91231H100-010* CALL	93231H100-010* CALL	94031H100-010* CALL	95031H100-010* CALL	550
1 Air to Spring	91231J100-010* CALL	93231J100-010* CALL	94031J100-010* CALL	95031J100-010* CALL	550
1-1/4 Air to Air	91231H100-012* CALL	93231H100-012* CALL	94031H100-012* CALL	95031H100-012* CALL	550
1-1/4 Air to Spring	91231J100-012* CALL	93231J100-012* CALL	94031J100-012* CALL	95031J100-012* CALL	550
1-1/2 Air to Air	91231H100-015* CALL	93231H100-015* CALL	94031H100-015* CALL	95031H100-015* CALL	550
1-1/2 Air to Spring	91231J100-015* CALL	93231J100-015* CALL	94031J100-015* CALL	95031J100-015* CALL	550
2 Air to Air	91231H100-020* CALL	93231H100-020* CALL	94031H100-020* CALL	95031H100-020* CALL	550
2 Air to Spring	91231J100-020* CALL	93231J100-020* CALL	94031J100-020* CALL	95031J100-020* CALL	550
2-1/2 Air to Air	---	---	---	95031H100-025* CALL	550
2-1/2 Air to Spring	---	---	---	95031J100-025* CALL	550
3 Air to Air	---	---	---	95031H100-030* CALL	550
3 Air to Spring	---	---	---	95031J100-030* CALL	550
4 Air to Air	---	---	---	95031H100-040* CALL	550
4 Air to Spring	---	---	---	95031J100-040* CALL	550

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91151H100-005* CALL	93151H100-005* CALL	94051H100-005* CALL	95051H100-005* CALL	550
1/2 Air to Spring	91151J100-005* CALL	93151J100-005* CALL	94051J100-005* CALL	95051J100-005* CALL	550
3/4 Air to Air	91151H100-007* CALL	93151H100-007* CALL	94051H100-007* CALL	95051H100-007* CALL	550
3/4 Air to Spring	91151J100-007* CALL	93151J100-007* CALL	94051J100-007* CALL	95051J100-007* CALL	550
1 Air to Air	91151H100-010* CALL	93151H100-010* CALL	94051H100-010* CALL	95051H100-010* CALL	550
1 Air to Spring	91151J100-010* CALL	93151J100-010* CALL	94051J100-010* CALL	95051J100-010* CALL	550
1-1/4 Air to Air	91151H100-012* CALL	93151H100-012* CALL	94051H100-012* CALL	95051H100-012* CALL	550
1-1/4 Air to Spring	91151J100-012* CALL	93151J100-012* CALL	94051J100-012* CALL	95051J100-012* CALL	550



Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1-1/2 Air to Air	91151H100-015* CALL	93151H100-015* CALL	94051H100-015* CALL	95051H100-015* CALL	550
1-1/2 Air to Spring	91151J100-015* CALL	93151J100-015* CALL	94051J100-015* CALL	95051J100-015* CALL	550
2 Air to Air	91151H100-020* CALL	93151H100-020* CALL	94051H100-020* CALL	95051H100-020* CALL	550
2 Air to Spring	91151J100-020* CALL	93151J100-020* CALL	94051J100-020* CALL	95051J100-020* CALL	550
2-1/2 Air to Air	---	---	---	95051H100-025* CALL	550
2-1/2 Air to Spring	---	---	---	95051J100-025* CALL	550
3 Air to Air	---	---	---	95051H100-030* CALL	550
3 Air to Spring	---	---	---	95051J100-030* CALL	550
4 Air to Air	---	---	---	95051H100-040* CALL	550
4 Air to Spring	---	---	---	95051J100-040* CALL	550

Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic



Premium Actuated Diaphragm Valve - Pneumatic
PVC - FKM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Prod Code
1/2 Air to Air	91251H100-005* CALL	93251H100-005* CALL	---	550
1/2 Air to Spring	91251J100-005* CALL	93251J100-005* CALL	---	550
3/4 Air to Air	91251H100-007* CALL	93251H100-007* CALL	---	550
3/4 Air to Spring	91251J100-007* CALL	93251J100-007* CALL	---	550
1 Air to Air	91251H100-010* CALL	93251H100-010* CALL	---	550
1 Air to Spring	91251J100-010* CALL	93251J100-010* CALL	---	550
1-1/4 Air to Air	91251H100-012* CALL	93251H100-012* CALL	---	550
1-1/4 Air to Spring	91251J100-012* CALL	93251J100-012* CALL	---	550
1-1/2 Air to Air	91251H100-015* CALL	93251H100-015* CALL	---	550
1-1/2 Air to Spring	91251J100-015* CALL	93251J100-015* CALL	---	550
2 Air to Air	91251H100-020* CALL	93251H100-020* CALL	---	550
2 Air to Spring	91251J100-020* CALL	93251J100-020* CALL	---	550

CPVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91122H100-005* CALL	93122H100-005* CALL	94022H100-005* CALL	95022H100-005* CALL	552
1/2 Air to Spring	91122J100-005* CALL	93122J100-005* CALL	94022J100-005* CALL	95022J100-005* CALL	552
3/4 Air to Air	91122H100-007* CALL	93122H100-007* CALL	94022H100-007* CALL	95022H100-007* CALL	552
3/4 Air to Spring	91122J100-007* CALL	93122J100-007* CALL	94022J100-007* CALL	95022J100-007* CALL	552
1 Air to Air	91122H100-010* CALL	93122H100-010* CALL	94022H100-010* CALL	95022H100-010* CALL	552
1 Air to Spring	91122J100-010* CALL	93122J100-010* CALL	94022J100-010* CALL	95022J100-010* CALL	552
1-1/4 Air to Air	91122H100-012* CALL	93122H100-012* CALL	94022H100-012* CALL	95022H100-012* CALL	552
1-1/4 Air to Spring	91122J100-012* CALL	93122J100-012* CALL	94022J100-012* CALL	95022J100-012* CALL	552
1-1/2 Air to Air	91122H100-015* CALL	93122H100-015* CALL	94022H100-015* CALL	95022H100-015* CALL	552
1-1/2 Air to Spring	91122J100-015* CALL	93122J100-015* CALL	94022J100-015* CALL	95022J100-015* CALL	552
2 Air to Air	91122H100-020* CALL	93122H100-020* CALL	94022H100-020* CALL	95022H100-020* CALL	552
2 Air to Spring	91122J100-020* CALL	93122J100-020* CALL	94022J100-020* CALL	95022J100-020* CALL	552
2-1/2 Air to Air	---	---	---	95022H100-025* CALL	552
2-1/2 Air to Spring	---	---	---	95022J100-025* CALL	552



Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic

CPVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91122H100-005* CALL	93122H100-005* CALL	94022H100-005* CALL	95022H100-005* CALL	552
1/2 Air to Spring	91122J100-005* CALL	93122J100-005* CALL	94022J100-005* CALL	95022J100-005* CALL	552
3/4 Air to Air	91122H100-007* CALL	93122H100-007* CALL	94022H100-007* CALL	95022H100-007* CALL	552
3/4 Air to Spring	91122J100-007* CALL	93122J100-007* CALL	94022J100-007* CALL	95022J100-007* CALL	552
1 Air to Air	91122H100-010* CALL	93122H100-010* CALL	94022H100-010* CALL	95022H100-010* CALL	552
1 Air to Spring	91122J100-010* CALL	93122J100-010* CALL	94022J100-010* CALL	95022J100-010* CALL	552
1-1/4 Air to Air	91122H100-012* CALL	93122H100-012* CALL	94022H100-012* CALL	95022H100-012* CALL	552
1-1/4 Air to Spring	91122J100-012* CALL	93122J100-012* CALL	94022J100-012* CALL	95022J100-012* CALL	552
1-1/2 Air to Air	91122H100-015* CALL	93122H100-015* CALL	94022H100-015* CALL	95022H100-015* CALL	552
1-1/2 Air to Spring	91122J100-015* CALL	93122J100-015* CALL	94022J100-015* CALL	95022J100-015* CALL	552
2 Air to Air	91122H100-020* CALL	93122H100-020* CALL	94022H100-020* CALL	95022H100-020* CALL	552
2 Air to Spring	91122J100-020* CALL	93122J100-020* CALL	94022J100-020* CALL	95022J100-020* CALL	552
2-1/2 Air to Air	---	---	---	95022H100-025* CALL	552
2-1/2 Air to Spring	---	---	---	95022J100-025* CALL	552
3 Air to Air	---	---	---	95022H100-030* CALL	552
3 Air to Spring	---	---	---	95022J100-030* CALL	552
4 Air to Air	---	---	---	95022H100-040* CALL	552
4 Air to Spring	---	---	---	95022J100-040* CALL	552

CPVC - FKM O-ring and FKM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91232H100-005* CALL	93232H100-005* CALL	94032H100-005* CALL	95032H100-005* CALL	552
1/2 Air to Spring	91232J100-005* CALL	93232J100-005* CALL	94032J100-005* CALL	95032J100-005* CALL	552
3/4 Air to Air	91232H100-007* CALL	93232H100-007* CALL	94032H100-007* CALL	95032H100-007* CALL	552
3/4 Air to Spring	91232J100-007* CALL	93232J100-007* CALL	94032J100-007* CALL	95032J100-007* CALL	552
1 Air to Air	91232H100-010* CALL	93232H100-010* CALL	94032H100-010* CALL	95032H100-010* CALL	552
1 Air to Spring	91232J100-010* CALL	93232J100-010* CALL	94032J100-010* CALL	95032J100-010* CALL	552
1-1/4 Air to Air	91232H100-012* CALL	93232H100-012* CALL	94032H100-012* CALL	95032H100-012* CALL	552
1-1/4 Air to Spring	91232J100-012* CALL	93232J100-012* CALL	94032J100-012* CALL	95032J100-012* CALL	552

Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic



CPVC - FKM O-ring and FKM Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1-1/2 Air to Air	91232H100-015* CALL	93232H100-015* CALL	94032H100-015* CALL	95032H100-015* CALL	552
1-1/2 Air to Spring	91232J100-015* CALL	93232J100-015* CALL	94032J100-015* CALL	95032J100-015* CALL	552
2 Air to Air	91232H100-020* CALL	93232H100-020* CALL	94032H100-020* CALL	95032H100-020* CALL	552
2 Air to Spring	91232J100-020* CALL	93232J100-020* CALL	94032J100-020* CALL	95032J100-020* CALL	552
2-1/2 Air to Air	---	---	---	95032H100-025* CALL	552
2-1/2 Air to Spring	---	---	---	95032J100-025* CALL	552
3 Air to Air	---	---	---	95032H100-030* CALL	552
3 Air to Spring	---	---	---	95032J100-030* CALL	552
4 Air to Air	---	---	---	95032H100-040* CALL	552
4 Air to Spring	---	---	---	95032J100-040* CALL	552

CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
1/2 Air to Air	91152H100-005* CALL	93152H100-005* CALL	94052H100-005* CALL	95052H100-005* CALL	552
1/2 Air to Spring	91152J100-005* CALL	93152J100-005* CALL	94052J100-005* CALL	95052J100-005* CALL	552
3/4 Air to Air	91152H100-007* CALL	93152H100-007* CALL	94052H100-007* CALL	95052H100-007* CALL	552
3/4 Air to Spring	91152J100-007* CALL	93152J100-007* CALL	94052J100-007* CALL	95052J100-007* CALL	552
1 Air to Air	91152H100-010* CALL	93152H100-010* CALL	94052H100-010* CALL	95052H100-010* CALL	552
1 Air to Spring	91152J100-010* CALL	93152J100-010* CALL	94052J100-010* CALL	95052J100-010* CALL	552
1-1/4 Air to Air	91152H100-012* CALL	93152H100-012* CALL	94052H100-012* CALL	95052H100-012* CALL	552
1-1/4 Air to Spring	91152J100-012* CALL	93152J100-012* CALL	94052J100-012* CALL	95052J100-012* CALL	552
1-1/2 Air to Air	91152H100-015* CALL	93152H100-015* CALL	94052H100-015* CALL	95052H100-015* CALL	552
1-1/2 Air to Spring	91152J100-015* CALL	93152J100-015* CALL	94052J100-015* CALL	95052J100-015* CALL	552
2 Air to Air	91152H100-020* CALL	93152H100-020* CALL	94052H100-020* CALL	95052H100-020* CALL	552
2 Air to Spring	91152J100-020* CALL	93152J100-020* CALL	94052J100-020* CALL	95052J100-020* CALL	552
2-1/2 Air to Air	---	---	---	95052H100-025* CALL	552
2-1/2 Air to Spring	---	---	---	95052J100-025* CALL	552
3 Air to Air	---	---	---	95052H100-030* CALL	552
3 Air to Spring	---	---	---	95052J100-030* CALL	552



Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic

CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Prod Code
4 Air to Air	---	---	---	95052H100-040* CALL	552
4 Air to Spring	---	---	---	95052J100-040* CALL	552

Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic



Premium Actuated Diaphragm Valve - Pneumatic
CPVC - FKM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Prod Code
1/2 Air to Air	91252H100-005* CALL	93252H100-005* CALL	552
1/2 Air to Spring	91252J100-005* CALL	93252J100-005* CALL	552
3/4 Air to Air	91252H100-007* CALL	93252H100-007* CALL	552
3/4 Air to Spring	91252J100-007* CALL	93252J100-007* CALL	552
1 Air to Air	91252H100-010* CALL	93252H100-010* CALL	552
1 Air to Spring	91252J100-010* CALL	93252J100-010* CALL	552
1-1/4 Air to Air	91252H100-012* CALL	93252H100-012* CALL	552
1-1/4 Air to Spring	91252J100-012* CALL	93252J100-012* CALL	552
1-1/2 Air to Air	91252H100-015* CALL	93252H100-015* CALL	552
1-1/2 Air to Spring	91252J100-015* CALL	93252J100-015* CALL	552
2 Air to Air	91252H100-020* CALL	93252H100-020* CALL	552
2 Air to Spring	91252J100-020* CALL	93252J100-020* CALL	552

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

Polypropylene - EPDM O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2 Air to Air	93123H100-005* CALL	---	554
1/2 Air to Spring	93123J100-005* CALL	---	554
3/4 Air to Air	93123H100-007* CALL	---	554
3/4 Air to Spring	93123J100-007* CALL	---	554
1 Air to Air	93123H100-010* CALL	---	554
1 Air to Spring	93123J100-010* CALL	---	554
1-1/4 Air to Air	93123H100-012* CALL	---	554
1-1/4 Air to Spring	93123J100-012* CALL	---	554
1-1/2 Air to Air	93123H100-015* CALL	---	554
1-1/2 Air to Spring	93123J100-015* CALL	---	554
2 Air to Air	93123H100-020* CALL	---	554
2 Air to Spring	93123J100-020* CALL	---	554
2-1/2 Air to Air	---	95023H100-025* CALL	554

Made in the U.S.A.

Polypropylene - EPDM O-ring and EPDM Diaphragm (continued)

Size	SR Thread	Flanged	Prod Code
2-1/2 Air to Spring	---	95023J100-025* CALL	554
3 Air to Air	---	95023H100-030* CALL	554
3 Air to Spring	---	95023J100-030* CALL	554
4 Air to Air	---	95023H100-040* CALL	554
4 Air to Spring	---	95023J100-040* CALL	554

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene - FKM O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2 Air to Air	93233H100-005* CALL	---	554
1/2 Air to Spring	93233J100-005* CALL	---	554
3/4 Air to Air	93233H100-007* CALL	---	554
3/4 Air to Spring	93233J100-007* CALL	---	554
1 Air to Air	93233H100-010* CALL	---	554
1 Air to Spring	93233J100-010* CALL	---	554
1-1/4 Air to Air	93233H100-012* CALL	---	554
1-1/4 Air to Spring	93233J100-012* CALL	---	554
1-1/2 Air to Air	93233H100-015* CALL	---	554
1-1/2 Air to Spring	93233J100-015* CALL	---	554
2 Air to Air	93233H100-020* CALL	---	554
2 Air to Spring	93233J100-020* CALL	---	554
2-1/2 Air to Air	---	95033H100-025* CALL	554
2-1/2 Air to Spring	---	95033J100-025* CALL	554
3 Air to Air	---	95033H100-030* CALL	554
3 Air to Spring	---	95033J100-030* CALL	554
4 Air to Air	---	95033H100-040* CALL	554
4 Air to Spring	---	95033J100-040* CALL	554

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	SR Thread	Flanged	Prod Code
1/2 Air to Air	93153H100-005* CALL	---	554
1/2 Air to Spring	93153J100-005* CALL	---	554



Actuated Valves Product
Premium Actuated Diaphragm Valve - Pneumatic

Premium Actuated Diaphragm Valve - Pneumatic
 Polypropylene - EPDM O-ring and EPDM Backed PTFE
 Diaphragm (continued)

Size	SR Thread	Flanged	Prod Code
3/4 Air to Air	93153H100-007* CALL	---	554
3/4 Air to Spring	93153J100-007* CALL	---	554
1 Air to Air	93153H100-010* CALL	---	554
1 Air to Spring	93153J100-010* CALL	---	554
1-1/4 Air to Air	93153H100-012* CALL	---	554
1-1/4 Air to Spring	93153J100-012* CALL	---	554
1-1/2 Air to Air	93153H100-015* CALL	---	554
1-1/2 Air to Spring	93153J100-015* CALL	---	554
2 Air to Air	93153H100-020* CALL	---	554
2 Air to Spring	93153J100-020* CALL	---	554

