

# Actuated Valves



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Note: Valve for illustration purposes only

## Valve Actuation

Almost all the valves we supply can be automated.

From simple air actuation, to complex configurations, we can build a unit to your exact specifications.

Our in house experts can advise you on the options available and suggest the most suitable unit for your application. The valves are normally assembled by our dedicated valve actuation team, who can provide comprehensive after sales service.

Standard valves are shown on the following pages, but please contact Tony Welsh for any special requirements you may have.



## Praher Type S4 Electrically Actuated Ball Valve

**Description:** In-line ball valve with electric actuator  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** Sizes up to 63mm - 10 bar; 75mm - 6 bar; 90mm - 5 bar; 110mm - 4 bar  
**Fluid Temperature Range:** 0°C-80°C  
**Construction:**  
**Body:** Polypropylene  
**Seals:** EPDM or FPM  
**Seats:** PTFE  
**End Connections:** Fusion Sockets, Fusion Spigots, BSP Threaded, Flanged BS4504 EN1072 PN10  
**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.



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### MM Fusion Sockets

	Size	Code	Price
110v ac EPDM Seats PTFE Seats	16	12 1378 E2AG	743.96
	20	12 1379 E2AG	753.08
	25	12 1381 E2AG	768.42
	32	12 1383 E2AG	780.97
	40	12 1385 E2AG	807.77
	50	12 1387 E2AG	838.91
	63	12 1389 E2AG	880.70
	75	12 1391 E2AG	1403.57
	90	12 1393 E2AG	1628.62
	110	12 2094 E2AG	1727.39

### MM Fusion Sockets

	Size	Code	Price
110v ac FPM Seats PTFE Seats	16	12 1377 E2AG	760.46
	20	12 1412 E2AG	763.71
	25	12 1380 E2AG	781.35
	32	12 1382 E2AG	796.54
	40	12 1384 E2AG	825.64
	50	12 1386 E2AG	858.84
	63	12 1388 E2AG	904.43
	75	12 1390 E2AG	1450.08
	90	12 1392 E2AG	1697.74
	110	12 2115 E2AG	1816.66

### Electric Actuated Valve Options

Switch Options	Price
Open/Closed	included
Open/Closed plus 2 x extra volt free	123.92
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

### Pneumatic Actuated Valve Options

Body Material Options	Price
Technopolymer	standard
Hard anodised aluminium	free option
Stainless steel	on application
Double pack epoxy coated	on application
Switchbox Options (with beacon)	
IP65 Technopolymer 2 x mechanical switches	115.88
IP65 Technopolymer 2 x proximity switches EEXIA	453.55
IP67 Polycarbonate 2 x V3 gold plated switches	156.79
IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	371.37
IP67 Polycarbonate 2 x proximity switches EEXIA	340.70
IP67 Aluminium 2 x V3 gold plated switches EEXD	409.02
Solenoid Valve Options	
240v AC Solenoid	119.28
110v AC Solenoid	119.28
24v DC Solenoid	119.28
24v AC Solenoid	119.28



### Technical Resources

Register online for our technical catalogue

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Scan the QR code or call our technical team on:

**0800 975 79 71**



## Praher Type S4 Pneumatically Actuated Ball Valve

**Description:** In-line ball valve with pneumatic operation  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** Sizes up to 75mm - 10 bar;  
 Sizes 90mm and 110mm - 6 bar  
**Fluid Temperature Range:** 0°C-80°C  
**Construction:**  
**Body:** Polypropylene  
**Seals:** EPDM or FPM  
**Seats:** PTFE  
**End Connections:** Fusion Sockets, Fusion Spigots, BSP Threaded,  
 Flanged BS4504 EN1072 PN10  
**Actuation:**  
**Housing Material:** Plastic (optional aluminium)  
**Air Actuators:** Fail-safe close, Fail-safe open, double acting  
**Protection:** IP65  
**Manual Override:** Optional  
**Position Indicator:** Included  
**Contacts:** Optional limit switch box with two mechanical switches  
**Pilot Valve:** Solenoid, not included



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### MM Fusion Sockets

Fail-safe Close EPDM Seals PTFE Seats	Size	Code	Price
	16	12 1378 P1A	395.91
	20	12 1379 P1A	398.39
	25	12 1381 P1A	412.93
	32	12 1383 P1A	425.06
	40	12 1385 P1A	491.55
	50	12 1387 P1A	522.45
	63	12 1389 P1A	648.78
	75	12 1391 P1A	959.94
	90	12 1393 P1A	1278.01
	110	12 2094 P1A	1500.41

### MM Fusion Spigots

Fail-safe Close EPDM Seals PTFE Seats	Size	Code	Price
	16	12 1430 P1A	395.91
	20	12 1432 P1A	398.39
	25	12 1434 P1A	412.93
	32	12 1436 P1A	425.06
	40	12 1438 P1A	491.55
	50	12 1440 P1A	522.45
	63	12 1442 P1A	648.78
	75	12 1444 P1A	959.94
	90	12 1446 P1A	1278.01
	110	12 2508 P1A	1500.41

### MM Fusion Sockets

Double Acting EPDM Seals PTFE Seats	Size	Code	Price
	16	12 1378 P3A	367.15
	20	12 1379 P3A	369.64
	25	12 1381 P3A	384.21
	32	12 1383 P3A	396.29
	40	12 1385 P3A	422.54
	50	12 1387 P3A	453.43
	63	12 1389 P3A	527.03
	75	12 1391 P3A	833.37
	90	12 1393 P3A	1243.48
	110	12 2094 P3A	1264.56

### MM Fusion Spigots

Double Acting EPDM Seals PTFE Seats	Size	Code	Price
	16	12 1430 P3A	367.15
	20	12 1432 P3A	369.64
	25	12 1434 P3A	384.21
	32	12 1436 P3A	396.29
	40	12 1438 P3A	422.54
	50	12 1440 P3A	453.43
	63	12 1442 P3A	527.03
	75	12 1444 P3A	833.37
	90	12 1446 P3A	1243.48
	110	12 2508 P3A	1264.39

### MM Fusion Sockets

Fail-safe Close FPM Seals PTFE Seats	Size	Code	Price
	16	12 1377 P1A	406.07
	20	12 1412 P1A	408.74
	25	12 1380 P1A	426.23
	32	12 1382 P1A	440.55
	40	12 1384 P1A	509.79
	50	12 1386 P1A	542.97
	63	12 1388 P1A	672.95
	75	12 1390 P1A	1006.90
	90	12 1392 P1A	1347.96
	110	12 2115 P1A	1589.56

### MM Fusion Spigots

Fail-safe Close FPM Seals PTFE Seats	Size	Code	Price
	16	12 1431 P1A	406.07
	20	12 1433 P1A	408.74
	25	12 1435 P1A	426.23
	32	12 1437 P1A	440.55
	40	12 1439 P1A	509.79
	50	12 1441 P1A	542.97
	63	12 1443 P1A	672.95
	75	12 1445 P1A	1006.90
	90	12 1447 P1A	1347.96
	110	12 2509 P1A	1589.56

### MM Fusion Sockets

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	16	12 1377 P3A	377.30
	20	12 1412 P3A	379.98
	25	12 1380 P3A	397.44
	32	12 1382 P3A	411.80
	40	12 1384 P3A	440.55
	50	12 1386 P3A	473.94
	63	12 1388 P3A	550.23
	75	12 1390 P3A	880.37
	90	12 1392 P3A	1198.44
	110	12 2115 P3A	1353.71

### MM Fusion Spigots

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	16	12 1431 P3A	377.30
	20	12 1433 P3A	379.98
	25	12 1435 P3A	397.44
	32	12 1437 P3A	411.80
	40	12 1439 P3A	440.77
	50	12 1441 P3A	473.94
	63	12 1443 P3A	550.23
	75	12 1445 P3A	880.37
	90	12 1447 P3A	1198.44
	110	12 2509 P3A	1353.71

Requires pilot valve - enquire for details.

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

## Praher Type T4 Pneumatically Actuated Diaphragm Valve

**Description:** In-line pneumatically operated diaphragm valve

**Mounting:** In any position

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

**Fluid Temperature Range:** 0°C-80°C

**Construction:**

**Body:** Polypropylene

**Seals:** EPDM, FPM or PTFE (EPDM backed)

**End Connections:** Fusion Spigots, Flanged BS4504 EN1072 PN10, Fusion Socket Unions

**Actuation:**

**Housing Material:** Glass reinforced polypropylene

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

**Protection:** IP65

**Manual Override:** Included

**Position Indicator:** Included

**Contacts:** Optional

**Pilot Valve:** Solenoid, not included



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		MM Fusion Spigots		
		Size	Code	Price
Fail-safe Close EPDM Diaphragm	20	12 5679		243.48
	25	12 5681		249.25
	32	12 5683		353.75
	40	12 5685		438.10
	50	12 5687		438.10
	63	12 5689		545.43

		Flanged PN10		
		Size	Code	Price
Fail-safe Close EPDM Diaphragm	20	12 5722		284.73
	25	12 5724		290.44
	32	12 5726		370.00
	40	12 5728		481.20
	50	12 5730		496.57
	63	12 5732		580.63

		MM Fusion Spigots		
		Size	Code	Price
Fail-safe Open EPDM Diaphragm	20	12 5679 FSO		243.48
	25	12 5681 FSO		249.25
	32	12 5683 FSO		353.75
	40	12 5685 FSO		438.10
	50	12 5687 FSO		438.10
	63	12 5689 FSO		545.43

		Flanged PN10		
		Size	Code	Price
Fail-safe Open EPDM Diaphragm	20	12 5722 FSO		284.39
	25	12 5724 FSO		290.44
	32	12 5726 FSO		369.99
	40	12 5728 FSO		481.21
	50	12 5730 FSO		496.56
	63	12 5732 FSO		507.32

		MM Fusion Spigots		
		Size	Code	Price
Fail-safe Close PTFE Diaphragm	20	12 5680		255.95
	25	12 5682		261.71
	32	12 5684		370.00
	40	12 5686		481.20
	50	12 5688		496.57
	63	12 5690		611.58

		Flanged PN10		
		Size	Code	Price
Fail-safe Close PTFE Diaphragm	20	12 5723		297.16
	25	12 5725		302.91
	32	12 5727		394.96
	40	12 5729		502.30
	50	12 5731		552.15
	63	12 5733		671.97

		MM Fusion Spigots		
		Size	Code	Price
Fail-safe Open PTFE Diaphragm	20	12 5680 FSO		255.94
	25	12 5682 FSO		261.71
	32	12 5684 FSO		370.00
	40	12 5686 FSO		481.21
	50	12 5688 FSO		496.56
	63	12 5690 FSO		611.59

		Flanged PN10		
		Size	Code	Price
Fail-safe Open PTFE Diaphragm	20	12 5723 FSO		297.15
	25	12 5725 FSO		302.91
	32	12 5727 FSO		394.96
	40	12 5729 FSO		502.30
	50	12 5731 FSO		552.15
	63	12 5733 FSO		671.97

Requires pilot valve - enquire for details.