

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	545.32
3/4	1829-007C E1AG	557.14
1	1829-010C E1AG	568.88
1 1/4	1829-012C E1AG	606.53
1 1/2	1829-015C E1AG	614.19
2	1829-020C E1AG	653.13
2 1/2	1822-025C E1AG	1039.18
3	1822-030C E1AG	1089.26
4	1822-040C E1AG	1382.78

Inch Solvent Cement Sockets

240vAC
FPM Seals
PTFE Seats

1/2	1839-005C E1AG	549.51
3/4	1839-007C E1AG	562.71
1	1839-010C E1AG	575.93
1 1/4	1839-012C E1AG	617.66
1 1/2	1839-015C E1AG	626.00
2	1839-020C E1AG	674.01
2 1/2	1832-025C E1AG	1071.18
3	1832-030C E1AG	1126.82
4	1832-040C E1AG	1453.74

Flanged ANSI 150

240vAC
EPDM Seals
PTFE Seats

1/2	1823-005C E1AG	573.84
3/4	1823-007C E1AG	591.24
1	1823-010C E1AG	605.15
1 1/4	1823-012C E1AG	655.23
1 1/2	1823-015C E1AG	671.92
2	1823-020C E1AG	738.70
2 1/2	1823-025C E1AG	1140.73
3	1823-030C E1AG	1325.74
4	1823-040C E1AG	1779.26

Flanged ANSI 150

240vAC
FPM Seals
PTFE Seats

1/2	1833-005C E1AG	575.22
3/4	1833-007C E1AG	594.70
1	1833-010C E1AG	611.40
1 1/4	1833-012C E1AG	660.79
1 1/2	1833-015C E1AG	677.50
2	1833-020C E1AG	781.81
2 1/2	1833-025C E1AG	1221.41
3	1833-030C E1AG	1338.27
4	1833-040C E1AG	1819.60

Inch Solvent Cement Sockets

110vAC
EPDM Seals
PTFE Seats

1/2	1829-005C E2AG	545.32
3/4	1829-007C E2AG	557.14
1	1829-010C E2AG	568.88
1 1/4	1829-012C E2AG	606.53
1 1/2	1829-015C E2AG	614.19
2	1829-020C E2AG	653.13
2 1/2	1822-025C E2AG	1039.18
3	1822-030C E2AG	1089.26
4	1822-040C E2AG	1382.78

Inch Solvent Cement Sockets

110vAC
FPM Seals
PTFE Seats

1/2	1839-005C E2AG	549.51
3/4	1839-007C E2AG	562.71
1	1839-010C E2AG	575.93
1 1/4	1839-012C E2AG	617.66
1 1/2	1839-015C E2AG	626.00
2	1839-020C E2AG	674.01
2 1/2	1832-025C E2AG	1071.18
3	1832-030C E2AG	1126.82
4	1832-040C E2AG	1453.74

Flanged ANSI 150

110vAC
EPDM Seals
PTFE Seats

1/2	1823-005C E2AG	573.84
3/4	1823-007C E2AG	591.24
1	1823-010C E2AG	605.15
1 1/4	1823-012C E2AG	655.23
1 1/2	1823-015C E2AG	671.92
2	1823-020C E2AG	738.70
2 1/2	1823-025C E2AG	1140.73
3	1823-030C E2AG	1325.74
4	1823-040C E2AG	1779.26

Flanged ANSI 150

110vAC
FPM Seals
PTFE Seats

1/2	1833-005C E2AG	575.22
3/4	1833-007C E2AG	594.70
1	1833-010C E2AG	611.40
1 1/4	1833-012C E2AG	660.79
1 1/2	1833-015C E2AG	677.50
2	1833-020C E2AG	781.81
2 1/2	1833-025C E2AG	1221.41
3	1833-030C E2AG	1338.27
4	1833-040C E2AG	1819.60

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	1/2	1829-005C P1D	299.09
EPDM Seals	3/4	1829-007C P1D	311.62
PTFE Seats	1	1829-010C P1D	324.83
	1 1/4	1829-012C P1D	393.01
	1 1/2	1829-015C P1D	405.51
	2	1829-020C P1D	507.76
	2 1/2	1822-025C P1D	766.50
	3	1822-030C P1D	883.37
	4	1822-040C P1D	1272.87

Inch Solvent Cement Sockets

Fail-safe close	1/2	1839-005C P1D	303.97
FPM Seals	3/4	1839-007C P1D	317.17
PTFE Seats	1	1839-010C P1D	331.77
	1 1/4	1839-012C P1D	404.14
	1 1/2	1839-015C P1D	417.33
	2	1839-020C P1D	528.62
	2 1/2	1832-025C P1D	798.51
	3	1832-030C P1D	920.94
	4	1832-040C P1D	1343.84

