

## Spears Electrically Actuated Ball Valve

**Description:** In-line ball valve with electric operation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2"/63mm - 16 bar; sizes 2 1/2"/75mm to 4"/110mm - 10 bar

**Fluid Temperature Range:** 0°C-80°C

**Construction:**

**Body:** PVC-C **Seals:** EPDM or FPM **Seats:** PTFE

**End Connections:** Solvent Sockets, BSP or NPT Female Threaded, Flanged ANSI 150

**Actuation:**

**Housing Material:** Plastic with epoxy coated aluminium base

**Voltages:** 240v AC; 110v AC; 24v AC; 110v DC; 24v DC; 12v DC

**Frequency Range:** 50/60 Hz

**Protection:** IP65

**Manual Override:** Optional

**Position Indicator:** Included

**Contacts:** Open, closed; additional contacts optional



### Inch Solvent Cement Sockets

240vAC  
EPDM Seals  
PTFE Seats

1/2	1829-005C E1AG	514.45
3/4	1829-007C E1AG	525.60
1	1829-010C E1AG	536.77
1 1/4	1829-012C E1AG	572.20
1 1/2	1829-015C E1AG	579.42
2	1829-020C E1AG	616.16
2 1/2	1822-025C E1AG	980.36
3	1822-030C E1AG	1027.60
4	1822-040C E1AG	1304.51

### Inch Solvent Cement Sockets

240vAC  
FPM Seals  
PTFE Seats

1/2	1839-005C E1AG	518.41
3/4	1839-007C E1AG	530.86
1	1839-010C E1AG	590.57
1 1/4	1839-012C E1AG	582.70
1 1/2	1839-015C E1AG	590.57
2	1839-020C E1AG	635.86
2 1/2	1832-025C E1AG	1010.55
3	1832-030C E1AG	1063.04
4	1832-040C E1AG	1371.45

### Flanged ANSI 150

240vAC  
EPDM Seals  
PTFE Seats

1/2	1823-005C E1AG	541.36
3/4	1823-007C E1AG	557.77
1	1823-010C E1AG	570.90
1 1/4	1823-012C E1AG	618.14
1 1/2	1823-015C E1AG	633.89
2	1823-020C E1AG	696.89
2 1/2	1823-025C E1AG	1076.16
3	1823-030C E1AG	1250.70
4	1823-040C E1AG	1678.55

### Flanged ANSI 150

240vAC  
FPM Seals  
PTFE Seats

1/2	1833-005C E1AG	542.66
3/4	1833-007C E1AG	561.04
1	1833-010C E1AG	576.79
1 1/4	1833-012C E1AG	623.39
1 1/2	1833-015C E1AG	639.15
2	1833-020C E1AG	737.56
2 1/2	1833-025C E1AG	1152.27
3	1833-030C E1AG	1262.52
4	1833-040C E1AG	1716.60

### Inch Solvent Cement Sockets

110vAC  
EPDM Seals  
PTFE Seats

1/2	1829-005C E2AG	514.45
3/4	1829-007C E2AG	525.60
1	1829-010C E2AG	536.77
1 1/4	1829-012C E2AG	572.20
1 1/2	1829-015C E2AG	579.42
2	1829-020C E2AG	616.16
2 1/2	1822-025C E2AG	980.36
3	1822-030C E2AG	1027.60
4	1822-040C E2AG	1304.51

### Inch Solvent Cement Sockets

110vAC  
FPM Seals  
PTFE Seats

1/2	1839-005C E2AG	518.41
3/4	1839-007C E2AG	530.86
1	1839-010C E2AG	543.33
1 1/4	1839-012C E2AG	582.70
1 1/2	1839-015C E2AG	590.57
2	1839-020C E2AG	635.86
2 1/2	1832-025C E2AG	1010.55
3	1832-030C E2AG	1063.04
4	1832-040C E2AG	1371.45

### Flanged ANSI 150

110vAC  
EPDM Seals  
PTFE Seats

1/2	1823-005C E2AG	541.36
3/4	1823-007C E2AG	557.77
1	1823-010C E2AG	570.90
1 1/4	1823-012C E2AG	618.14
1 1/2	1823-015C E2AG	633.89
2	1823-020C E2AG	696.89
2 1/2	1823-025C E2AG	1076.16
3	1823-030C E2AG	1250.70
4	1823-040C E2AG	1678.55

### Flanged ANSI 150

110vAC  
FPM Seals  
PTFE Seats

1/2	1833-005C E2AG	542.66
3/4	1833-007C E2AG	561.04
1	1833-010C E2AG	576.79
1 1/4	1833-012C E2AG	623.39
1 1/2	1833-015C E2AG	639.15
2	1833-020C E2AG	737.56
2 1/2	1833-025C E2AG	1152.27
3	1833-030C E2AG	1262.52
4	1833-040C E2AG	1716.60

Also available with BSP or NPT threaded connections.  
Please enquire for details.



