



## Mechanically Actuated Ball Valves



### Mechanically Actuated Valves



Pneumatic Valves - Materials: Body: Aluminium11S - Springs: Stainless Steel - Seals: NBR Spool: Nickel Plated Aluminium Internal Parts: Brass OT58 - Specification: Nominal Orifice: 5mm - Actuation Force: Direct actuation 40N Servo/Piloted Actuation 4N - Fluid: 50µ Filtered, Lubricated or Non Lubricated air - Temperature Range: Max +60°C Working Pressure: Direct Actuation: Max 10 bar Servo/Piloted Actuation: 2.5 to 10 bar

Part No.	Function	Description	Thread Size	Price £
321MR	3/2	Roller Lever	G1/8	51.85
321MRU	3/2	Unidirectional Roller Lever	G1/8	56.48
321MP	3/2	Pushrod	G1/8	35.70
521MR	5/2	Roller Lever	G1/8	57.84
521MRU	5/2	Unidirectional Roller Lever	G1/8	43.01
521MP	5/2	Pushrod	G1/8	41.23

### Manually Actuated Spool Valves



Pneumatic Valves - Specification: Nominal Orifice: G1/8: 5mm and G1/4: 7.5mm - Fluid: 50µ Filtered, Lubricated or Non Lubricated Air - Materials: Body: Aluminium11S Springs: Stainless Steel Seals: NBR Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58 - Temperature Range: Max +60°C - Working Pressure: Direct Actuation : Max 10 bar Servo/Piloted Actuation: 2.5 to 10 bar - Can Be Mounted Horizontally Or Vertically

Part No.	Function	Description	Thread Size	Price £
321MT	3/2 Push/Pull	Spring Return	G1/8	33.45
321TT	3/2 Push/Pull	Detent	G1/8	33.24
322MT	3/2 Push/Pull	Spring Return	G1/4	40.21
322TT	3/2 Push/Pull	Detent	G1/4	39.95
321LL	3/2 Axial Lever	Detent	G1/8	43.10
322LL	3/2 Axial Lever	Detent	G1/4	52.19
321ML90	3/2 90° Lever	Spring Return	G1/8	50.07
321LL90	3/2 90° Lever	Detent	G1/8	49.81
322ML90	3/2 90° Lever	Spring Return	G1/4	59.67
322LL90	3/2 90° Lever	Detent	G1/4	59.42
521TT	5/2 Push/Pull	Detent	G1/8	27.50
522MT	5/2 Push/Pull	Detent	G1/4	47.94
522TT	5/2 Push/Pull	Detent	G1/4	47.64
521LL	5/2 Axial Lever	Detent	G1/8	47.94
522LL	5/2 Axial Lever	Detent	G1/4	59.42
521ML90	5/2 90° Lever	Spring Return	G1/8	55.17
521LL90	5/2 90° Lever	Detent	G1/8	54.87
522ML90	5/2 90° Lever	Spring Return	G1/4	66.39
522LL90	5/2 90° Lever	Detent	G1/4	66.13

Panel Mount Valves



Pneumatic Valves

Part No.	Function	Description	Thread Size	Price £
305MB	3/2 - A	3/2 Normally Closed	M5	12.54
315MB	3/2 - A	3/2 Normally Open	M5	20.32
304MB	3/2 - A	3/2 Normally Closed	4mm Push-In	20.83
314MB	3/2 - A	3/2 Normally Open	4mm Push-In	23.08
504MBCU	5/2 - B	5/2 Ported Body	4mm Push-In	39.74
2.304MBCU	5/3 - B	5/3 Spring Return - Open Centre	4mm Push-In	37.83
321MB	3/2 - D	3/2 Pilot Assisted - Spring Return Axial Mount	G1/8	44.97
521MB	5/2 - D	5/2 Pilot Assisted - Spring Return Axial Mount	G1/8	50.07
321MB90	3/2 - C	3/2 90° Pilot Assisted - Spring Return	G1/8	45.22
521MB90	5/2 - C	5/2 90° Pilot Assisted - Spring Return	G1/8	50.32

Adaptors For Panel Mount Actuator



Pneumatic Valves - Adapt a mechanical or manual valve from the range, into a panel mountable valve by using this adaptor plate. Complete with Screws

Part No.	Description	Price £
08.015.2	Single Adaptor	1.87
08.017.2	Double Adaptor	1.87



## Panel Mount Actuators

### Long Lever



Pneumatic Valves

Part No.	Description	Price £
RM400N	2-Position - Manual Return	36.76
RM450N	2-Position - Spring Return	36.76
RM413N	3-Position - Manual Return	28.72

### AZ Pneumatica® Ø40 Mushroom Type Push Button



Material : High performance plastic material - Protection degree : IP 55 - According to norms : EN 60947-5-1 VDE 0660 IEC 947-5 - Temperature range : max +55°C - Mechanical life time : 500000 Actuations

Part No.	Colour	Description	Price £
PF2/40	Red	Axial Mono-Stable	9.58
PF1/40	Black	Axial Mono-Stable	9.58
PFB2/40	Red	Turn to unlock	17.00