Flanged ANSI 150

Fail-safe close	1/2	1823-005C P1D	327.61
EPDM Seals	3/4	1823-007C P1D	345.69
PTFE Seats	1	1823-010C P1D	361.69
	1 1/4	1823-012C P1D	441.67
	1 1/2	1823-015C P1D	463.25
	2	1823-020C P1D	593.31
	2 1/2	1823-025C P1D	868.08
	3	1823-030C P1D	1119.86
	4	1823-040C P1D	1669.35

Flanged ANSI 150

Fail-safe close	1/2	1833-005C P1D	329.70
FPM Seals	3/4	1833-007C P1D	349.17
PTFE Seats	1	1833-010C P1D	367.27
	1 1/4	1833-012C P1D	447.25
	1 1/2	1833-015C P1D	468.81
	2	1833-020C P1D	636.45
	2 1/2	1833-025C P1D	948.74
	3	1833-030C P1D	1132.39
	4	1833-040C P1D	1709.71

Inch Solvent Cement Sockets

Double Acting	1/2	1829-005C P3D	278.23
EPDM Seals	3/4	1829-007C P3D	290.75
PTFE Seats	1	1829-010C P3D	303.97
	1 1/4	1829-012C P3D	342.92
	1 1/2	1829-015C P3D	355.45
	2	1829-020C P3D	418.73
	2 1/2	1822-025C P3D	674.01
	3	1822-030C P3D	774.86
	4	1822-040C P3D	1101.77

Inch Solvent Cement Sockets

Double Acting	1/2	1839-005C P3D	283.10
FPM Seals	3/4	1839-007C P3D	296.31
PTFE Seats	1	1839-010C P3D	310.92
	1 1/4	1839-012C P3D	354.05
	1 1/2	1839-015C P3D	367.27
	2	1839-020C P3D	439.60
	2 1/2	1832-025C P3D	706.70
	3	1832-030C P3D	812.43
	4	1832-040C P3D	1172.72

Flanged ANSI 150

Double Acting	1/2	1823-005C P3D	306.74
EPDM Seals	3/4	1823-007C P3D	324.83
PTFE Seats	1	1823-010C P3D	340.82
	1 1/4	1823-012C P3D	391.61
	1 1/2	1823-015C P3D	413.17
	2	1823-020C P3D	504.28
	2 1/2	1823-025C P3D	776.25
	3	1823-030C P3D	1011.35
	4	1823-040C P3D	1498.26

Flanged ANSI 150

Double Acting	1/2	1833-005C P3D	308.83
FPM Seals	3/4	1833-007C P3D	328.31
PTFE Seats	1	1833-010C P3D	346.40
	1 1/4	1833-012C P3D	397.17
	1 1/2	1833-015C P3D	418.73
	2	1833-020C P3D	547.41
	2 1/2	1833-025C P3D	856.95
	3	1833-030C P3D	1023.88
	4	1833-040C P3D	1538.59

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

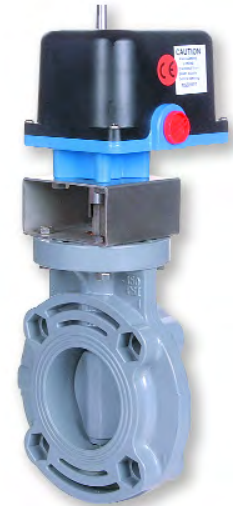
Frequency Range: 50/60 Hz

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	997.44
	2	252301- 020C E1AG	1012.73
	2 1/2	252301- 025C E1AG	1028.04
	3	252301- 030C E1AG	1051.70
	4	252301- 040C E1AG	1096.21
	6	252301- 060C E1AG	1733.34
	8	252301- 080C E1AG	2099.21

240v AC FPM Seals			
	1 1/2	253301- 015C E1AG	1235.32
	2	253301- 020C E1AG	1250.63
	2 1/2	253301- 025C E1AG	1292.37
	3	253301- 030C E1AG	1329.93
	4	253301- 040C E1AG	1471.82
	6	253301- 060C E1AG	2373.28
	8	253301- 080C E1AG	3181.52

110v AC EPDM Seals			
	1 1/2	252301- 015C E2AG	997.44
	2	252301- 020C E2AG	1012.73
	2 1/2	252301- 025C E2AG	1028.04
	3	252301- 030C E2AG	1051.70
	4	252301- 040C E2AG	1096.21
	6	252301- 060C E2AG	1733.34
	8	252301- 080C E2AG	2099.21

110v AC FPM Seals			
	1 1/2	253301- 015C E2AG	1235.32
	2	253301- 020C E2AG	1250.63
	2 1/2	253301- 025C E2AG	1292.37
	3	253301- 030C E2AG	1329.93
	4	253301- 040C E2AG	1471.82
	6	253301- 060C E2AG	2373.28
	8	253301- 080C E2AG	3181.52