Polypropylene - FKM O-ring and EPDM Backed PTFE Diaphragm SR Thread

Size	Part Number	Std Pk	Mstr Ctn	Prod Code	MSRP
1/2 Air to Air	93253H100-005*	1	0	554	CALL
1/2 Air to Spring	93253J100-005*	1	0	554	CALL
3/4 Air to Air	93253H100-007*	1	0	554	CALL
3/4 Air to Spring	93253J100-007*	1	0	554	CALL
1 Air to Air	93253H100-010*	1	0	554	CALL
1 Air to Spring	93253J100-010*	1	0	554	CALL
1-1/4 Air to Air	93253H100-012*	1	0	554	CALL
1-1/4 Air to Spring	93253J100-012*	1	0	554	CALL
1-1/2 Air to Air	93253H100-015*	1	0	554	CALL
1-1/2 Air to Spring	93253J100-015*	1	0	554	CALL
2 Air to Air	93253H100-020*	1	0	554	CALL
2 Air to Spring	93253J100-020*	1	0	554	CALL

Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves



The following accessories are for use on Spears® pneumatic actuated Ball Valves and Butterfly Valves. See separate listing for pneumatic Diaphragm Valve accessories. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, *Ordering Premium Valve Packages with Accessory Add-ons*.

Accessory	Description	Accessory Part Number	Prod Code	MSRP
Pneumatic Positioners	3-15 psi NEMA 4 Flat-Top Indicator ¹	A-PP1	298	1645.87
	3-15 psi NEMA 4 Dome Indicator ¹	A-PP2	298	1770.76
	3-15 psi NEMA 4 Dome Indicator Integrated 2-SPDT Mech. Switches ¹	A-PP3	298	2435.14
Electro Pneumatic Positioners with Indicator	4-20mA NEMA 4 Flat-Top Indicator ¹	A-EP1	298	3374.82
	4-20mA NEMA 4 Dome Indicator ¹	A-EP2	298	3620.79
	4-20 mA NEMA 4 Dome Indicator Integrated 2-SPDT Mech. Switches ¹	A-EP3	298	3823.81
	4-20mA NEMA 7 Flat-Top Indicator ¹	A-EP4	298	3933.07
	4-20mA Intrinsically Safe (CSA/UL) Flat-Top Indicator ¹	A-EP5	298	3988.35
	4-20mA NEMA 7 Dome Indicator ¹	A-EP6	298	3929.83
	4-20mA Intrinsically Safe w/2-SPST Proximity Switches ¹	A-EP22	298	4119.20
Solenoid Valves	3 & 4-way 115 VAC NEMA 4/4x	A-SV1	298	227.07
	3 & 4-way 230 VAC NEMA 4/4x	A-SV2	298	238.39
	3 & 4-way 24 VAC NEMA 4/4x	A-SV3	298	238.39
	3 & 4-way 12 VDC NEMA 4/4x	A-SV4	298	238.39
	3 & 4-way 24 VDC NEMA 4/4x	A-SV5	298	238.39
	3 & 4-way 115 VAC NEMA 4/4x/7/9	A-SV6	298	482.51
	3 & 4-way 230 VAC NEMA 4/4x/7/9	A-SV7	298	482.51
	3 & 4-way 24 VAC NEMA 4/4x/7/9	A-SV8	298	568.70
	3 & 4-way 12 VDC NEMA 4/4x/7/9	A-SV9	298	482.51
	3 & 4-way 24 VDC NEMA 4/4x/7/9	A-SV10	298	482.51
	Dual Coil 3 & 4-way 115 VAC NEMA 4/4x	A-SV11	298	397.29
	Dual Coil 3 & 4-way 230 VAC NEMA 4/4x	A-SV12	298	397.29
	Dual Coil 3 & 4-way 24 VAC NEMA 4/4x	A-SV13	298	397.29
	Dual Coil 3 & 4-way 12 VDC NEMA 4/4x	A-SV14	298	397.29
	Dual Coil 3 & 4-way 24 VDC NEMA 4/4x	A-SV15	298	464.93
	Dual Coil 3 & 4-way 115 VAC NEMA 7/9	A-SV16	298	828.73
	Dual Coil 3 & 4-way 230 VAC NEMA 7/9	A-SV17	298	828.73
	Dual Coil 3 & 4-way 24 VAC NEMA 7/9	A-SV18	298	828.73
	Dual Coil 3 & 4-way 12 VDC NEMA 7/9	A-SV19	298	828.73
	Dual Coil 3 & 4-way 24 VDC NEMA 7/9	A-SV20	298	828.73
	Stainless Steel 3 & 4-way 115 VAC NEMA 4/4x	A-SV21	298	987.56
	3-Way 24 VDC Hi Temperature (Class H) NEMA 4x	A-SV22	298	2830.58
	3 & 4-way 230 VAC NEMA 4/4x 1/2" NPT Din Connector	A-SV23	298	1268.66
Limit Switch & Transmitter Combination	4-20mA 2-SPDT NEMA 4/4x/7/9	A-LS20	298	1346.68
	4-20mA 2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS21	298	1973.16
	4-20mA 2-DPDT NEMA 4/4x/7/9	A-LS22	298	1601.41
	4-20mA 2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS23	298	1674.27
	4-20mA 2-Proximity NEMA 4/4x/7/9	A-LS24	298	1728.85
	4-20mA 2-Proximity NEMA 4/4x/7/9 w/ Visual Indicator	A-LS25	298	1786.40
Limit Switches	2-SPDT NEMA 4/4x	A-LS40	298	369.86
	2-SPDT NEMA 4/4x w/ Visual Indicator	A-LS41	298	436.78
	2-SPDT NEMA 4/4x w/ Green/Red Dome Indicator	A-LS41D	298	539.72
	NEMA 4/4x w/ Low Profile Indicator	A-LS41L	298	314.17
	2-DPDT NEMA 4/4x	A-LS42	298	618.81
	2-DPDT NEMA 4/4x w/ Visual Indicator	A-LS43	298	691.69
	2-Proximity NEMA 4/4x	A-LS44	298	746.12
	2-Proximity NEMA 4/4x w/ Low Profile Indicator (source power requires intrinsic safety barrier or amplifier).	A-LS44L	298	908.05



Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves

The following accessories are for use on Spears® pneumatic actuated Ball Valves and Butterfly Valves. See separate listing for pneumatic Diaphragm Valve accessories. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, *Ordering Premium Valve Packages with Accessory Add-ons*.