### AZ Pneumatica® Short Lever Selector



Material : High performance plastic material - Protection degree : IP 55 - According to norms : EN 60947-5-1 VDE 0660 IEC 947-5 - Temperature range : max +55°C - Mechanical life time : 500000 Actuations

Part No.	Colour	Function	Price £
SS1/CD	Black	0 1	11.89
SS1/CD-R	Black	0 ← 1	11.89
SS1/E	Black	2 0 1	11.89
SS1/E-RC	Black	2 → 0 ← 1	11.89

### AZ Pneumatica® Ø60 Palm Type Push Button



Material : High performance plastic material - Protection degree : IP 55 - According to norms : EN 60947-5-1 VDE 0660 IEC 947-5 - Temperature range : max +55°C - Mechanical life time : 500000 Actuations

Part No.	Colour	Description	Price £
PFBA2	Red	Multi-directional	15.71
PFB2/60	Red	Turn to unlock	17.00

### Replacement Disk



Pneumatic Valves

Part No.	Description	Price £
P22804V	Green	0.73
P22804G	Yellow	0.73
P22804A	Light Blue	0.73

### AZ Pneumatica® Protected Push Button



Material : High performance plastic material - Protection degree : IP 55 - According to norms : EN 60947-5-1 VDE 0660 IEC 947-5 - Temperature range : max +55°C - Mechanical life time : 500000 Actuations

Part No.	Description	Price £
PR1/NRB	Red - Black and White (Supplied In Kit)	7.06
DCN1	Black	0.21
DCR1	Red	0.21
DCV1	Green	0.21
DCG1	Yellow	0.21
DCA1	Light Blue	0.21
DCB1	White	0.21

### AZ Pneumatica® 2 Positions key Selector



Material : High performance plastic material - Protection degree : IP 55 - According to norms : EN 60947-5-1 VDE 0660 IEC 947-5 - Temperature range : max +55°C - Mechanical life time : 500000 Actuations

Part No.	Position to Pull the key out	Price £
SSC/CD-V	Only in central position	18.88
SSC/CD-Z	Both Positions	18.88

**See Parker Section 1  
Pages 25-27  
For More Push  
Button & lever  
Operated Valves**



Pneumatically Piloted Valves



3/2 Pilot/Pilot



5/2 Pilot/Pilot

Pneumatic Valves - Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58 - Specification: Nominal Orifice: for G1/8 - 5mm and for G1/4 - 7.5 mm - Actuating Force: Mono-stable: 2.5 to 10 bar and Bi-Stable: 1 to 10 bar - Working Pressure: 10 bar - Temperature Range: Max +60°C - Fluid: 50µ Filtered, Lubricated or Non Lubricated Air

Part No.	Function	Description	Thread Size	Price £
321MC	3/2	3/2 Pilot/Spring Normally Closed	G1/8	24.65
322MC	3/2	3/2 Pilot/Spring Normally Closed	G1/4	44.29
321CC	3/2	3/2 Pilot/Pilot	G1/8	38.85
322CC	3/2	3/2 Pilot/Pilot	G1/4	33.24
521MC	5/2	5/2 Pilot/Spring	G1/8	41.31
522MC	5/2	5/2 Pilot/Spring	G1/4	51.51
521CC	5/2	5/2 Pilot/Pilot	G1/8	44.54
522CC	5/2	5/2 Pilot/Pilot	G1/4	55.34

Response Time			
Description	Size	Time to Actuate	Time to Return
Single Pilot	1/8"	10ms	25ms
Single Pilot	1/4"	10ms	13ms
Double Pilot	1/8"	8ms	10ms
Double Pilot	1/4"	10ms	16ms

Namur Valves



Pneumatic Valves - Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58 Nominal Orifice: 7.5 mm - Temperature Range: Max +60°C - Fluid: 50µ Filtered, Lubricated or Non Lubricated Air - Coil Not Included

Part No.	Description	Thread Size	Working Pressure (bar)	Price £
382MC	3/2 NC Pneumatic Pilot-Spring Return	G1/4	0-10	39.19
582MC	5/2 Pneumatic Pilot-Spring Return	G1/2	0-10	56.40
382ME	3/2 NC Solenoid Pilot-Spring Return	G1/4	2.5-10	77.69
582ME	5/2 Solenoid Pilot-Spring Return	G1/4	2.5-10	79.52
582EE	5/2 Double Solenoid Pilot	G1/4	1-10	73.44



## Solenoid Actuated Valves

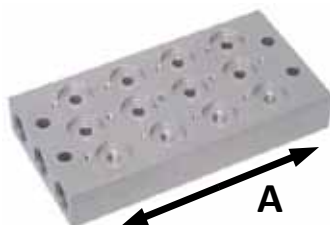


Pneumatic Valves - Specification: Nominal Orifice: for G1/8 - 5mm and for G1/4 - 7.5 mm - Working Pressure: Mono-Stable: 2.5 to 10 bar and Bi-Stable: 1 to 10 bar - Temperature Range: Max +60°C - Fluid: 50μ Filtered, Lubricated or Non Lubricated Air - Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR - Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58 - **Coil Not Included**

