

PROCESS CONTROL VALVES

PROCESS CONTROL VALVES – Water / Air / Steam



Ports	Function	Operation	Body / Seals	Part Number	Coils	Part #
1/4" Bsp	2/2	Normally Closed	Brass / NBR	7121KBG2NV00	12 V DC	482725C1
3/8" Bsp	2/2	Normally Closed	Brass / NBR	7321BIN00	24 V DC	482725C2
1/2" Bsp	2/2	Normally Closed	Brass / NBR	7321BAN00	48 V DC	482725C4
3/4" Bsp	2/2	Normally Closed	Brass / NBR	7321BCN00	110 V DC	482725C5
1" Bsp	2/2	Normally Closed	Brass / NBR	NKV25N	24 V AC	482725A2
1-1/4" Bsp	2/2	Normally Closed	Brass / NBR	7321BEN00	110 V AC	482725A5
1-1/2" Bsp	2/2	Normally Closed	Brass / NBR	7321BFN00	230 V AC	4827253D

PNEUMATIC CONTROL VALVES

LEVER OPERATED VALVES



Symbol / Functions		Operators	Ports	Flow	Part Number
5/3 Closed position		Lever 3 position detent	1/4 Bspt	760 Lpm	55102096
			3/8 Bspt	1610 Lpm	55200038
		Lever 3 positions spring to centre	1/4 Bspt	760 Lpm	55102097
			3/8 Bspt	1610 Lpm	55200039
5/3 Open position to exhaust		Lever 3 position Detent	1/4 Bspt	760 Lpm	55102098
			1/4 Bspt	760 Lpm	55102099
		Lever 3 positions spring to centre	1/4 Bspt	760 Lpm	55102099
			1/4 Bspt	760 Lpm	55102099
3/2		Lever 2 position detent	1/4 Bspt	860 Lpm	55102092
			3/8 Bspt	1610 Lpm	55200036
		Lever 2 position spring	1/4 Bspt	860 Lpm	55102093
			3/8 Bspt	1610 Lpm	55200037

INLINE SOLENOID OPERATED VALVES



Solenoid valves are 24vdc as standard, select coil voltages for other options

Symbol / Functions		Operators	Ports	Flow	Part Number
5/2		Single air pilot 2 position spring	1/4 G	985 Lpm	L12PA4520G00000
			1/4 G	985 Lpm	L12PP4520G00000
		Single Solenoid 2 position spring	1/4 G	985 Lpm	L12BA452BG00061
			1/4 G	985 Lpm	L12BB452BG00061
5/3 Open position to exhaust		Double Solenoid 3 position spring	1/4 G	985 Lpm	L12BB552BG00061



Coils	
Volatge	Part Number
24 V DC	226-746
24 V AC	237-568
110 V AC	237-569
230 V AC	237-570



Din Plugs	
Size	Part Number
30 mm	PS2429P
22 mm	C12209N21
16 mm	C05307N62

SOLENOID OPERATED VALVES

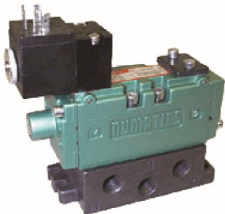


- Direct solenoid actuated
- DIN plug-in solenoid with indicator light
- Unlubricated or lubricated service
- Integral speed control available
- In-line or manifold mounted
- Vacuum suited

Ports	Voltage	Part Number
1/8 BSP	230 VAC	L01SA4592G00061
1/8 BSP	24 VDC	L01SA4594G00061



SUB BASE MOUNTED VALVES ISO 5599/1



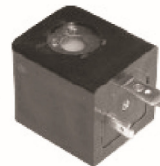
Porting	Type	Port Size	Part Number
	5/2 Single Solenoid 24 VDC	1/4 BSP	C12BA4004017G61
		1/2 BSP	C34BA4004017G61
	5/2 Double Solenoid 24 VDC	1/4 BSP	C12BB4004017G61
		1/2 BSP	C34BB4004017G61
	5/3 Open Center 24 VDC	1/4 BSP	C12BB5004017G61
		1/2 BSP	C34BB5004017G61
	5/3 Closed Center 24 VDC	1/4 BSP	C12BB6004017G61
		1/2 BSP	C34BB6004017G61

SUB BASE MANIFOLDS ISO 5599/1



ISO Size	Flow	Port Size	Part Number
ISO 1	1300 NI/min	1/4 BSP	103-544
ISO 3	4400 NI/min	1/2 BSP	103-545

SPARE COILS



Voltage	Part Number
12 VDC	228-772
24 VDC	225-354
110 VDC	228-777
24 VAC	228-772
110 VAC	228-773
230 VAC	228-777

LOCKOUT VALVES (SAFETY VALVE)



- Emergency shutoff
- Quick exhaust of downstream pressure
- Meets OSHA specifications
- Integrated hole for tradesman lock
- Sturdy construction
- Durable and long lasting
- Standardized bright yellow body with a red knob is easily identified as a lockout device