24v AC EPDM Seals			
	1 1/2	252301- 015C E4AG	1064.21
	2	252301- 020C E4AG	1079.51
	2 1/2	252301- 025C E4AG	1094.82
	3	252301- 030C E4AG	1118.47
	4	252301- 040C E4AG	1162.99
	6	252301- 060C E4AG	1798.75
	8	252301- 080C E4AG	2165.98

24v AC FPM Seals			
	1 1/2	253301- 015C E4AG	1302.10
	2	253301- 020C E4AG	1317.40
	2 1/2	253301- 025C E4AG	1359.13
	3	253301- 030C E4AG	1396.69
	4	253301- 040C E4AG	1538.58
	6	253301- 060C E4AG	2440.05
	8	253301- 080C E4AG	3248.30

24v DC EPDM Seals			
	1 1/2	252301- 015C E3AG	1064.21
	2	252301- 020C E3AG	1079.51
	2 1/2	252301- 025C E3AG	1094.82
	3	252301- 030C E3AG	1118.47
	4	252301- 040C E3AG	1162.99
	6	252301- 060C E3AG	1798.75
	8	252301- 080C E3AG	2165.98

24v DC FPM Seals			
	1 1/2	253301- 015C E3AG	1302.10
	2	253301- 020C E3AG	1317.40
	2 1/2	253301- 025C E3AG	1359.13
	3	253301- 030C E3AG	1396.69
	4	253301- 040C E3AG	1538.58
	6	253301- 060C E3AG	2440.05
	8	253301- 080C E3AG	3248.30

Electric Actuated Valve Options

Switch Options	Price
Open/Closed	included
Open/Closed plus 2 x extra volt free	93.52
Actuator Options	
Reversible actuator with manual override	standard
Uni-directional actuator without manual override	on application
Customer specification actuator	on application
EEXD version actuator	on application
Power Options	
110v AC	standard
240v AC	free option
24v DC	on application
24v AC	on application
Extra Options	
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	516.80
	2	252301- 020C P1D	569.66
2 1/2	252301- 025C P1D	648.95	
3	252301- 030C P1D	762.34	
4	252301- 040C P1D	952.93	
6	252301- 060C P1D	1230.47	
8	252301- 080C P1D	1720.84	

Fail-safe close FPM Seals	1 1/2	253301- 015C P1D	755.40
	2	253301- 020C P1D	808.94
2 1/2	253301- 025C P1D	914.67	
3	253301- 030C P1D	1041.27	
4	253301- 040C P1D	1328.52	
6	253301- 060C P1D	1817.08	
8	253301- 080C P1D	2803.13	

Double Acting EPDM Seals	1 1/2	252301- 015C P3D	436.12
	2	252301- 020C P3D	473.67
2 1/2	252301- 025C P3D	530.71	
3	252301- 030C P3D	570.99	
4	252301- 040C P3D	699.04	
6	252301- 060C P3D	963.35	
8	252301- 080C P3D	1411.99	

Double Acting FPM Seals	1 1/2	253301- 015C P3D	674.70
	2	253301- 020C P3D	712.26
2 1/2	253301- 025C P3D	852.07	
3	253301- 030C P3D	878.51	
4	253301- 040C P3D	1075.35	
6	253301- 060C P3D	1603.97	
8	253301- 080C P3D	2494.30	

Fail-safe open EPDM Seals	1 1/2	252301- 015C P2D	516.80
	2	252301- 020C P2D	569.66
2 1/2	252301- 025C P2D	648.95	
3	252301- 030C P2D	762.34	
4	252301- 040C P2D	952.93	
6	252301- 060C P2D	1230.47	
8	252301- 080C P2D	1720.84	

Fail-safe open FPM Seals	1 1/2	253301- 015C P2D	755.40
	2	253301- 020C P2D	808.94
2 1/2	253301- 025C P2D	914.67	
3	253301- 030C P2D	1041.27	
4	253301- 040C P2D	1328.52	
6	253301- 060C P2D	1871.08	
8	253301- 080C P2D	2803.13	

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	87.47
IP65 Technopolymer 2 x proximity switches EEXIA	342.15
IP67 Polycarbonate 2 x V3 gold plated switches	118.34
IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	185.21
IP67 Polycarbonate 2 x proximity switches EEXIA	295.84
IP67 Aluminium 2 x V3 gold plated switches EEXD	308.70
Solenoid Valve Options	
240v AC Solenoid	90.03
110v AC Solenoid	90.03
24v DC Solenoid	90.03
24v AC Solenoid	90.03