Part No.	Function	Description	Thread Size	Price £
321ME	3/2	3/2 Solenoid Pilot/Spring Normally Closed	G1/8	57.38
322ME	3/2	3/2 Solenoid Pilot/Spring Normally Closed	G1/4	66.30
521EE	5/2	5/2 Solenoid Pilot/Solenoid Pilot	G1/8	87.72
522EE	5/2	5/2 Solenoid Pilot/Solenoid Pilot	G1/4	99.71
521ME	5/2	5/2 Solenoid Pilot/Spring	G1/8	60.95
522ME	5/2	5/2 Solenoid Pilot/Spring	G1/4	71.40

Response Time			
Description	Size	Time to Actuate	Time to Return
Mono-Stable	1/8"	13ms	20ms
Mono-Stable	1/4"	14ms	25ms
Bi-Stable	1/8"	13ms	20ms
Bi-Stable	1/4"	15ms	23ms

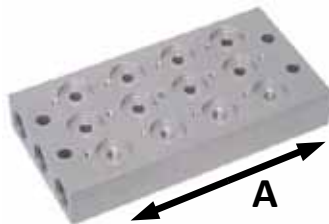
## AZ Pneumatica® Manifolds for Spool Valves



These manifolds can be used for the installation of 1/8" three and five way valves. - Each manifold is sold with all necessary pieces for installation. - Unused stations can be closed with a blanking plate.

Part No.	Inlet	Outlet	No. of Stations	A	Price £
00.052.2	1/4"	1/8"	2	72	13.24
00.053.2	1/4"	1/8"	3	96	18.18
00.054.2	1/4"	1/8"	4	120	22.99
00.055.2	1/4"	1/8"	5	144	27.93
00.056.2	1/4"	1/8"	6	168	32.87
00.057.2	1/4"	1/8"	7	192	37.82
00.058.2	1/4"	1/8"	8	216	42.76
00.059.2	1/4"	1/8"	9	240	47.71
00.060.2	1/4"	1/8"	10	264	52.51

## AZ Pneumatica® Manifolds for Spool Valves



These manifolds can be used for the installation of 1/4" three and five way valves. - Each manifold is sold with all necessary pieces for installation. - Unused stations can be closed with a blanking plate.

Part No.	Inlet	Outlet	No. of Stations	A	Price £
01.042.2	3/8"	1/4"	2	78	14.83
01.043.2	3/8"	1/4"	3	104	21.52
01.044.2	3/8"	1/4"	4	130	27.93
01.045.2	3/8"	1/4"	5	156	34.62
01.046.2	3/8"	1/4"	6	182	41.16
01.047.2	3/8"	1/4"	7	208	47.71
01.048.2	3/8"	1/4"	8	234	54.26

## 22mm Solenoid Coils



Pneumatic Valves - Working Temperature: Max +50°C - Duty Cycle: ED 100%  
Protection with Connector: IP65 - Size: 22mm

Part No.	Voltage	Power Rated	Price £
00.167.0	12V DC	3W	9.10
00.028.0	24V DC	3W	9.10
00.029.0	24V AC	5VA	9.10
00.030.0	110V AC	5VA	9.10
00.031.0	220V AC	5VA	9.10

## 22mm Plug For Solenoid Coil



Pneumatic Valves

Part No.	Description	Price £
00.197.0	22mm Plug for Solenoid Coil	2.89

## Pedal Valves



Pneumatic Valves - Temperature Range: Max+60 - Working Pressure: 2 to 10bar - 5/2 Spool Valves that can be used as 3/2 or 2/2 by plugging unused parts.  
Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58 - Protection Cover: Shock Resistant Plastic Material - Nominal Orifice: 7.5 mm - Fluid: 50µ Filtered, Lubricated or Non Lubricated air - Mono-Stable Spring Return: Press Pedal for air, Remove pedal to stop - Bi-Stable Detented: Press Pedal for air, Valve stays Open until pedal is pressed again to close the valve - Note : PED502S has a safety feature, whereby the foot pedal must be completely depressed in order to actuate.

Part No.	Function	Description	Thread Size	Price £
PED502B	5/2	Bi-Stable - with Protective Cover - 5/2 - Detent	G1/4	84.24
PED502M	5/2	Mono-Stable - Without Protective Cover - 5/2 - Spring Return	G1/4	76.20
PED502S	5/2	Mono-Stable - with Protective Cover - 5/2 - Spring Return	G1/4	84.24
PED304M	3/2	Mono-Stable - without Protective Cover - 3/2 - Spring Return	4mm Push-In	41.61

## Two Handed Start Unit



Pneumatic Valves - Technical Data - CE & EN574:1994 Conforming Product - Includes Low Force Push Button Valves

Part No.	Description	Price £
HSU01	2-Handed Start Unit	504.00

## AZ Pneumatica® 3/2 Solenoid Valve



Temperature range: max +60°C - Working pressure: max 10 bar - Nominal orifice: 1.1 mm - Fluid: 50µ filtered, lubricated or non lubricated air - Supplied Without Coils (22mm)