Port Size	Part Number
1/2 BSP	VL30G04Y



AIR SERVICE UNITS

REGULATORS



Port Size	Gauge	Max Press	Part Number
1/4" BSP	Yes	17 BAR	P3HRA12BNGP
1/2 BSP	Yes	17 BAR	P3HRA14BNGP
1" BSP	Yes	17 BAR	P3MRA18BNGN

FILTER / REGULATORS



Port Size	Element	Gauge	Drain Type	Max Press	Part Number
1/4" BSP	5 Micron	Yes	Semi	17 BAR	P3HEA12ESSBNGP
1/2 BSP	5 Micron	Yes	Auto	17 BAR	P3KEA14ESABNGP
1" BSP	5 Micron	Yes	Auto	17 BAR	P3MEA18ESABNGN

FILTERS



Port Size	Port Size	Element	Drain Type	Max Press	Part Number
1/4" BSP	1/4" BSP	5 Micron	Semi	17 BAR	P3HFA12ESSN
1/2 BSP	1/2 BSP	5 Micron	Auto	17 BAR	P3KFA14ESAN
1" BSP	1" BSP	5 Micron	Auto	17 BAR	P3MFA18ESAN

LUBRICATORS



Port Size	Max Press	Part Number
1/4" BSP	10 BAR	P3HLA12LSMN
1/2 BSP	17 BAR	P3KLA14LSMN
1" BSP	17 BAR	P3MLA18LSMN

PORT CONNECTOR KIT



Size	Part #
1/4"	P3HKA00CB
1/2"	P3KKB00CB
1"	P3MKA00CB

WALL MOUNT KIT



Size	Part #
1/4"	P3HKA00CW
1/2"	P3KKB00CW
1"	P3MKA00CW

SINGLE UNIT WALL MOUNT BRACKET



Size	Part #
1/4"	P3HKA00MW
1/2"	P3KKA00MW
1"	P3MKA00MW









PNEUMATIC CYLINDERS

ISO 6431/VDMA CYLINDERS



- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Lubricated with food grade grease
- Max 10 bar
- 25 to 500 mm stroke lengths
- 32 to 125 mm bores sizes

Bore ø	Port Size	Part Number
32 mm	1/8 bsp	P1D-S032MS
40 mm	1/4 bsp	P1D-S040MS
50 mm	1/4 bsp	P1D-S050MS
63 mm	3/8 bsp	P1D-S063MS
80 mm	3/8 bsp	P1D-S080MS
100 mm	1/2 bsp	P1D-S100MS
125 mm	1/2 bsp	P1D-S125MS





Rod Clevis & Pivot Brackets	Rear Cylinder Mountings
 <p>Swivel rod eye Clevis</p>	 <p>Clevis bracket GA Clevis bracket MP2 Clevis bracket MP4</p>
 <p>Pivot bracket MT4 Centre trunnion</p>	 <p>Swivel eye bracket Ridged bearing Swivel bearing</p>
 <p>Flange trunnion</p>	 <p>Foot bracket Flange bracket Back to Back kit</p>

MINIISO 6431 CYLINDERS



- Corrosion resistant design
- Magnetic piston as standard
- Max 10 bar
- End buffers for long service life
- 10 to 320 mm stroke lengths
- 10 to 25 mm bores sizes

Bore ø	Port Size	Part Number
10 mm	M5	P1A-S010DS
12 mm	M5	P1A-S012DS
16 mm	M5	P1A-S016DS
20 mm	1/8 bsp	P1A-S020DS
25 mm	1/8 bsp	P1A-S025DS

Rod Clevis & Pivot Brackets	Rear Clevis & Mounting Brackets
 <p>Clevis Rod eye clevis</p>	 <p>Clevis bracket Foot bracket MS3 Flange MF8</p>
 <p>Cover trunnion</p>	 <p>Mounting nut Rod piston nut</p>



PNEUMATIC PUSH-FIT FITTINGS



Male Banjo Elbow		
Tube	Bspt	Part
4mm	M5	PA04M5
6mm	1/8"	PA0601
8mm	1/4"	PA0802
10mm	3/8"	PA1003
12mm	1/2"	PA1204



Female Banjo Elbow		
Tube	Bspt	Part
6mm	1/8"	PAF0601
8mm	1/4"	PAF0802
10mm	3/8"	PAF1003
12mm	1/2"	PAF1204



Tube Tee		
Tube	Tube	Part
4mm	4mm	PUT0400
6mm	6mm	PUT0600
8mm	8mm	PUT0800
10mm	10mm	PUT1000
12mm	12mm	PUT1200
16mm	16mm	PUT1600
1/8"	1/8"	PUT1/8
3/16"	3/16"	PUT3/16
1/4"	1/4"	PUT1/4
5/16"	5/16"	PUT5/16
3/8"	3/8"	PUT3/8
1/2"	1/2"	PUT1/2