Accessory	Description	Accessory Part Number	Prod Code	MSRP
Limit Switches	2-Proximity NEMA 4/4x w/ Visual Indicator	A-LS45	298	818.97
	2-Proximity NEMA 7/9	A-LS46	298	855.32
	2-Proximity NEMA 7/9 w/ Visual Indicator	A-LS47	298	928.35
	2-Proximity NEMA 7/9 w/ Low Profile Indicator	A-LS47L	298	860.94
	2-SPDT NEMA 4/4x/7/9	A-LS48	298	510.59
	2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS49	298	545.97
	2-DPDT NEMA 4/4x/7/9	A-LS50	298	1102.34
	2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS51	298	1174.37
	4-SPDT NEMA 4/4x w/ 180° Indicator	A-LS52	298	617.32
Transmitter	4-20mA Output Transmitter	A-PT1	298	1239.76
Indicator	Dome Indicator	A-V2	298	102.18
Pressure Gauge Set	Stainless steel case, 3-gauge set for use with positioners: 1 - input pressure gauge 0-30 psi, 2 - output gauges 0-160 psi	A-G1	298	777.09
	Plastic case, 3-gauge set for use with positioners: 1 - input pressure gauge 0-30 psi, 2 - output gauges 0-160 psi	A-G2	298	293.57
Air Mufflers	Standard Sintered Bronze, 40 Micron, 1/8" NPT	A-M18	298	17.36
	Standard Sintered Bronze, 40 Micron, 1/4" NPT	A-M14	298	14.26
	Speed Control Muffler (Adjustable Air Flow) 1/8" NPT	A-M2V18	298	31.83
	Speed Control Muffler (Adjustable Air Flow) 1/4" NPT	A-M2V14	298	26.97
ID Tag	Type 316 Stainless Steel ID Tag 1-1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	299	35.02
Stem Extensions	Ball Valve Stem Extension ²	A-BVSE-xxx-000	Call for MSRP	
	True Union 2000 Ball Valve Stem Extension ²	A-BVSE2-xxx-000		
	Butterfly Valve Stem Extension ²	A-BFSE-xxx-000		

NOTES: 1 -Pneumatic and Electro-Pneumatic positioners include brass gauges: 1 input gauge @ 0-30 psi and 2 output gauges @ 0-160 psi. Stainless steel gauges may be ordered separately.

2 -Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.

Actuated Valves Product
Electric Actuator Accessories for Diaphragm Valves



Contact Spears® for any desired accessories or functions not specified in the Accessory Selection Tables

The following accessories are for use on Spears® electric actuated Diaphragm Valves. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, Ordering Premium Valve Packages with Accessory Add-ons.

Accessory	Description	Accessory Part Number	Prod Code	MSRP
Heater	Heater/Thermostat - On 41°F, Off 60.8°F	A-H1	298	227.82
	Heater/Thermostat - On 62.6°F, Off 80.6°F	A-H2	298	205.02
Auxilliary Limit Switches	2-SPDT Limit Switch Set (1/2" shaft cam)	A-LS1	298	204.37
Position Indicators	LED Indicator Lights	A-P2	298	261.07
Modulating Positioner Boards	115 VAC 4-20 mA	A-PB1	298	2088.55
	115 VAC 0-5 VDC	A-PB2	298	2088.55
	115 VAC 0-10 VDC	A-PB3	298	2088.55
	230 VAC 4-20 mA	A-PB4	298	2560.66
	230 VAC 0-5 VDC	A-PB5	298	2088.55
	230 VAC 0-10 VDC	A-PB6	298	2088.55
	24 VAC 4-20 mA	A-PB7	298	2088.55
	24 VAC 0-5 VDC	A-PB8	298	2088.55
	24 VAC 0-10 VDC	A-PB9	298	2088.55
	24 VDC 4-20 mA	A-PB10	298	2797.12
	24 VDC 0-5 VDC	A-PB11	298	2797.12
	24 VDC 0-10 VDC	A-PB12	298	2088.55
Transmitter	4-20mA	A-T1	298	1532.41
Torque Sensors	Adjustable Electronic Torque Sensor	A-TS1	298	1106.71
Speed Controller	Variable Speed Controller	A-SC1	298	1184.38
Lockout Switch	Power disconnect switch activated when manual override is in use	A-LK1	298	297.80
Battery Backup	115VAC 7 AMP BATTERY BACK UP	A-BB4	298	6077.19
ID Tag	Type 316 Stainless Steel ID Tag 1-1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	299	35.02
Stem Extensions	Diaphragm Valve Stem Extension ¹	A-DESE-xxx-000		Call for MSRP

NOTES: 1 - Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.



Pneumatic Actuator Accessories for Diaphragm Valves

The following accessories are for use on Spears® pneumatic actuated Diaphragm Valves only. See separate listing for Ball Valve and Butterfly Valve pneumatic accessories. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, Ordering Premium Valve Packages with Accessory Add-ons