Part No.	Thread Size	Function	Description	Price £
00.071.3	1/8"	NC	Without Manual Override	13.83
00.051.3	1/8"	NC	With Manual Override	16.74
00.088.3	1/8"	NO	Without Manual Override	28.23
01.068.3	1/4"	NC	Without Manual Override	18.63
01.005.3	1/4"	NC	With Manual Override	19.51
01.066.3	1/4"	NO	Without Manual Override	30.11

## AZ Pneumatica® 3/2 Solenoid Valve on CNOMO-base



Temperature range: max +60°C - Working pressure: max 10 bar - Nominal orifice: 1.1 mm - Fluid: 50µ filtered, lubricated or non lubricated air - Supplied Without Coils (22mm)

Part No.	Thread Size	Function	Description	Price £
00.004.3	1/8"	NC	With Detented Manual Override	13.83
00.064.3	1/8"	NC	With Non Detented Manual Override	13.83

AZ Pneumatica® 3/2 NC Solenoid Valve Manifold - Without Manual Override



Nominal orifice: 1.1 mm - On request with push-in fittings for  $\varnothing 4$  tube - **Supplied Without Coils (22mm)**

Part No.	Thread Size	Function	No.of Stations	A	Price £
00.072.3	1/8"	NC	2	56	25.91
00.073.3	1/8"	NC	3	79	37.99
00.074.3	1/8"	NC	4	102	49.93
00.075.3	1/8"	NC	5	125	61.58
00.076.3	1/8"	NC	6	148	73.94
00.077.3	1/8"	NC	7	171	86.31
00.078.3	1/8"	NC	8	194	98.69
00.079.3	1/8"	NC	9	217	110.91
00.080.3	1/8"	NC	10	240	123.28

AZ Pneumatica® 3/2 Solenoid Valve Manifold - With Detented Manual Override



Nominal orifice: 1.1 mm - On request with push-in fittings for  $\varnothing 4$  tube - **Supplied Without Coils (22mm)**

Part No.	Thread Size	Function	No.of Stations	A	Price £
00.052.3	1/8"	NC	2	54	30.85
00.053.3	1/8"	NC	3	78	45.41
00.054.3	1/8"	NC	4	102	59.83
00.055.3	1/8"	NC	5	126	73.94
00.056.3	1/8"	NC	6	150	88.78

# Cylinders & Gas Struts



## Section 19

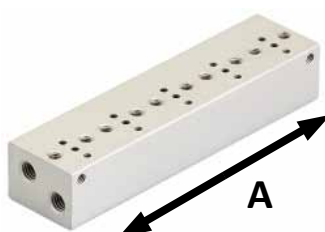
## AZ Pneumatica® Single Manifold for 15mm NC Solenoid Valve



AZ Pneumatica® Single Manifold for 15mm NC Solenoid Valve

Part No.	Thread Size	Price £
AU.061.1	M5	5.67

## AZ Pneumatica® Single Manifold for 15mm NC Solenoid Valve



AZ Pneumatica® Single Manifold for 15mm NC Solenoid Valve

Part No.	No. of Stations	A	Thread Size	Price £
AU.062.1	2	32	M5	7.28
AU.063.1	3	48	M5	9.60
AU.064.1	4	64	M5	12.81
AU.065.1	5	80	M5	16.01
AU.066.1	6	96	M5	19.21
AU.067.1	7	112	M5	22.41
AU.068.1	8	128	M5	25.61
AU.069.1	9	144	M5	28.81
AU.070.1	10	160	M5	32.02

## AZ Pneumatica® 15mm Solenoid Coils



Max working temperature: +50°C - Nominal orifice: 1.1 mm - Valve function: 3/2 NC - Flow rate 1-2: 30 NI/min - Flow rate 2-3: 35 NI/min - Working pressure: max 10 bar - Life time (cycles): 100000000 - Response time: 10 ms - Duty cycle: ED 100% - Rated power consumption (DC): 2W - Rated power consumption (AC): 1.3VA - Tension tolerance: -10%; +15% - Protection: IP 51

Part No.	Voltage	Price £
00.253.0	12VDC	19.80
00.254.0	24VDC	19.80
00.255.0	24V 50/60Hz	24.45
00.256.0	110V 50/60Hz	26.35
00.257.0	220V 50/60Hz	26.35

## AZ Pneumatica® 15mm Connectors



AZ Pneumatica® 15mm Connectors

Part No.	Colour	Cable	Type	Price £
00.252.0	Black	PG07	Standard	1.61
00.340.0	Transparent	PG07	With LED 24V	6.26
00.341.0	Transparent	PG07	With LED 24V and VDR	6.99
00.342.0	Transparent	PG07	With LED 115V	6.26
00.343.0	Transparent	PG07	With LED 115V and VDR	6.99
00.398.0	Transparent	PG07	With LED 230V	6.26
00.399.0	Transparent	PG07	With LED 230V and VDR	6.99

