

actuated valves

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

	Size	Code	Price
110v AC	16	12 1449 E2AG	794.83
FPM Seals	20	12 1450 E2AG	796.91
PTFE Seats	25	12 1448 E2AG	829.96
	32	12 1451 E2AG	870.58
	40	12 1452 E2AG	930.38
	50	12 1453 E2AG	1031.04
	63	12 1454 E2AG	1160.13
	75	12 1455 E2AG	1773.44
	90	12 1456 E2AG	2039.28
	110	12 2032 E2AG	2540.54

MM Fusion Spigots

	Size	Code	Price
110v AC	16	12 2259 E2AG	794.83
FPM Seals	20	12 1491 E2AG	796.91
PTFE Seats	25	12 1492 E2AG	829.96
	32	12 1493 E2AG	870.58
	40	12 1494 E2AG	930.38
	50	12 1495 E2AG	1031.04
	63	12 1496 E2AG	1160.13
	75	12 1497 E2AG	1773.44
	90	12 1498 E2AG	2039.28
	110	12 2012 E2AG	2540.54

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	123.92	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	115.88
EEXD version actuator	on application	IP65 Technopolymer 2 x proximity switches EEXIA	447.30
Power Options		IP67 Polycarbonate 2 x V3 gold plated switches	160.22
110v AC	standard	IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	245.38
240v AC	free option	IP67 Polycarbonate 2 x proximity switches EEXIA	391.97
24v DC	on application	IP67 Aluminium 2 x V3 gold plated switches EEXD	408.88
24v AC	on application	Solenoid Valve Options	
Extra Options		240v AC Solenoid	119.28
Heater and thermostat	on application	110v AC Solenoid	119.28
4 - 20Ma positioner	on application	24v DC Solenoid	119.28
Fail-Safe operation	on application	24v AC Solenoid	119.28

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

Seats: 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



7

MM Fusion Sockets

Fail-safe close FPM Seals PTFE Seats	Size	Code	Price
	16	12.1449 P1A	445.43
	20	12.1450 P1A	447.52
	25	12.1448 P1A	480.59
	32	12.1451 P1A	521.23
	40	12.1452 P1A	620.87
	50	12.1453 P1A	720.58
	63	12.1454 P1A	934.21
	75	12.1455 P1A	1338.61
	90	12.1456 P1A	1695.60
	110	12.2033 P1A	2318.37

BSP Female Threaded

Fail-safe close FPM Seals PTFE Seats	Size	Code	Price
	3/8	12.2093 P1A	445.43
	1/2	12.1482 P1A	447.52
	3/4	12.1483 P1A	480.59
	1	12.1484 P1A	521.23
	1 1/4	12.1485 P1A	620.87
	1 1/2	12.1486 P1A	720.58
	2	12.1487 P1A	934.21

MM Fusion Sockets

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	16	12.1449 P3A	416.98
	20	12.1450 P3A	419.09
	25	12.1448 P3A	452.11
	32	12.1451 P3A	492.74
	40	12.1452 P3A	552.55
	50	12.1453 P3A	652.26
	63	12.1454 P3A	812.68
	75	12.1455 P3A	1213.32
	90	12.1456 P3A	1547.49
	110	12.2032 P3A	2084.83

BSP Female Threaded

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	3/8	12.2093 P3A	416.98
	1/2	12.1482 P3A	419.09
	3/4	12.1483 P3A	452.11
	1	12.1484 P3A	492.74
	1 1/4	12.1485 P3A	552.55
	1 1/2	12.1486 P3A	652.26
	2	12.1487 P3A	812.68

MM Fusion Spigots

Fail-safe close FPM Seals PTFE Seats	Size	Code	Price
	16	12.2259 P1A	445.43
	20	12.1491 P1A	447.52
	25	12.1492 P1A	480.59
	32	12.1493 P1A	521.23
	40	12.1494 P1A	620.87
	50	12.1495 P1A	720.58
	63	12.1496 P1A	934.21
	75	12.1497 P1A	1338.61
	90	12.1498 P1A	1695.60
	110	12.2012 P1A	2318.37

Flanged BS4504 PN10/16

Fail-safe close FPM Seals PTFE Seats	Size	Code	Price
	1/2	12.2025 P1A	547.43
	3/4	12.2026 P1A	638.93
	1	12.2027 P1A	709.19
	1 1/4	12.2502 P1A	851.60
	1 1/2	12.2503 P1A	1032.92
	2	12.2504 P1A	1336.76
	2 1/2	12.2505 P1A	2055.08
	3	12.2506 P1A	2692.44

MM Fusion Spigots

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	16	12.2259 P3A	416.98
	20	12.1491 P3A	419.08
	25	12.1492 P3A	452.11
	32	12.1493 P3A	492.74
	40	12.1494 P3A	552.55
	50	12.1495 P3A	652.26
	63	12.1496 P3A	812.68
	75	12.1497 P3A	1213.32
	90	12.1498 P3A	1547.49
	110	12.2012 P3A	2084.83

Flanged BS4504 PN10/16

Double Acting FPM Seals PTFE Seats	Size	Code	Price
	1/2	12.2025 P3A	518.93
	3/4	12.2026 P3A	610.45
	1	12.2027 P3A	680.72
	1 1/4	12.2502 P3A	783.26
	1 1/2	12.2503 P3A	964.56
	2	12.2504 P3A	1215.19
	2 1/2	12.2505 P3A	1879.77
	3	12.2506 P3A	2544.33

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	422.49
25	12.5743	429.10
32	12.5744	562.00
40	12.5745	732.90
50	12.5746	853.50
63	12.5747	1002.54

Flanged PN10/16

Fail-safe close
PTFE Diaphragm

Size	Code	Price
20	12.5756	563.93
25	12.5757	571.52
32	12.5758	639.87
40	12.5759	795.57
50	12.5760	985.47
63	12.5761	1196.22

7



Custom Actuation
 We can provide standard actuation or design solutions for your control systems. Call Tony Welsh on:
0800 975 79 71