Accessory	Description	Accessory Part Number	Prod Code	MSRP
Pneumatic Positioners	3-15 psi NEMA 4x w/ Visual Indicator Top Loading (no gauge)	A-DPP1	298	5073.83
	3-15 psi NEMA 4x w/ Visual Indicator Top Loading w/ gauges (3)	A-DPP2	298	5743.53
	3-15 psi NEMA 4x w/ Visual Indicator Bottom Loading (no gauge)	A-DPP3	298	5073.84
	3-15 psi NEMA 4x w/ Visual Indicator Bottom Loading w/ gauges (3)	A-DPP4	298	5743.53
Electro Pneumatic Positioners	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator (up to 2")	A-DEP1	298	4991.46
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator w/SS Gauges (up to 2")	A-DEP2	298	10380.37
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator (2-1/2" & up)	A-DEP3	298	9710.67
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator w/SS Gauges (2-1/2" & up)	A-DEP4	298	10380.37
3-Way Solenoid Valves	115 VAC NEMA 4/4x	A-DSV1	298	1071.16
	230 VAC NEMA 4/4x	A-DSV2	298	417.77
	24 VAC NEMA 4/4x	A-DSV3	298	417.77
	12 VDC NEMA 4/4x	A-DSV4	298	417.77
	24 VDC NEMA 4/4x	A-DSV5	298	417.77
	115 VAC NEMA 4/4x/7/9	A-DSV6	298	644.83
	230 VAC NEMA 4/4x/7/9	A-DSV7	298	644.83
	24 VAC NEMA 4/4x/7/9	A-DSV8	298	644.83
	12 VDC NEMA 4/4x/7/9	A-DSV9	298	644.83
	24 VDC NEMA 4/4x/7/9	A-DSV10	298	644.83
4-Way Solenoid Valves	115 VAC NEMA 4/4x	A-DSV11	298	1847.53
	230 VAC NEMA 4/4x	A-DSV12	298	1847.53
	24 VAC NEMA 4/4x	A-DSV13	298	1847.53
	12 VDC NEMA 4/4x	A-DSV14	298	1847.53
	24 VDC NEMA 4/4x	A-DSV15	298	1847.53
	115 VAC NEMA 4/4x/7/9	A-DSV16	298	1094.54
	230 VAC NEMA 4/4x/7/9	A-DSV17	298	1094.54
	24 VAC NEMA 4/4x/7/9	A-DSV18	298	1094.54
	12 VDC NEMA 4/4x/7/9	A-DSV19	298	1094.54
	24 VDC NEMA 4/4x/7/9	A-DSV20	298	1094.54
Micro Limit Switches	2-SPDT NEMA 4 w/ 180° Visual Indicator ¹	A-DLS20	298	1927.48
	2-SPDT NEMA 7/9 w/ 180° Visual Indicator ¹	A-DLS25	298	2253.00
Proximity Limit Switches	2-SPDT NEMA 4/4X	A-DLS23	298	2039.53
Limit Switches	2-SPDT NEMA 4 ²	A-DLS24	298	1470.52
Speed Controller	Variable Speed Controller	A-DPSC1	298	1265.69
ID Tag	Type 316 Stainless Steel ID Tag 1-1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	299	35.02
Stem Extensions	Diaphragm Valve Stem Extension ¹	A-DPSE-xxx-000		Call for MSRP

NOTES: 1 - Micro Limit Switches used on valve sizes ½" through 2".

2 -Limit Switches used on valve sizes 2-1/2" & larger.

3 -Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.

Actuated Valves Product
Valve Actuation Questionnaire Checklist Ball Valves



Contact Name: _____ **Date:** _____
Business Name: _____
City: _____ **State:** _____ **Country:** _____
Phone: _____ **Fax:** _____ **E-mail:** _____
Project Name: _____