Plug		
Tube		Part
4mm		PP04
6mm		PP06
8mm		PP08
10mm		PP10
12mm		PP12
16mm		PP16
3/16"		PP3/16
1/4"		PP1/4
5/16"		PP5/16
3/8"		PP3/8
1/2"		PP1/2



Plugin Y		
OD1	Tube	Part
4mm	4mm	PYJ0400
6mm	6mm	PYJ0600
8mm	8mm	PYJ0800
10mm	10mm	PYJ1000
12mm	12mm	PYJ1200



Male Stud Connector		
Tube	Bspt	Part
4mm	1/8"	PC0401
4mm	1/4"	PC0402
4mm	M5	PC04M5
6mm	1/8"	PC0601
6mm	1/4"	PC0602
6mm	3/8"	PC0603
6mm	M5	PC06M5
8mm	1/8"	PC0801
8mm	1/4"	PC0802
8mm	3/8"	PC0803
8mm	1/2"	PC0804
10mm	1/8"	PC1001
10mm	1/4"	PC1002
10mm	3/8"	PC1003
10mm	1/2"	PC1004
12mm	1/4"	PC1202
12mm	3/8"	PC1203
12mm	1/2"	PC1204
16mm	3/8"	PC1603
16mm	1/2"	PC1604
1/8"	1/8"	PC1/801
1/8"	1/4"	PC1/802
3/16"	1/8"	PC3/1601
3/16"	1/4"	PC3/1602
1/4"	1/8"	PC1/401
1/4"	1/4"	PC1/402
1/4"	3/8"	PC1/403
5/16"	1/8"	PC5/1601
5/16"	1/4"	PC5/1602
5/16"	3/8"	PC5/1603
3/8"	1/8"	PC3/801
3/8"	1/4"	PC3/802
3/8"	3/8"	PC3/803
3/8"	1/2"	PC3/804
1/2"	1/4"	PC1/202
1/2"	3/8"	PC1/203
1/2"	1/2"	PC1/204



Female Connector		
Tube	Bspt	Part
4mm	1/8"	PCF0401
4mm	1/4"	PCF0402
6mm	1/8"	PCF0601
6mm	1/4"	PCF0602
6mm	3/8"	PCF0603
8mm	1/8"	PCF0801
8mm	1/4"	PCF0802
8mm	3/8"	PCF0803
8mm	1/2"	PCF0804
10mm	1/8"	PCF1001
10mm	1/4"	PCF1002
10mm	3/8"	PCF1003
10mm	1/2"	PCF1004
12mm	1/4"	PCF1202
12mm	3/8"	PCF1203
12mm	1/2"	PCF1204
16mm	1/2"	PCF1604
1/4"	1/8"	PCF1/401
1/4"	1/4"	PCF1/402
5/16"	1/8"	PCF5/1601
5/16"	1/4"	PCF5/1602
3/8"	1/4"	PCF3/802
3/8"	3/8"	PCF3/803



Plugin Stud Connector		
Tube	Bspt	Part
4mm	1/8"	PCJ0401
4mm	1/4"	PCJ0402
6mm	1/8"	PCJ0601
6mm	1/4"	PCJ0602
6mm	3/8"	PCJ0603
8mm	1/4"	PCJ0802
8mm	3/8"	PCJ0803
8mm	1/2"	PCJ0804
10mm	1/4"	PCJ1002
10mm	3/8"	PCJ1003
10mm	1/2"	PCJ1004
12mm	3/8"	PCJ1203
12mm	1/2"	PCJ1204
16mm	3/8"	PCJ1603
16mm	1/2"	PCJ1604



Plugin Joiner		
OD1	OD2	
6mm	4mm	PIG0604
8mm	6mm	PIG0806
10mm	8mm	PIG1008
12mm	10mm	PIG1210
16mm	12mm	PIG1612
1/4"	3/16"	PIG1/43/16
5/16"	1/4"	PIG5/161/4
3/8"	5/16"	PIG3/85/16
1/2"	3/8"	PIG1/23/8



Tube Y		
Tube	Tube	
6mm	4mm	PW0604
8mm	6mm	PW0806
10mm	8mm	PW1008
12mm	10mm	PW1210



Tube Reducing Connector		
Tube	Tube	Part
6mm	4mm	PG0604
8mm	6mm	PG0806
10mm	8mm	PG1008
12mm	10mm	PG1210
16mm	12mm	PG1612
5/16"	1/4"	PG5/161/4
3/8"	5/16"	PG3/85/16
1/2"	3/8"	PG1/23/8



Male Run Tee		
Tube	Bspt	Part
4mm	1/8"	PST0401
4mm	1/4"	PST0402
4mm	M5	PST04M5
6mm	1/8"	PST0601
6mm	1/4"	PST0602
6mm	3/8"	PST0603
6mm	M5	PST06M5
8mm	1/8"	PST0801
8mm	1/4"	PST0802
8mm	3/8"	PST0803
8mm	1/2"	PST0804
10mm	1/8"	PST1001
10mm	1/4"	PST1002
10mm	3/8"	PST1003
10mm	1/2"	PST1004
12mm	1/4"	PST1202
12mm	3/8"	PST1203
12mm	1/2"	PST1204
1/4"	1/8"	PST1/401
1/4"	1/4"	PST1/402
1/4"	3/8"	PST1/403
3/8"	1/4"	PST3/802
1/2"	1/4"	PST1/202
1/2"	3/8"	PST1/203
1/2"	1/2"	PST1/204



Female Banjo		
Tube	Bspt	Part
4mm	1/8"	PHF0401
6mm	1/8"	PHF0601
6mm	1/4"	PHF0602
8mm	1/8"	PHF0801
8mm	1/4"	PHF0802
8mm	3/8"	PHF0803
10mm	1/4"	PHF1002
10mm	3/8"	PHF1003
12mm	3/8"	PHF1203
12mm	1/2"	PHF1204
1/4"	1/8"	PHF1/401
1/4"	1/4"	PHF1/402
3/8"	1/4"	PHF3/802
3/8"	3/8"	PHF3/803
12mm	1/2"	PHT1204

Plugin Connector		
OD	Tube	Part
6mm	4mm	PGJ0604
8mm	4mm	PGJ0804
8mm	6mm	PGJ0806
10mm	6mm	PGJ1006
10mm	8mm	PGJ1008
12mm	6mm	PGJ1206
12mm	8mm	PGJ1208
12mm	8mm	PGJ1210
5/16"	1/4"	PGJ5/161/4
3/8"	1/4"	PGJ3/81/4
3/8"	5/16"	PGJ3/85/16



Male Banjo		
Tube	Bspt	Part
4mm	1/8"	PH0401
4mm	M5	PH04M5
6mm	1/8"	PH0601
6mm	1/4"	PH0602
6mm	M5	PH06M5
8mm	1/8"	PH0801
8mm	1/4"	PH0802
8mm	3/8"	PH0803
10mm	1/4"	PH1002
10mm	3/8"	PH1003
10mm	1/2"	PH1004
12mm	1/4"	PH1202
12mm	3/8"	PH1203
12mm	1/2"	PH1204



Tube Y Joiner		
Tube	Tube	Part
4mm	4mm	PY0400
6mm	6mm	PY0600
8mm	8mm	PY0800
10mm	10mm	PY1000
12mm	12mm	PY1200
1/8"	1/8"	PY1/8
3/16"	3/16"	PY3/16
1/4"	1/4"	PY1/4
5/16"	5/16"	PY5/16
3/8"	3/8"	PY3/8
1/2"	1/2"	PY1/2



Bulkhead		
Tube	Tube	Part
4mm	4mm	PMM0400
6mm	6mm	PMM0600
8mm	8mm	PMM0800
10mm	10mm	PMM1000
12mm	12mm	PMM1200
3/16"	3/16"	PMM3/16
1/4"	1/4"	PMM1/4
5/16"	5/16"	PMM5/16
3/8"	3/8"	PMM3/8
1/2"	1/2"	PMM1/2

Female Bulkhead		
Tube	Bspt	Part
4mm	1/8"	PMF0401
4mm	1/4"	PMF0402
6mm	1/8"	PMF0601
6mm	1/4"	PMF0602
8mm	1/8"	PMF0801
8mm	1/4"	PMF0802
8mm	3/8"	PMF0803
8mm	1/2"	PMF0804
10mm	1/4"	PMF1002
10mm	3/8"	PMF1003
12mm	1/4"	PMF1202
12mm	3/8"	PMF1203
12mm	1/2"	PMF1204
1/4"	1/8"	PMF1/401
1/4"	1/4"	PMF1/402
5/16"	3/8"	PMF5/1603
3/8"	1/8"	PMF3/801
3/8"	1/4"	PMF3/802
3/8"	3/8"	PMF3/803
1/2"	1/2"	PMF1/204



Plugin Elbow		
Tube	Tube	Part
4mm	4mm	PLJ0400
6mm	6mm	PLJ0600
8mm	8mm	PLJ0800
10mm	10mm	PLJ1000
12mm	12mm	PLJ1200
3/16"	3/16"	PLJ3/16
1/4"	1/4"	PLJ1/4
5/16"	5/16"	PLJ5/16
3/8"	3/8"	PLJ3/8
1/2"	1/2"	PLJ1/2



Plugin Connector		
OD1	OD2	Part
4mm	4mm	PIJ0400
6mm	6mm	PIJ0600
8mm	8mm	PIJ0800
10mm	10mm	PIJ1000
12mm	12mm	PIJ1200
3/16"	3/16"	PIJ3/16
1/4"	1/4"	PIJ1/4
5/16"	5/16"	PIJ5/16
3/8"	3/8"	PIJ3/8
1/2"	1/2"	PIJ1/2



Male Elbow		
Tube	Bspt	Part
4mm	1/8"	PL0401
4mm	1/4"	PL0402
4mm	M5	PL04M5
6mm	1/8"	PL0601
6mm	1/4"	PL0602
6mm	3/8"	PL0603
6mm	M5	PL06M5
8mm	1/8"	PL0801
8mm	1/4"	PL0802
8mm	3/8"	PL0803
8mm	1/2"	PL0804
10mm	1/8"	PL1001
10mm	1/4"	PL1002
10mm	3/8"	PL1003
10mm	1/2"	PL1004
12mm	1/4"	PL1202
12mm	3/8"	PL1203
12mm	1/2"	PL1204
16mm	3/8"	PL1603
16mm	1/2"	PL1604
1/8"	1/8"	PL1/801
3/16"	1/8"	PL3/1601
3/16"	1/4"	PL3/1602
1/4"	1/8"	PL1/401
1/4"	1/4"	PL1/402
1/4"	3/8"	PL1/403
5/16"	1/8"	PL5/1601
5/16"	1/4"	PL5/1602
5/16"	3/8"	PL5/1603
3/8"	1/8"	PL3/801
3/8"	1/4"	PL3/802
3/8"	3/8"	PL3/803
3/8"	1/2"	PL3/804
1/2"	1/4"	PL1/202
1/2"	3/8"	PL1/203
1/2"	1/2"	PL1/204



Female Elbow		
Tube	Bspt	Part
4mm	1/8"	PLF0401
4mm	1/4"	PLF0402
4mm	M5	PLF04M5
6mm	1/8"	PLF0601
6mm	1/4"	PLF0602
6mm	3/8"	PLF0603
6mm	M5	PLF06M5
8mm	1/8"	PLF0801
8mm	1/4"	PLF0802
8mm	3/8"	PLF0803
10mm	1/4"	PLF1002
10mm	3/8"	PLF1003
10mm	1/2"	PLF1004



Tube Joiner		
Tube	Tube	Part
4mm	4mm	PUC0400
6mm	6mm	PUC0600
8mm	8mm	PUC0800
10mm	10mm	PUC1000
12mm	12mm	PUC1200
16mm	16mm	PUC1600
1/8"	1/8"	PUC1/8
3/16"	3/16"	PUC3/16
1/4"	1/4"	PUC1/4
5/16"	5/16"	PUC5/16
3/8"	3/8"	PUC3/8
1/2"	1/2"	PUC1/2



Male Branch Tee		
Tube	Bspt	Part
4mm	1/8"	PT0401
4mm	1/4"	PT0402
4mm	M5	PT04M5
6mm	1/8"	PT0601
6mm	1/4"	PT0602
6mm	3/8"	PT0603
6mm	M5	PT06M5
8mm	1/8"	PT0801
8mm	1/4"	PT0802
8mm	3/8"	PT0803
8mm	1/2"	PT0804
10mm	1/8"	PT1001
10mm	1/4"	PT1002
10mm	3/8"	PT1003
10mm	1/2"	PT1004
12mm	1/4"	PT1202
12mm	3/8"	PT1203
12mm	1/2"	PT1204
16mm	3/8"	PT1603
16mm	1/2"	PT1604
1/8"	1/8"	PT1/801
1/4"	1/8"	PT1/401
1/4"	1/4"	PT1/402
1/4"	3/8"	PT1/403
1/4"	1/2"	PT1/404
5/16"	1/8"	PT5/1601
5/16"	1/4"	PT5/1602
5/16"	3/8"	PT5/1603
3/8"	1/8"	PT3/801
3/8"	1/4"	PT3/802
3/8"	3/8"	PT3/803
3/8"	1/2"	PT3/804
1/2"	1/4"	PT1/202
1/2"	3/8"	PT1/203
1/2"	1/2"	PT1/204



Male Y		
Tube	Bspt	Part
4mm	1/8"	PWT0401
4mm	1/4"	PWT0402
4mm	M5	PWT04M5
6mm	1/8"	PWT0601
6mm	1/4"	PWT0602
6mm	3/8"	PWT0603
6mm	M5	PWT06M5
8mm	1/8"	PWT0801
8mm	1/4"	PWT0802
8mm	3/8"	PWT0803
8mm	1/2"	PWT0804
10mm	1/8"	PWT1001
10mm	1/4"	PWT1002
10mm	3/8"	PWT1003
10mm	1/2"	PWT1004
12mm	1/4"	PWT1202
12mm	3/8"	PWT1203
12mm	1/2"	PWT1204



Tube Elbow		
Tube	Tube	Part
4mm	4mm	PUL0400
6mm	6mm	PUL0600
8mm	8mm	PUL0800
10mm	10mm	PUL1000
12mm	12mm	PUL1200
16mm	16mm	PUL1600
1/8"	1/8"	PUL1/8
3/16"	3/16"	PUL3/16
1/4"	1/4"	PUL1/4
5/16"	5/16"	PUL5/16
3/8"	3/8"	PUL3/8
1/2"	1/2"	PUL1/2



Tube Cross		
Tube	Tube	Part
4mm	4mm	PZA0400
6mm	6mm	PZA0600
8mm	8mm	PZA0800
10mm	10mm	PZA1000
12mm	12mm	PZA1200



PNEUMATIC PUSH-FIT FITTINGS (NICKLE PLATED)



Male Straight		
Tube	Bspt	Part
4mm	1/8"	MPC0401
4mm	1/4"	MPC0402
4mm	M5	MPC04M5
5mm	1/8"	MPC0501
5mm	1/4"	MPC0502
6mm	1/8"	MPC0601
6mm	1/4"	MPC0602
6mm	3/8"	MPC0603
6mm	1/2"	MPC0604
6mm	M5	MPC06M5
8mm	1/8"	MPC0801
8mm	1/4"	MPC0802
8mm	3/8"	MPC0803
8mm	1/2"	MPC0804
10mm	1/8"	MPC1001
10mm	1/4"	MPC1002
10mm	3/8"	MPC1003
10mm	1/2"	MPC1004
12mm	1/4"	MPC1202
12mm	3/8"	MPC1203
12mm	1/2"	MPC1204
14mm	1/2"	MPC1404
16mm	3/8"	MPC1603
16mm	1/2"	MPC1604
1/8"	1/8"	MPC1/801
1/8"	1/4"	MPC1/802
3/16"	1/8"	MPC3/1601
3/16"	1/4"	MPC3/1602
1/4"	1/8"	MPC1/401
1/4"	1/4"	MPC1/402
3/8"	1/4"	MPC3/802
3/8"	3/8"	MPC3/803
1/2"	1/4"	MPC1/202
1/2"	3/8"	MPC1/203
1/2"	1/2"	MPC1/204



Male Elbow		
Tube	Bspt	Part
4mm	1/8"	MPL0401
4mm	1/4"	MPL0402
4mm	M5	MPL04M5
5mm	1/8"	MPL0501
5mm	1/4"	MPL0502
6mm	1/8"	MPL0601
6mm	1/4"	MPL0602
6mm	3/8"	MPL0603
6mm	M5	MPL06M5
8mm	1/8"	MPL0801
8mm	1/4"	MPL0802
8mm	3/8"	MPL0803
8mm	1/2"	MPL0804
10mm	1/8"	MPL1001
10mm	1/4"	MPL1002
10mm	3/8"	MPL1003
10mm	1/2"	MPL1004
12mm	1/4"	MPL1202
12mm	3/8"	MPL1203
12mm	1/2"	MPL1204
14mm	1/2"	MPL1404
16mm	3/8"	MPL1603
16mm	1/2"	MPL1604
1/8"	1/8"	MPL1/801
3/16"	1/8"	MPL3/1601
3/16"	1/4"	MPL3/1602
1/4"	1/8"	MPL1/401
1/4"	1/4"	MPL1/402
3/8"	1/4"	MPL3/802
3/8"	3/8"	MPL3/803
1/2"	1/4"	MPL1/202
1/2"	3/8"	MPL1/203
1/2"	1/2"	MPL1/204



Female Straight		
Tube	Bspt	Part
4mm	1/8"	MPCF0401
4mm	1/4"	MPCF0402
6mm	1/8"	MPCF0601
6mm	1/4"	MPCF0602
8mm	1/8"	MPCF0801
8mm	1/4"	MPCF0802
8mm	3/8"	MPCF0803
10mm	1/4"	MPCF1002
10mm	3/8"	MPCF1003
10mm	1/2"	MPCF1004
12mm	3/8"	MPCF1203
12mm	1/2"	MPCF1204
1/4"	1/4"	MPCF1/402
3/8"	3/8"	MPCF3/803
1/2"	1/2"	MPCF1/204



Bulkhead		
Tube	Tube	Part
4mm	4mm	MPM04
6mm	6mm	MPM06
8mm	8mm	MPM08
10mm	10mm	MPM10
12mm	12mm	MPM12
16mm	16mm	MPM16
1/4"	1/4"	MPM1/4
3/8"	3/8"	MPM3/8
1/2"	1/2"	MPM1/2



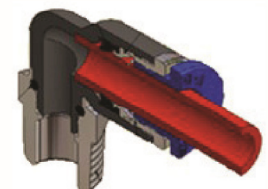
Elbow Connector		
Tube	Tube	Part
4mm	4mm	MPUL04
5mm	5mm	MPUL05
6mm	6mm	MPUL06
8mm	8mm	MPUL08
10mm	10mm	MPUL10
12mm	12mm	MPUL12
14mm	14mm	MPUL14
16mm	16mm	MPUL16
1/8"	1/8"	MPUL1/8
3/16"	3/16"	MPUL3/16
1/4"	1/4"	MPUL1/4
3/8"	3/8"	MPUL3/8
1/2"	1/2"	MPUL1/2



Y Connector		
Tube	Tube	Part
4mm	4mm	MPY04
6mm	6mm	MPY06
8mm	8mm	MPY08
10mm	10mm	MPY10
12mm	12mm	MPY12
16mm	16mm	MPY16
1/4"	1/4"	MPY1/4
3/8"	3/8"	MPY3/8
1/2"	1/2"	MPY1/2



Straight Connector		
Tube	Tube	Part
4mm	4mm	MPUC04
5mm	5mm	MPUC05
6mm	6mm	MPUC06
8mm	8mm	MPUC08
10mm	10mm	MPUC10
12mm	12mm	MPUC12
14mm	14mm	MPUC14
16mm	16mm	MPUC16
1/8"	1/8"	MPUC1/8
3/16"	3/16"	MPUC3/16
1/4"	1/4"	MPUC1/4
3/8"	3/8"	MPUC3/8
1/2"	1/2"	MPUC1/2





Male Branch Tee		
Tube	Bspt	Part
4mm	1/8"	MPT0401
4mm	1/4"	MPT0402
6mm	1/8"	MPT0601
6mm	1/4"	MPT0602
8mm	1/4"	MPT0802
8mm	3/8"	MPT0803
8mm	1/2"	MPT0804
10mm	1/8"	MPT1001
10mm	1/4"	MPT1002
10mm	3/8"	MPT1003
12mm	1/4"	MPT1202
12mm	3/8"	MPT1203
12mm	1/2"	MPT1204
16mm	3/8"	MPT1603
16mm	1/2"	MPT1604
1/8"	1/8"	MPT1/801
3/16"	1/8"	MPT3/1601
3/16"	1/4"	MPT3/1602
1/4"	1/8"	MPT1/401
1/4"	1/4"	MPT1/402
3/8"	1/4"	MPT3/802
3/8"	3/8"	MPT3/803
1/2"	1/4"	MPT1/202
1/2"	3/8"	MPT1/203
1/2"	1/2"	MPT1/204



Male Run Tee		
Tube	Bspt	Part
4mm	1/8"	MPST0401
4mm	1/4"	MPST0402
6mm	1/8"	MPST0601
6mm	1/4"	MPST0602
8mm	1/8"	MPST0801
8mm	1/4"	MPST0802
8mm	3/8"	MPST0803
10mm	1/4"	MPST1002
10mm	3/8"	MPST1003
10mm	1/2"	MPST1004
12mm	3/8"	MPST1203
12mm	1/2"	MPST1204
16mm	1/2"	MPST1604
1/4"	1/4"	MPST1/402
3/8"	3/8"	MPST3/803
1/2"	1/2"	MPST1/204



Tube Reducer		
Tube	Tube	Part
6mm	4mm	MPG0604
8mm	4mm	MPG0804
8mm	6mm	MPG0806
10mm	6mm	MPG1006
10mm	8mm	MPG1008
12mm	6mm	MPG1206
12mm	8mm	MPG1208
12mm	10mm	MPG1210



Plug		
Tube		Part
4mm		MPP04
6mm		MPP06
8mm		MPP08
10mm		MPP10
12mm		MPP12
16mm		MPP16
1/4"		MPP1/4
3/8"		MPP3/8
1/2"		MPP1/2



PNEUMATIC CONTROL SYSTEM SOLUTIONS

Hydair Drives specialises in the design, manufacture and installation of purpose built multi function control systems - hydraulic, pneumatic and electrical, for spray head applications on water trucks, process systems and many mobile applications requiring precise operation. All units are designed, assembled and tested in-house to specific requirements prior to installation.



PNEUMATIC COUPLINGS



Adaptor Hose	
Hose	Part
1/4"	20PM
3/8"	30PM
1/2"	40PM



Coupler Male	
Thread	Part
1/4" BSP	20SM
3/8" BSP	30SM
1/2" BSP	40SM



Coupler Hose	
Thread	Part
1/4"	20SH
3/8"	30SH
1/2"	40SH



Coupler Female	
Thread	Part
1/4" BSP	20SF
3/8" BSP	30SF
1/2" BSP	40SF



Adaptor Male	
Thread	Part
1/4" BSP	20PH
3/8" BSP	30PH
1/2" BSP	40PH



Adaptor Female	
Thread	Part
1/4" BSP	20PF
3/8" BSP	30PF
1/2" BSP	40PF

NITTO

SILENCERS AND MUFFLERS



S/Steel Silencer	
Thread	Part
1/8 BSPT	SS01
1/4 BSPT	SS02
3/8 BSPT	SS03
1/2 BSPT	SS04