AZ Pneumatica® 3/2 Pneumatically Piloted Valves



AZ Pneumatica® 3/2 Pneumatically Piloted Valves


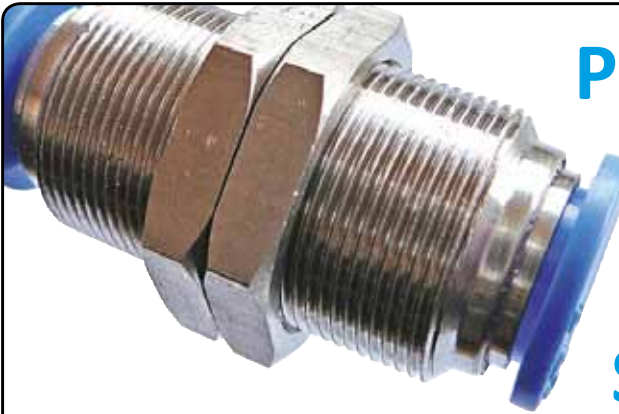
Part No.	Thread Size	Function	Description	Price £
324MC	G1/2	3/2	3/2 Pneumatic Pilot Spring Return Normally Closed	74.68
324MCA	G1/2	3/2	3/2 Pneumatic Pilot Spring Return Normally Open	74.68
324CFP	G1/2	3/2	3/2 Pneumatic Pilot Pneumatic Spring Return Normally Closed	82.46
324CC	G1/2	3/2	3/2 Double Pneumatic Pilot	87.12
324CCD	G1/2	3/2	3/2 Double Pneumatic Pilot-With Differential	94.91

AZ Pneumatica® 5/2 Pneumatically Piloted Valves



AZ Pneumatica® 5/2 Pneumatically Piloted Valves

Part No.	Thread Size	Function	Description	Price £
524MC	G1/2	5/2	5/2 Pneumatic Pilot Spring Return	93.36
524CFP	G1/2	5/2	5/2 Pneumatic Pilot Pneumatic Spring Return	101.13
524CC	G1/2	5/2	5/2 Double Pneumatic Pilot	105.80
524CCD	G1/2	5/2	5/2 Double Pneumatic Pilot-With Differential	113.57



Push-In Fittings

See

Section 1, 12 & 13



## AZ Pneumatica® 5/3 Pneumatically Piloted Valves



AZ Pneumatica® 5/3 Pneumatically Piloted Valves

Part No.	Thread Size	Function	Description	Price £
5243CCC	G1/2	5/3	5/3 Double Pneumatic Pilot Closed centres	121.36
5243ACC	G1/2	5/3	5/3 Double Pneumatic Pilot Open centres	121.36
5243PCC	G1/2	5/3	5/3 Double Pneumatic Pilot Pressurized centres	121.36

## AZ Pneumatica® ISO 5599/1 Valve - Size1



AZ Pneumatica® ISO 5599/1 Valve-Size1 - Supplied Without Coils (22mm or 33mm)

Part No.	Function	Description	Price £
152MC	5/2	5/2 Pneumatic Pilot Spring Return	33.56
152CC	5/2	5/2 Double Pneumatic Pilot	34.12
152CCD	5/2	5/2 Double Pneumatic Pilot-With Differential	35.41
152CFP	5/2	5/2 Pneumatic Pilot-Pneumatic Spring Return	35.41
153CCC	5/3	5/3 Double Pneumatic Pilot Closed centres	38.55
153ACC	5/3	5/3 Double Pneumatic Pilot Open centres	38.55
153PCC	5/3	5/3 Double Pneumatic Pilot Pressurized centres	38.55
152ME	5/2	5/2 Solenoid Pilot-Spring Return	46.69
152EFP	5/2	5/2 Solenoid Pilot-Pneumatic Spring return	49.68
152MEAS	5/2	5/2 Solenoid pilot with separate air supply-Spring return	46.69
152EE	5/2	5/2 Double Solenoid Pilot	59.54
152EEAS	5/2	5/2 Double solenoid Pilot with separate air supply	59.54
153CEE	5/3	5/3 Double Solenoid pilot Closed Centres	64.11
153AEE	5/3	5/3 Double Solenoid Pilot Open centres	64.11
153PEE	5/3	5/3 Double Solenoid Pilot Pressurized centres	64.11
153CEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Closed Centres	64.11
153AEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Open centres	64.11
153PEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Pressurized Centres	64.11



## Tubes & Hoses Section 1 & 16

AZ Pneumatica® ISO 5599/1 Valve - Size 2



AZ Pneumatica® ISO 5599/1 Valve-Size 2 - Supplied Without Coils (22mm or 33mm)

Part No.	Function	Description	Price £
252MC	5/2	5/2 Pneumatic Pilot Spring Return	63.07
252CC	5/2	5/2 Double Pneumatic Pilot	72.76
252CCD	5/2	5/2 Double Pneumatic Pilot-With Differential	78.83
252CFP	5/2	5/2 Pneumatic Pilot-Pneumatic Spring Return	69.13
253CCC	5/3	5/3 Double Pneumatic Pilot Closed centres	84.89
253ACC	5/3	5/3 Double Pneumatic Pilot Open centres	84.89
253PCC	5/3	5/3 Double Pneumatic Pilot Pressurized centres	84.89
252ME	5/2	5/2 Solenoid Pilot-Spring Return	84.89
252EFP	5/2	5/2 Solenoid Pilot-Pneumatic Spring return	90.95
252MEAS	5/2	5/2 Solenoid pilot with separate air supply-Spring return	87.32
252EE	5/2	5/2 Double Solenoid Pilot	112.79
252EEAS	5/2	5/2 Double solenoid Pilot with separate air supply	117.64
253CEE	5/3	5/3 Double Solenoid pilot Closed Centres	124.92
253AEE	5/3	5/3 Double Solenoid Pilot Open centres	124.92
253PEE	5/3	5/3 Double Solenoid Pilot Pressurized centres	124.92
253CEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Closed Centres	129.77
253AEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Open centres	129.77
253PEEAS	5/3	5/3 Double Solenoid Pilot with separate air Supply-Pressurized Centres	129.77

22mm Solenoid Coils



Pneumatic Valves - Working Temperature: Max +50°C - Duty Cycle: ED 100%  
Protection with Connector: IP65 - Size: 22mm

Part No.	Voltage	Power Rated	Price £
00.167.0	12V DC	3W	9.10
00.028.0	24V DC	3W	9.10
00.029.0	24V AC	5VA	9.10
00.030.0	110V AC	5VA	9.10
00.031.0	220V AC	5VA	9.10

AZ Pneumatica® 22mm Solenoid Connector



AZ Pneumatica® 22mm Solenoid Connector

Part No.	Colour	Cable	Type	Price £
00.344.0	Transparent	PG09	With LED 24V	5.97
00.345.0	Transparent	PG09	With LED 24V and VDR	6.69
00.346.0	Transparent	PG09	With LED 115V	5.97
00.347.0	Transparent	PG09	With LED 115V and VDR	6.69
00.394.0	Transparent	PG09	With LED 230V	5.97
00.395.0	Transparent	PG09	With LED 230V and VDR	6.69



Nylon  
Fittings  
Section 14



## AZ Pneumatica® 30mm Solenoid Coil



Max working temperature: +50°C Duty cycle: ED 100% - Tension tolerance: ±10% - Protection with connector correctly mounted: IP 65

Part No.	Voltage	Power Rated	Price £
00.258.0	24VDC	2W	7.25
00.259.0	24V 50/60Hz	5VA	7.25
00.260.0	110V 50/60Hz	5VA	7.25
00.261.0	220V 50/60Hz	5VA	7.25

## AZ Pneumatica® 30mm Solenoid Connector



AZ Pneumatica® 30mm Solenoid Connector

Part No.	Colour	Cable	Type	Price £
00.251.0	Black	PG09	Standard	1.61
00.348.0	Transparent	PG09	With LED 24V	5.97
00.349.0	Transparent	PG09	With LED 24V and VDR	6.69
00.350.0	Transparent	PG09	With LED 115V	5.97
00.351.0	Transparent	PG09	With LED 115V and VDR	6.69
00.396.0	Transparent	PG09	With LED 230V	5.97
00.397.0	Transparent	PG09	With LED 230V and VDR	6.69

## AZ Pneumatica® 30mm Explosion Proof Coils



EExm II T5 T4 explosion proof coils according to EN 50014 - EN 50028  
- Suitable for potentially explosive environment class II - With ATEX certification - With 3 or 5 metres cable - Max working temperature: +50°C - Duty cycle: ED 100% - Power consumption: 3W - Tension tolerance: ±10%

Part No.	Volt	Cable Length	Price £
00.284.0	24VDC	3M	48.86
00.305.0	24VDC	5M	51.75
00.332.0	24V 50/60Hz	3M	48.86
00.393.0	24V 50/60Hz	5M	51.75
00.333.0	110V 50/60Hz	3M	48.86
00.336.0	110V 50/60Hz	5M	51.75
00.392.0	220V 50/60Hz	3M	48.86
00.370.0	220V 50/60Hz	5M	51.75

## Flip Flop Valve



Pneumatic Valves - Temperature Range: Max+60°C - Working Pressure: 2 to 10 bar - This is a high flow device which, by applying a pilot pressure either pneumatic or electrical to point (X) will, for example, extend or retract a double acting cylinder. The flip-flop valve requires two pilot signals for a complete cycle, one momentary signal to retract the cylinder. A maintained pilot signal will generate one half of the cycle. The valve will stay in this position until the signal is exhausted and then re-applied. In the event of pilot pressure failure or system maintenance manual override facility provided. Specification: Actuating Pressure (X): 3 to 10bar - Fluid: 50µ Filtered, Lubricated or Non Lubricated Air - Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR - Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58.

Part No.	Description	Thread Size	Price £
10.035.4	Pneumatically Piloted	G1/4	189.66

## Two Hand Safety Valve



Pneumatic Valves - Temperature Range: Max+60°C - Working Pressure: 2 to 8 bar - This Valve is used to pilot high-flow directional control valves connected to machines which have a high risk of injuries to the hands. The Machine Operator must simultaneously operate, in a safe area, two three way manual valves for correct operation. The Safety Valve will ignore a single depression of one of the manual valves. To repeat the cycle both pilot signals must be exhausted and the manual valves simultaneously actuated again. It is sold with CE certification (compliant to machinery Directives: EEC 89/392, 91/368, 93/44, 96/68 and to norm EN574, Level 1) - Specification: Maximum Flow Rate: 100NI/min - Delay Between Two Actuating Signals: Δt < 0.5s - Fluid: 50µ Filtered, Lubricated or Non Lubricated Air - Materials: Body: Aluminium 11S - Spring: Stainless Steel - Seals: NBR - Spool: Nickel Plated Aluminium - Internal Parts: Brass OT58.

Part No.	Thread Size	Price £
08.156.4	G1/8	195.35

Flow Control Valves



Pneumatic Valves - In-Line or Panel Mounting - Temperature Range: Max +60°C - Working Pressure: 2 to 10bar - Materials: Body: Anodised Aluminium - Spring: Steel - Seal: Floating Washer - Spool: Nickel Plated Aluminium - O-Ring Nipple and Adjustable Needle: NBR 70 - All Other Parts: Brass.

Part No.	Old Reference	BSPP Female & Metric Thread	Mode	Price £
8850-M5	VUNIFC5M	M5	Uni-Directional	8.57
8850-1/8	VUNIFC02	1/8"	Uni-Directional	8.23
8850-1/4	VUNIFC04	1/4"	Uni-Directional	10.97
8850-3/8	VUNIFC06	3/8"	Uni-Directional	22.20
8850-1/2	VUNIFC08	1/2"	Uni-Directional	24.31
8860-M5	-	M5	Bi-Directional	8.57
8860-1/8	-	1/8"	Bi-Directional	8.23
8860-1/4	-	1/4"	Bi-Directional	10.97
8860-3/8	-	3/8"	Bi-Directional	22.20
8860-1/2	-	1/2"	Bi-Directional	24.31

Exhaust Regulator With Silencer



Pneumatic Valves - Materials: Brass OT58 - Spring: Zinc Coated Steel - Seals: NBR (Max +60°C) - Silencer: Sintered Bronze

Part No.	Diameter (mm)	Thread Size	Price £
RSW02	13	G1/8	4.51
RSW04	16	G1/4	5.03
RSW06	20	G3/8	9.00
RSW08	26	G1/2	12.43

Precision Regulator



Pneumatic Valves

Part No.	Thread Size	Price £
RSTC02	G1/8	5.31

Brass Fittings are in  
Section 8







## Pressure, Vacuum, Temp, Level/Flow



### PVL® Minature Pressure Switch



0.1 to 300 bar adjustment ranges - Over-pressure proof up to 600 bar - N/O or N/C contacts - Switch rating 48V/0.5A (res) 0.2A (ind) - 1/4" BSP standard thread - Nitrile diaphragm/piston seal (Viton® or EPDM optional) - Body Zinc Plated Steel As Standard - 1/4" push-on terminals (screw optional) - Gold contacts option - Vacuum switch option

Part No.	Description	BSPP	SEAL	NO/NC	MAX PRESSURE	RANGE	Price £
PMN1AN1/4PSTL	PRESSURE SWITCH 0.1 - 1 BAR	1/4"	NITRILE	N/O	150 bar	minus 5 to +60c	24.17
PMN1CN1/4PSTL	PRESSURE SWITCH 0.1 - 1 BAR	1/4"	NITRILE	N/C	150 bar	minus 5 to +60c	24.17
PMN2AN1/4PSTL	PRESSURE SWITCH 0.15 - 2 BAR	1/4"	NITRILE	N/O	300 bar	minus 5 to +60c	24.17
PMN10AN1/4PSTL	PRESSURE SWITCH 2 - 10 BAR	1/4"	NITRILE	N/O	300bar	minus 5 to +60c	24.17
PMN10CN1/4PSTL	PRESSURE SWITCH 2 - 10 BAR	1/4"	NITRILE	N/C	300bar	minus 5 to +60c	24.17
PMN20AN1/4PSTL	PRESSURE SWITCH 10 - 20 BAR	1/4"	NITRILE	N/O	300bar	minus 5 to +60c	24.17
PMN50AN1/4SPTL	PRESSURE SWITCH 20 - 50 BAR	1/4"	NITRILE	N/O	300 bar	minus 5 to +60c	26.55
PMN80AN1/4PSTL	PRESSURE SWITCH 50 - 80 BAR	1/4"	NITRILE	N/O	300bar	minus 5 to +60c	26.29
PMN250AN1/4PSTL	PRESSURE SWITCH 100 - 250 BAR	1/4"	NITRILE	N/O	600bar	minus 5 to +60c	32.79
PVL009	PROTECTIVE BOOT FOR PRESSURE/VACUUM SWITCH						2.48