Ball Valves: System Media Pressure (Required) psi _____ kPa _____ Bar _____ Nominal Size in _____ mm _____ cm _____		Valve Quantity Each _____
Ball Valve Type : True Union <u>Industrial</u> <input type="checkbox"/> Three Way Full Port <input type="checkbox"/> (See 3-way orientation box below) True Union <u>Standard</u> <input type="checkbox"/> Three Way Regular <input type="checkbox"/> (See 3-way orientation box below) True Union Tee Style <input type="checkbox"/> Tandem Three Way <input type="checkbox"/> (Tandem Diverter Orientation Questionnaire Required) Compact <input type="checkbox"/> Other Valve Type <input type="checkbox"/> _____		
Body Material: PVC <input type="checkbox"/> EPDM <input type="checkbox"/> CPVC <input type="checkbox"/> FKM <input type="checkbox"/> LE PVC <input type="checkbox"/> Other <input type="checkbox"/> (If Other Explain) _____		O-ring Seals : Socket <input type="checkbox"/> Flange <input type="checkbox"/> Threaded <input type="checkbox"/> Spigot <input type="checkbox"/> SR Threaded <input type="checkbox"/> Metric <input type="checkbox"/> DIN <input type="checkbox"/> JIS <input type="checkbox"/> BSP(Thread) <input type="checkbox"/>
Vertical 3- Way Orientation <input type="checkbox"/> Single L Port <input type="checkbox"/> Double L Port <input type="checkbox"/> Triple L Port <input type="checkbox"/> T Port <input type="checkbox"/> T Port Mixing <input type="checkbox"/> Double Port Mixing		Horizontal 3- Way Orientation <input type="checkbox"/> L Port <input type="checkbox"/> T Port <input type="checkbox"/> Double Port <input type="checkbox"/> T Port-Mixing
Pneumatic <input type="checkbox"/> Not all combinations may be available. FailSafe Type - (Position to which valve cycles upon air loss) <input type="checkbox"/> Double Acting (No FailSafe. Stays in last activated position) <input type="checkbox"/> Spring Return - Close (FailSafe <u>in closed position</u> upon air loss) <input type="checkbox"/> Spring Return - Open (FailSafe <u>in open position</u> upon air loss) <input type="checkbox"/> Other: _____ Operating Air Pressure (psi) - (Compressed air supply required to operate actuator) <input type="checkbox"/> 80-150 <input type="checkbox"/> Other: _____ Override Type - (Override used to cycle valve upon air loss) <input type="checkbox"/> Basic <input type="checkbox"/> Declutchable <input type="checkbox"/> Other: _____		Electric <input type="checkbox"/> Not all combinations may be available. <input type="checkbox"/> Basic Two Position (90 Degree Travel Standard) <input type="checkbox"/> 3 Position 90 <input type="checkbox"/> 180 <input type="checkbox"/> FailSafe Position (if required) <input type="checkbox"/> Fail Open - FailSafe <u>in open position</u> upon power loss <input type="checkbox"/> Fail Close - FailSafe <u>in closed position</u> upon power loss Voltage Supply Power: <input type="checkbox"/> 115 VAC <input type="checkbox"/> 230 VAC <input type="checkbox"/> Other: _____ Frequency <input type="checkbox"/> 50 Hertz <input type="checkbox"/> 60 Hertz Phase <input type="checkbox"/> Single <input type="checkbox"/> Three Override Type - (Override used to cycle valve upon power loss) <input type="checkbox"/> Basic <input type="checkbox"/> Declutchable <input type="checkbox"/> Other: _____ Duty Cycle (Amount of work valve can accomplish before requiring rest) <input type="checkbox"/> 25% <input type="checkbox"/> 75% <input type="checkbox"/> Other/Min. Requirement : _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) <input type="checkbox"/> 4 <input type="checkbox"/> 4x <input type="checkbox"/> Other: _____
Aux. Limit Switches - Additional mechanical switches to operate external lights, alarms etc. (set of 2) <input type="checkbox"/> SPDT- Mechanical <input type="checkbox"/> SPDT - Proximity <input type="checkbox"/> DPDT - Mechanical Voltage Signal Type Specify Voltage: _____ Visual Indicator - (Provides local visual valve position indication) <input type="checkbox"/> Low Profile <input type="checkbox"/> Dome <input type="checkbox"/> No Indicator		Note: On "Fail Safe" Options Two Positions ONLY Override Not Recommended.
Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle). <input type="checkbox"/> Pneumatic Positioner (Air supply required to operate valve) Signal Pressure (Air pressure required to position the valve) <input type="checkbox"/> 3-15 psi <input type="checkbox"/> Other: _____ <input type="checkbox"/> Electro-Pneumatic Positioner (Air and voltage supply required to operate) Signal Voltage Input <input type="checkbox"/> 4-20mA <input type="checkbox"/> 0-10 VDC <input type="checkbox"/> Other: _____ <input type="checkbox"/> With Transmitter - (Sends output signal to PLC to provide valve position) Transmitter Output <input type="checkbox"/> 4-20mA <input type="checkbox"/> 0-10 VDC <input type="checkbox"/> Other: _____		Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle) <input type="checkbox"/> Positioner with Transmitter Signal Input <input type="checkbox"/> 4-20mA <input type="checkbox"/> 0-10 VDC <input type="checkbox"/> Other: _____ Transmitter - (Sends output signal to PLC to provide valve position) Signal Output <input type="checkbox"/> 4-20mA <input type="checkbox"/> 0-10 VDC <input type="checkbox"/> Other: _____ <input type="checkbox"/> Positioner - NO Transmitter Signal Input <input type="checkbox"/> 4-20mA <input type="checkbox"/> 0-10 VDC <input type="checkbox"/> Other: _____
NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases) <input type="checkbox"/> 4 <input type="checkbox"/> 4x <input type="checkbox"/> Other: _____ Solenoid Valve - (Regulates actuator intake/exhaust air supply) <input type="checkbox"/> 3 & 4 Way <input type="checkbox"/> Dual Coil (Double Acting Actuators only) <input type="checkbox"/> Other: _____ Solenoid Valve Voltage <input type="checkbox"/> 115 VAC <input type="checkbox"/> 230 VAC <input type="checkbox"/> Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) <input type="checkbox"/> 4 <input type="checkbox"/> 4x <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other Options: _____		Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.) <input type="checkbox"/> 2 <input type="checkbox"/> 4 (Set of 2 each) Standard Accessories - All options not available in all actuator combinations <input type="checkbox"/> Torque Sensor <input type="checkbox"/> LED Indicating Lights (red /green) <input type="checkbox"/> Battery Backup <input type="checkbox"/> 2 Wire Control Relay <input type="checkbox"/> Speed Control <input type="checkbox"/> Heater & Thermostat <input type="checkbox"/> [On @ 41F] [Off @ 60.8F] <input type="checkbox"/> [On @ 62.6F] [Off @ 80.6F] <input type="checkbox"/> [On @ 69.8F] [Off @ 89.6F] <input type="checkbox"/> Other Options: _____

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Actuated Valves Product
Valve Actuation Questionnaire Checklist Butterfly Valves

Contact Name: _____ Date: _____
 Business Name: _____
 City: _____ State: _____ Country: _____
 Phone: _____ Fax: _____ E-mail: _____
 Project Name: _____

Butterfly Valves: System Media Pressure (Required) psi _____ kPa _____ Bar _____
 Valve Quantity Each _____
 Nominal Size in _____ mm _____ cm _____

Butterfly Valve Type :
 Standard
 True Lug Tandem Diverting
 Pool Valve Tandem Three Way
 Wafer (Tandem 3-Way Orientation Document Required)
 Other Valve Type _____

Body Material :
 PVC
 CPVC
 Polypropylene

O-ring Seals :
 Buna - N
 EPDM
 FKM
 Other
 (If Other Explain) _____

Lug Materials :
 SS316
 Zinc

Other Information: _____

Pneumatic **Not all combinations may be available.**

FailSafe Type - (Position to which valve cycles upon air loss)
 Double Acting (No FailSafe. Stays in last activated position)
 Spring Return - Close (FailSafe in closed position upon air loss)
 Spring Return - Open (FailSafe in open position upon air loss)
 Other: _____

Operating Air Pressure (psi) - (Compressed air supply required to operate actuator)
 80-150 Other: _____

Override Type - (Override used to cycle valve upon air loss)
 Basic Declutchable Other: _____

Aux. Limit Switches - (Additional mechanical switches to operate external lights, alarms etc. (set of 2))
 SPDT - Mechanical SPDT - Proximity DPDT - Mechanical
 Voltage Signal Type Specify Voltage: _____

Visual Indicator - (Provides local visual valve position indication)
 Low Profile Dome

Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle).
 Pneumatic Positioner (Air supply required to operate valve)
 Signal Pressure - (Air pressure required to position the valve)
 3-15 psi Other: _____
 Electro-Pneumatic Positioner (Air and voltage supply required to operate)
 Signal Voltage Input 4-20mA 0-10 VDC Other: _____
 With Transmitter - (Sends output signal to PLC to provide valve position)
 Transmitter Output 4-20mA 0-10 VDC Other: _____

NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases)
 4 4x Other: _____

Solenoid Valve - (Regulates actuator intake/exhaust air supply)
 3 & 4 Way Dual Coil (Double Acting Actuators only) Other: _____

Solenoid Valve Voltage
 115 VAC 230 VAC Other: _____

NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids)
 4 4x Other: _____

Other Options:

Electric **Not all combinations may be available.**

Basic Two Position (90 Degree Travel Standard)

FailSafe Position (if required)
 Fail Open - Open (FailSafe in open position upon power loss)
 Fail Close - Close (FailSafe in closed position upon power loss)
Note: On "Fail Safe" options two positions ONLY Override Not Recommended.

Voltage Supply Power:
 115 VAC 230 VAC Other: _____

Frequency 50 Hertz 60 Hertz

Phase Single Three

Override Type - (Override used to cycle valve upon power loss)
 Basic Declutchable Other: _____

Duty Cycle (Amount of work valve can accomplish before requiring rest)
 25% 75% Other/Min. Requirement: _____

NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids)
 4 4x Other: _____

Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle)
 Positioner with Transmitter
 Signal Input 4-20mA 0-10 VDC Other: _____
Transmitter - (Sends output signal to PLC to provide valve position)
 Signal Output 4-20mA 0-10 VDC Other: _____
 Positioner - NO Transmitter
 Signal Input 4-20mA 0-10 VDC Other: _____

Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.)
 2 4 (Set of 2 each)

Standard Accessories - All options not available in all actuator combinations
 Torque Sensor
 Battery Backup LED Indicating Lights (red /green)
 Speed Control 2 Wire Control Relay
 Heater & Thermostat [On @ 41F] [Off @ 60.8F] [On @ 69.8F] [Off @ 89.6F]
 [On @ 62.6F] [Off @ 80.6F]

Other Options:

Rev. A 2010

Actuated Valves Product
Valve Actuation Questionnaire Checklist Diaphragm Valves



Contact Name: _____ Date: _____
 Business Name: _____
 City: _____ State: _____ Country: _____
 Phone: _____ Fax: _____ E-mail: _____
 Project Name: _____

Diaphragm Valves: System Media Pressure (Required) psi _____ kPa _____ Bar _____ **Valve Quantity Each** _____

Nominal Size in _____ mm _____ cm _____

Diaphragm Valve Type :
 EPDM
 FKM
 PTFE/FKM
 PTFE/EPDM
 Other Valve Type _____

Body Material :
 PVC
 CPVC
 Low-Extractable PVC
 Polypropylene

End Connector O-rings 1/2" - 2" :
 EPDM
 FKM
 PTFE/FKM
 PTFE/EPDM
 Other _____
 (If Other Explain)

End Connector :
 Socket
 SR Threaded
 Flange
 Spigot

Other information: _____

Not all combinations may be available.

Pneumatic

FailSafe Type - (Position to which valve cycles upon air loss)
 Double Acting (No FailSafe. Stays in last activated position)
 Spring Return - Close (FailSafe in closed position upon air loss)
 Spring Return - Open (FailSafe in open position upon air loss)
 Other: _____

Operating Air Pressure (psi) - (Compressed air supply required to operate actuator)
 80-116 Other: _____

Override Type - (Override used to cycle valve upon air loss. Not available in sizes 1/2" -2")
 Basic Declutchable Other: _____

Aux. Limit Switches - (Additional mechanical switches to operate external lights, alarms etc. (set of 2)
 SPDT- Mechanical SPDT - Proximity DPDT - Mechanical
 Voltage Signal Type: Specify Voltage: _____

Visual Indicator - (Provides local visual valve position indication)
 Low Profile Dome

Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle).
 Pneumatic Positioner (Air supply required to operate valve)
 Signal Pressure - (Air pressure required to position the valve)
 3-15 psi Other: _____
 Electro-Pneumatic Positioner (Air and voltage supply required to operate)
Input 4-20mA 0-10 VDC Other: _____
 With Transmitter - (Sends output signal to PLC to provide valve position)
 Transmitter Output 4-20mA 0-10 VDC Other: _____

NEMA Rating - (Enclosure rating indicates level of housing ingress protection from fluids and solids)
 4 4x Other: _____

Solenoid Valve - (Regulates actuator intake/exhaust air supply)
 3 way (Air-to-Spring) 4 way (Double Acting Actuators only) Other: _____

Solenoid Valve Voltage
 115 VAC 230 VAC Other: _____

NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases)
 4 4x Other: _____

Other Options:

Not all combinations may be available.

Electric Multi Turn

Voltage Supply Power:
 115 VAC 230 VAC Other: _____

Frequency 50 Hertz 60 Hertz

Phase Single Three

Override Type - (Override used to cycle valve upon power loss)
 Basic Declutchable Other: _____

Duty Cycle (Amount of work valve can accomplish before requiring rest)
 25% 75% Other: _____

NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids)
 4 4x Other: _____

Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle)
 Positioner with Transmitter
 Signal Input 4-20mA 0-10 VDC Other: _____
Transmitter- (Sends output signal to PLC to provide valve position)
 Signal Output 4-20mA 0-10 VDC Other: _____
 Positioner - NO Transmitter
 Signal Input 4-20mA 0-10 VDC Other: _____

Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.)
 2 4 (Set of 2 each)

Standard Accessories -All options not available in all actuator combinations
 Torque Sensor
 Battery Backup LED Indicating Lights (red /green)
 Speed Control 2 Wire Control Relay
 Heater & Thermostat [On @ 41F] [Off @ 60.8F] [On @ 69.8F] [Off @ 89.6F]
 [On @ 62.6F] [Off @ 80.6F]

Other Options:
