

Actuated Valves



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 operation

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 - 120°C

Construction:

Body: PVDF

Seals: FPM

Seats: PTFE

End Connections: Fusion sockets, fusion spigots, BSP Female Threaded or flanged BS4504 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.



MM Fusion Sockets

110v AC FPM Seals PTFE Seats	Size	Code	Price
	16	12 1449 E2AG	694.48
	20	12 1450 E2AG	696.29
	25	12 1448 E2AG	725.17
	32	12 1451 E2AG	760.66
	40	12 1452 E2AG	812.92
	50	12 1453 E2AG	900.86
	63	12 1454 E2AG	1013.66
	75	12 1455 E2AG	1549.53
	90	12 1456 E2AG	1781.81
	110	12 2032 E2AG	2219.78

MM Fusion Spigots

110v AC FPM Seals PTFE Seats	Size	Code	Price
	16	12 2259 E2AG	694.48
	20	12 1491 E2AG	696.29
	25	12 1492 E2AG	725.17
	32	12 1493 E2AG	760.66
	40	12 1494 E2AG	812.92
	50	12 1495 E2AG	900.86
	63	12 1496 E2AG	1013.66
	75	12 1497 E2AG	1549.53
	90	12 1498 E2AG	1781.81
	110	12 2012 E2AG	2219.78

Electric Actuated Valve Options		Pneumatic Actuated Valve Options	
Switch Options	Price	Body Material Options	Price
Open/Closed	included	Technopolymer	standard
Open/Closed plus 2 x extra volt free	108.27	Hard anodised aluminium	free option
Actuator Options		Stainless steel	on application
Reversible actuator with manual override	standard	Double pack epoxy coated	on application
Uni-directional actuator without manual override	on application	Switchbox Options (with beacon)	
Customer specification actuator	on application	IP65 Technopolymer 2 x mechanical switches	101.25
EEXD version actuator	on application	IP65 Technopolymer 2 x proximity switches EEXIA	390.83
Power Options		IP67 Polycarbonate 2 x V3 gold plated switches	139.99
110v AC	standard	IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	214.40
240v AC	free option	IP67 Polycarbonate 2 x proximity switches EEXIA	342.48
24v DC	on application	IP67 Aluminium 2 x V3 gold plated switches EEXD	357.26
24v AC	on application	Solenoid Valve Options	
Extra Options		240v AC Solenoid	104.22
Heater and thermostat	on application	110v AC Solenoid	104.22
4 - 20Ma positioner	on application	24v DC Solenoid	104.22
Fail-Safe operation	on application	24v AC Solenoid	104.22



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 - 16 bar;
 Sizes 90mm to 110mm - 10 bar
Fluid Temperature Range: 0°C - 120°C
Construction:
Body: PVDF
Seals: FPM
Seals: PTFE
End Connections: Fusion sockets, fusion spigots or BSP Female
 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



MM Fusion Sockets

	Size	Code	Price
Fail-safe close	16	12.1449 P1A	389.19
	20	12.1450 P1A	391.02
FPM Seals	25	12.1448 P1A	419.91
PTFE Seals	32	12.1451 P1A	455.42
	40	12.1452 P1A	542.48
	50	12.1453 P1A	629.61
	63	12.1454 P1A	816.26
	75	12.1455 P1A	1169.61
	90	12.1456 P1A	1481.52
	110	12.2033 P1A	2025.66

MM Fusion Spigots

	Size	Code	Price
Fail-safe close	16	12.2259 P1A	389.19
	20	12.1491 P1A	391.02
FPM Seals	25	12.1492 P1A	419.91
PTFE Seals	32	12.1493 P1A	455.42
	40	12.1494 P1A	542.48
	50	12.1495 P1A	629.61
	63	12.1496 P1A	816.26
	75	12.1497 P1A	1169.61
	90	12.1498 P1A	1481.52
	110	12.2012 P1A	2025.66

BSP Female Threaded

	Size	Code	Price
Fail-safe close	3/8	12.2093 P1A	389.19
	1/2	12.1482 P1A	391.02
FPM Seals	3/4	12.1483 P1A	419.91
PTFE Seals	1	12.1484 P1A	455.42
	1 1/4	12.1485 P1A	542.48
	1 1/2	12.1486 P1A	629.61
	2	12.1487 P1A	816.26

Flanged BS4504 PN10/16

	Size	Code	Price
Fail-safe close	1/2	12.2025 P1A	478.31
	3/4	12.2026 P1A	558.26
FPM Seals	1	12.2027 P1A	619.65
PTFE Seals	1 1/4	12.2502 P1A	744.08
	1 1/2	12.2503 P1A	902.50
	2	12.2504 P1A	1167.98
	2 1/2	12.2505 P1A	1751.93
	3	12.2506 P1A	2352.50

MM Fusion Sockets

	Size	Code	Price
Double Acting	16	12.1449 P3A	364.33
	20	12.1450 P3A	366.17
FPM Seals	25	12.1448 P3A	395.03
PTFE Seals	32	12.1451 P3A	430.53
	40	12.1452 P3A	482.79
	50	12.1453 P3A	569.91
	63	12.1454 P3A	710.07
	75	12.1455 P3A	1060.13
	90	12.1456 P3A	1352.11
	110	12.2032 P3A	1821.61

MM Fusion Spigots

	Size	Code	Price
Double Acting	16	12.2259 P3A	364.33
	20	12.1491 P3A	366.17
FPM Seals	25	12.1492 P3A	395.03
PTFE Seals	32	12.1493 P3A	430.53
	40	12.1494 P3A	482.79
	50	12.1495 P3A	569.91
	63	12.1496 P3A	710.07
	75	12.1497 P3A	1060.13
	90	12.1498 P3A	1352.11
	110	12.2012 P3A	1821.61

BSP Female Threaded

	Size	Code	Price
Double Acting	3/8	12.2093 P3A	364.33
	1/2	12.1482 P3A	366.17
FPM Seals	3/4	12.1483 P3A	395.03
PTFE Seals	1	12.1484 P3A	430.53
	1 1/4	12.1485 P3A	482.79
	1 1/2	12.1486 P3A	569.91
	2	12.1487 P3A	710.07

Flanged BS4504 PN10/16

	Size	Code	Price
Double Acting	1/2	12.2025 P3A	453.41
	3/4	12.2026 P3A	533.38
FPM Seals	1	12.2027 P3A	594.77
PTFE Seals	1 1/4	12.2502 P3A	684.37
	1 1/2	12.2503 P3A	842.78
	2	12.2504 P3A	1061.76
	2 1/2	12.2505 P3A	1642.44
	3	12.2506 P3A	2223.09

Requires pilot valve - enquire for details.
 Also available 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-120°C
Construction:
Body: PVDF
Diaphragm: PTFE (EPDM backed)
End Connections: Fusion spigots, flanged to BS4504 EN1072 PN10
Actuation:
Housing Material: Glass reinforced Polypropylene
Air Actuators: Fail-safe close, fail-safe open
Protection: IP65
Manual Override: Optional
Position Indicator: Included
Contacts: Optional
Pilot Valve: Solenoid, not included



MM Fusion Spigots

Fail-safe close
PTFE Diaphragm

Size	Code	Price
20	12.5742	369.15
25	12.5743	374.93
32	12.5744	491.05
40	12.5745	640.37
50	12.5746	745.74
63	12.5747	875.96

Flanged PN10/16

Fail-safe close
PTFE Diaphragm

Size	Code	Price
20	12.5756	492.73
25	12.5757	499.36
32	12.5758	559.08
40	12.5759	695.13
50	12.5760	861.05
63	12.5761	1045.19



Custom Actuation

We can provide standard actuation or design solutions for your control systems. Call Tony Welsh on:

0800 975 79 71