## Spears Pneumatically Actuated Ball Valve

**Description:** In-line ball valve with pneumatic operation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-80°C

**Construction:**

**Body:** PVC-C **Seals:** EPDM or FPM **Seats:** PTFE

**End Connections:** Solvent Sockets, BSP or NPT Female Threaded, Flanged ANSI 150

**Actuation:**

**Housing Material:** Anodised Aluminium

**Air Actuators:** Fail-safe close, fail-safe open, double acting

**Protection:** IP65

**Manual Override:** Not Included

**Position Indicator:** Included

**Contacts:** Optional limit switch box with two mechanical switches

**Pilot Valve:** Solenoid, not included

### Inch Solvent Cement Sockets

Fail-safe close EPDM Seals PTFE Seats	1/2	1829-005C P1D	282.16
	3/4	1829-007C P1D	293.98
	1	1829-010C P1D	306.44
	1 1/4	1829-012C P1D	370.76
	1 1/2	1829-015C P1D	382.56
	2	1829-020C P1D	479.02
	2 1/2	1822-025C P1D	723.11
	3	1822-030C P1D	833.37
4	1822-040C P1D	1200.82	

### Inch Solvent Cement Sockets

Fail-safe close FPM Seals PTFE Seats	1/2	1839-005C P1D	286.76
	3/4	1839-007C P1D	299.22
	1	1839-010C P1D	312.99
	1 1/4	1839-012C P1D	381.24
	1 1/2	1839-015C P1D	393.71
	2	1839-020C P1D	498.70
	2 1/2	1832-025C P1D	753.31
	3	1832-030C P1D	868.81
4	1832-040C P1D	1267.77	

### Flanged ANSI 150

Fail-safe close EPDM Seals PTFE Seats	1/2	1823-005C P1D	309.07
	3/4	1823-007C P1D	326.12
	1	1823-010C P1D	341.22
	1 1/4	1823-012C P1D	416.67
	1 1/2	1823-015C P1D	437.03
	2	1823-020C P1D	559.73
	2 1/2	1823-025C P1D	818.94
	3	1823-030C P1D	1056.47
4	1823-040C P1D	1574.86	

### Flanged ANSI 150

Fail-safe close FPM Seals PTFE Seats	1/2	1833-005C P1D	311.04
	3/4	1833-007C P1D	329.41
	1	1833-010C P1D	346.48
	1 1/4	1833-012C P1D	421.93
	1 1/2	1833-015C P1D	442.27
	2	1833-020C P1D	600.42
	2 1/2	1833-025C P1D	895.04
	3	1833-030C P1D	1068.29
4	1833-040C P1D	1612.93	

### Inch Solvent Cement Sockets

Double Acting EPDM Seals PTFE Seats	1/2	1829-005C P3D	262.48
	3/4	1829-007C P3D	274.29
	1	1829-010C P3D	286.76
	1 1/4	1829-012C P3D	323.51
	1 1/2	1829-015C P3D	335.33
	2	1829-020C P3D	395.03
	2 1/2	1822-025C P3D	635.86
	3	1822-030C P3D	731.00
4	1822-040C P3D	1039.41	

### Inch Solvent Cement Sockets

Double Acting FPM Seals PTFE Seats	1/2	1839-005C P3D	267.08
	3/4	1839-007C P3D	279.54
	1	1839-010C P3D	293.32
	1 1/4	1839-012C P3D	334.01
	1 1/2	1839-015C P3D	346.48
	2	1839-020C P3D	414.72
	2 1/2	1832-025C P3D	666.70
	3	1832-030C P3D	766.44
4	1832-040C P3D	1106.34	

### Flanged ANSI 150

Double Acting EPDM Seals PTFE Seats	1/2	1823-005C P3D	289.38
	3/4	1823-007C P3D	306.44
	1	1823-010C P3D	321.53
	1 1/4	1823-012C P3D	369.44
	1 1/2	1823-015C P3D	389.78
	2	1823-020C P3D	475.74
	2 1/2	1823-025C P3D	732.31
	3	1823-030C P3D	954.10
4	1823-040C P3D	1413.45	