### PVL® Minature Vacuum Switch



200 to 900 mbar adjustment range - Over-pressure proof to 20 bar - N/O or N/C contacts - Switch rating 48Vdc/0.5A res (0.2 ind) - 1/4" BSPT thread - Brass body - 1/4" push-on terminals (screw optional) - Gold contacts option

Part No.	Description	BSPT	SEAL	NO/NC	MAX PRESSURE	RANGE	Price £
VCE1ANBR51/4	VACUUM SWITCH 200 - 900 mbar	1/4"	NITRILE	N/O	20 bar	minus 5 to +60c	22.40
VCE1CNBR51/4	VACUUM SWITCH 200 - 900 mbar	1/4"	NITRILE	N/C	20 bar	minus 5 to +60c	22.40



For a wide selection of  
**Pressure Gauges**  
see **Section 23**



## PVL® Temperature Switch



Bi-metallic fixed set-point temperature switches - Anodised aluminium body with optional magnet - 3/8", 1/2" or M22x1.5 threads - Normally Open or Normally Closed contacts - 25degC to 105degC ranges (+/- 5degC) - Switching differential (hysteresis) 11degC - Contacts rated 240Vac/10A (IP 65)

Part No.	Description	BSP	NO/NC	MAX TEMP	SWITCH POINT	Price £
NTB31BA	TEMPERATURE SWITCH	3/8"	N/O	120°C	31 °C +/- 5 °C	39.52

## PVL® Level Switch Nitrile



Nitrile float 26mm Ø - S/steel or Polypropylene circlip - Polyacetal top entry stem - N/O or N/C contacts (reversible float) - 1/8" BSP thread with nut - 220Vac/66VA - 30 cm flying leads - Max Temp: 80°C

Part No.	Thread	MAX FLUID PRESSURE	MAX VOLTAGE	FLOAT	Price £
MFS17-B-2	1/8" BSP x 15mm	15 bar	240Vac	Nitrile	11.29

## PVL® Level Switch Stainless Steel



All 316 grade stainless steel - Pressures up to 10 bar - 120°C maximum temperature - N/O or N/C contact - 1/8" BSP Thread with nut - 220Vac/50VA - Supplied with 1 metre of cable

Part No.	Thread	MAX FLUID PRESSURE	MAX VOLTAGE	FLOAT	Price £
RFS22SUS3161/8-1M	1/8" BSP x 15mm	10 bar	240Vac	316 st/steel	36.45



## Tubes & Hoses Section 1 & 16



## PVL® Level Switch Stainless Steel



All Stainless Steel - High temp. 120°C - New rugged hinge - Optional DIN Plug - 1/8" or 1/2" thread - Internal or external assembly - Compact design - Fitting: The RFS11A2 is assembled from inside the tank or vessel after first drilling a 3/8" (10mm) clearance hole in the tank wall - The RFS12P2 has a 1/2 bspt thread and can be fitted outside the tank by screwing it into a 10mm (max) deep threaded boss - Both switches can be rotated through 180 degrees to give either Normally open or Normally closed contacts

Part No.	Thread	MAX FLUID PRESSURE	MAX VOLTAGE	FITTING	CONNECTION	Price £
RFS12P2SUS304	1/2 bspt	5 bar	300Vac	External	DIN plug	54.95
RFS11A2SUS304	1/8" bspt	5 bar	300Vac	Internal	Flying lead	42.43

## PVL® Float Valve



This small float valve can be used in small water tanks all materials are food grade. - The adjustable screw in the middle of the arm means it can be installed horizontally or vertically.

Part No.	Thread	MAX FLUID PRESSURE	WATER TEMP	FLOW RATE	LENGTH	MATERIAL	Price £
AQTM120WT	3/4" BSP	0.1 - 1.0 Mpa	minus 35 to + 75C	5.0-6.0(P=0.6Mpa)	14.7 cm	ABS/PE	12.50

## PVL® Pressure Snubber



When pressure switches are used in hydraulic systems, they are subject to pressure peaks and pulsations. If precautionary measures are not built into a system, extensive damage may occur to the switches. - Pressure surges and pulsation risks can be minimised by protecting your system using our snubbers, these snubbers are a low cost accessory to counter high pressure spikes and surges which can save on long term costs due to unnecessary failure of your equipment.

Part No.	Thread	MAX FLUID PRESSURE	Price £
SM10R1/4	1/4M X 1/4F	600 bar	15.83

## PVL® Flow Switch



Mechanical Flow Switch for liquids or gaseous media with spring supported piston and magnetic actuation of a reed switch. Robust design, produced in materials brass or stainless steel option. - compact dimension - good repeatability - dirt-resistance - high switch capability - hermetic separation of mechanical and electrical component - Size ranges from G 1/4" to G 1" - Adjustable ranges available from 5 l/m to 60 l/m - Call us for other options

Part No.	Size	Range	Max Temp	Price £
MR010GM020	G 3/8"	5 - 20 l/min	120°C	309.24