### Flanged ANSI 150

Double Acting FPM Seals PTFE Seats	1/2	1833-005C P3D	291.35
	3/4	1833-007C P3D	309.73
	1	1833-010C P3D	326.79
	1 1/4	1833-012C P3D	374.69
	1 1/2	1833-015C P3D	395.03
	2	1833-020C P3D	516.42
	2 1/2	1833-025C P3D	808.44
	3	1833-030C P3D	965.92
4	1833-040C P3D	1451.50	

Also available with BSP or NPT threaded connections, and with fail-safe open actuators. Please enquire for details.

## Spears Electrically Actuated Butterfly Valve

**Description:** Wafer style butterfly valve with electric actuation  
**Mounting:** In any position, between flanges to ANSI 150  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C-80°C  
**Construction:**  
**Body:** PVC-C  
**Disc:** Glass reinforced PVC-C  
**Seals:** EPDM or FPM  
**Shaft:** Stainless steel 316  
**End Connections:** Flange mounted (flanges not included)  
**Actuation:**  
**Housing Material:** Plastic with epoxy coated aluminium base  
**Voltages:** 240v AC; 110v AC; 24v AC; 110v DC; 24v DC; 12v DC  
**Frequency Range:** 50/60 Hz  
**Protection:** IP65  
**Manual Override:** Optional  
**Position Indicator:** Not Included  
**Contacts:** Open, closed. Additional contacts optional.



240v AC EPDM Seals			
1 1/2	252301- 015C E1AG	940.98	
2	252301- 020C E1AG	955.41	
2 1/2	252301- 025C E1AG	969.85	
3	252301- 030C E1AG	992.17	
4	252301- 040C E1AG	1034.16	
6	252301- 060C E1AG	1635.23	
8	252301- 080C E1AG	1980.39	

240v AC FPM Seals			
1 1/2	253301- 015C E1AG	1165.40	
2	253301- 020C E1AG	1179.84	
2 1/2	253301- 025C E1AG	1219.22	
3	253301- 030C E1AG	1254.65	
4	253301- 040C E1AG	1388.51	
6	253301- 060C E1AG	2238.94	
8	253301- 080C E1AG	3001.43	

110v AC EPDM Seals			
1 1/2	252301- 015C E2AG	940.98	
2	252301- 020C E2AG	955.41	
2 1/2	252301- 025C E2AG	969.85	
3	252301- 030C E2AG	992.17	
4	252301- 040C E2AG	1034.16	
6	252301- 060C E2AG	1635.23	
8	252301- 080C E2AG	1980.39	

110v AC FPM Seals			
1 1/2	253301- 015C E2AG	1165.40	
2	253301- 020C E2AG	1179.84	
2 1/2	253301- 025C E2AG	1219.22	
3	253301- 030C E2AG	1254.65	
4	253301- 040C E2AG	1388.51	
6	253301- 060C E2AG	2238.94	
8	253301- 080C E2AG	3001.43	

24v AC EPDM Seals			
1 1/2	252301- 015C E4AG	1003.97	
2	252301- 020C E4AG	1018.41	
2 1/2	252301- 025C E4AG	1032.85	
3	252301- 030C E4AG	1055.16	
4	252301- 040C E4AG	1097.16	
6	252301- 060C E4AG	1696.93	
8	252301- 080C E4AG	2043.38	

24v AC FPM Seals			
1 1/2	253301- 015C E4AG	1228.40	
2	253301- 020C E4AG	1242.83	
2 1/2	253301- 025C E4AG	1282.20	
3	253301- 030C E4AG	1317.63	
4	253301- 040C E4AG	1451.50	
6	253301- 060C E4AG	2301.93	
8	253301- 080C E4AG	3064.43	

24v DC EPDM Seals			
1 1/2	252301- 015C E3AG	1003.97	
2	252301- 020C E3AG	1018.41	
2 1/2	252301- 025C E3AG	1032.85	
3	252301- 030C E3AG	1055.16	
4	252301- 040C E3AG	1097.16	
6	252301- 060C E3AG	1696.93	
8	252301- 080C E3AG	2043.38	

24v DC FPM Seals			
1 1/2	253301- 015C E3AG	1228.40	
2	253301- 020C E3AG	1242.83	
2 1/2	253301- 025C E3AG	1282.20	
3	253301- 030C E3AG	1317.63	
4	253301- 040C E3AG	1451.50	
6	253301- 060C E3AG	2301.93	
8	253301- 080C E3AG	3064.43	

Electric Actuated Valve Options	
<b>Switch Options</b>	Price
Open/Closed	included
Open/Closed plus 2 x extra volt free	88.23
<b>Actuator Options</b>	
Reversible actuator with manual override	standard
Uni-directional actuator without manual override	on application
Customer specification actuator	on application
EEXD version actuator	on application
<b>Power Options</b>	
110v AC	standard
240v AC	free option
24v DC	on application
24v AC	on application
<b>Extra Options</b>	
Heater and thermostat	on application
4 - 20Ma positioner	on application
Fail-Safe operation	on application

## Spears Pneumatically Actuated Butterfly Valve

**Description:** Wafer style butterfly valve with electric actuation

**Mounting:** In any position, between flanges to ANSI 150

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-80°C

**Construction:**

**Body:** PVC-C

**Disc:** Glass reinforced PVC-C

**Seals:** EPDM or FPM

**Shaft:** Stainless steel 316

**End Connections:** Flange mounted (flanges not included)

**Actuation:**

**Housing Material:** Aluminium or Glass Reinforced Plastic

**Air Actuators:** Failsafe close, failsafe open, double acting

**Protection:** IP65

**Manual Override:** Not Included

**Position Indicator:** Included

**Contacts:** Optional limit switch box with two mechanical switches

**Pilot Valve:** Solenoid, not included



Fail-safe close EPDM Seals	1 1/2	252301- 015C P1D	487.55
	2	252301- 020C P1D	537.42
2 1/2	252301- 025C P1D	612.22	
3	252301- 030C P1D	719.19	
4	252301- 040C P1D	898.99	
6	252301- 060C P1D	1160.82	
8	252301- 080C P1D	1623.43	

Fail-safe close FPM Seals	1 1/2	253301- 015C P1D	712.64
	2	253301- 020C P1D	763.15
2 1/2	253301- 025C P1D	862.90	
3	253301- 030C P1D	982.33	
4	253301- 040C P1D	1253.32	
6	253301- 060C P1D	1765.17	
8	253301- 080C P1D	2644.46	

Double Acting EPDM Seals	1 1/2	252301- 015C P3D	411.43
	2	252301- 020C P3D	446.86
2 1/2	252301- 025C P3D	500.67	
3	252301- 030C P3D	564.99	
4	252301- 040C P3D	659.47	
6	252301- 060C P3D	908.82	
8	252301- 080C P3D	1332.07	

Double Acting FPM Seals	1 1/2	253301- 015C P3D	636.51
	2	253301- 020C P3D	671.94
2 1/2	253301- 025C P3D	803.84	
3	253301- 030C P3D	828.78	
4	253301- 040C P3D	1014.48	
6	253301- 060C P3D	1513.18	
8	253301- 080C P3D	2353.11	

Fail-safe open EPDM Seals	1 1/2	252301- 015C P2D	487.55
	2	252301- 020C P2D	537.42
2 1/2	252301- 025C P2D	612.22	
3	252301- 030C P2D	719.19	
4	252301- 040C P2D	898.99	
6	252301- 060C P2D	1160.82	
8	252301- 080C P2D	1623.43	

Fail-safe open FPM Seals	1 1/2	253301- 015C P2D	712.64
	2	253301- 020C P2D	763.15
2 1/2	253301- 025C P2D	862.90	
3	253301- 030C P2D	982.33	
4	253301- 040C P2D	1253.32	
6	253301- 060C P2D	1765.17	
8	253301- 080C P2D	2644.46	

### Pneumatic Actuated Valve Options

Body Material Options	Price
Hard anodised aluminium	standard
Stainless steel	on application
Double pack epoxy coated	on application
Switchbox Options (with beacon)	
IP65 Technopolymer 2 x mechanical switches	82.52
IP65 Technopolymer 2 x proximity switches EEXIA	322.78
IP67 Polycarbonate 2 x V3 gold plated switches	111.64
IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	174.73
IP67 Polycarbonate 2 x proximity switches EEXIA	279.09
IP67 Aluminium 2 x V3 gold plated switches EEXD	291.23
Solenoid Valve Options	
240v AC Solenoid	84.93
110v AC Solenoid	84.93
24v DC Solenoid	84.93
24v AC Solenoid	84.93