Plastic Silencer	
Thread	Part
1/8 BSPT	ST01
1/4 BSPT	ST02
3/8 BSPT	ST03
1/2 BSPT	ST04



Button Silencer	
Thread	Part
1/8 BSPT	SBB01
1/4 BSPT	SBB02
3/8 BSPT	SBB03
1/2 BSPT	SBB04
3/4 BSPT	SBB06
1" BSPT	SBB08



Cone Silencer	
Thread	Part
1/8 BSPT	SB01
1/4 BSPT	SB02
3/8 BSPT	SB03
1/2 BSPT	SB04
3/4 BSPT	SB06
1" BSPT	SB08



Silencer Porous	
Thread	Part
1/8 BSPT	SP01
1/4 BSPT	SP02
3/8 BSPT	SP03
1/2 BSPT	SP04



Adj. Exhaust	
Thread	Part
1/8 BSPT	SASN01
1/4 BSPT	SASN02
3/8 BSPT	SASN03
1/2 BSPT	SASN04



FLOW CONTROL VALVES



Timing Muffler	
Thread	Part
1/8 BSPT	SBBS01
1/4 BSPT	SBBS02
3/8 BSPT	SBBS03
1/2 BSPT	SBBS04
3/4 BSPT	SBBS06
1" BSPT	SBBS08



Vertical Elbow Speed Controller		
Tube	Thread	Part
4mm	1/8 BSP	NSS0401
4mm	1/4 BSP	NSS0402
6mm	1/8 BSP	NSS0601
6mm	1/4 BSP	NSS0602
8mm	1/8 BSP	NSE0802
8mm	1/4 BSP	NSS0802



Tube Speed Controller		
Tube	Tube	Part
4mm	4mm	NSF04
6mm	6mm	NSF06
8mm	8mm	NSF08
10mm	10mm	NSF10
12mm	12mm	NSF12
3/16	3/16	NSF3/16
1/4	1/4	NSF1/4
3/8	3/8	NSF3/8
1/2	1/2	NSF1/2



Elbow Meter Out Speed Controller					
Tube	Thread	Part	Tube	Thread	Part
4mm	M5 x 0.8	NSE04M5	8mm	3/8 BSP	NSE0803
4mm	1/8 BSP	NSE0401	8mm	1/2 BSP	NSE0804
6mm	M5 x 0.8	NSE06M5	10mm	1/4 BSP	NSE1002
6mm	1/8 BSP	NSE0601	10mm	3/8 BSP	NSE1003
6mm	1/4 BSP	NSE0602	10mm	1/2 BSP	NSE1004
6mm	3/8 BSP	NSE0603	12mm	1/4 BSP	NSE1202
8mm	1/8 BSP	NSE0801	12mm	3/8 BSP	NSE1203
8mm	1/4 BSP	NSE0802	12mm	1/2 BSP	NSE1204



Aluminium Flow Controller		
Thread	Thread	Part
1/8 BSP	1/8 BSP	RE-01
1/4 BSP	1/4 BSP	RE-02
3/8 BSP	3/8 BSP	RE-03
1/2 BSP	1/2 BSP	RE-04

NICKEL PLATED BRASS PIPE FITTINGS



NIPPLE		
BSPT	BSPT	PART
1/8"	1/8"	HN271/8
1/4"	1/4"	HN271/4
3/8"	3/8"	HN273/8
1/2"	1/2"	HN271/2
3/4"	3/4"	HN273/4
1"	1"	HN271



REDUCING NIPPLE		
BSPT	BSPT	PART
1/4"	1/8"	RN731/401
3/8"	1/4"	RN733/802
1/2"	1/4"	RN731/202
1/2"	3/8"	RN731/203
3/4"	3/8"	RN733/403
3/4"	1/2"	RN733/404



TEE		
BSPT		PART
1/8"	x3	FT351/8
1/4"	x3	FT351/4
3/8"	x3	FT353/8
1/2"	x3	FT351/2
3/4"	x3	FT353/4
1"	x3	FT351



FEMALE SOCKET		
BSPP	BSPP	PART
1/8"	1/8"	HS261/8
1/4"	1/4"	HS261/4
3/8"	3/8"	HS263/8
1/2"	1/2"	HS261/2
3/4"	3/4"	HS263/4
1"	1"	HS261



REDUCING SOCKET		
BSPP	BSPP	PART
1/4"	1/8"	HRS291/401
3/8"	1/8"	HRS293/801
3/8"	1/4"	HRS293/802
1/2"	1/4"	HRS291/202
1/2"	3/8"	HRS291/203
3/4"	1/2"	HRS293/404



F / M ADAPTOR		
BSPT	BSPT	PART
1/4"	1/8"	FM721/401
1/4"	1/4"	FM721/402
3/8"	1/8"	FM723/801
3/8"	1/4"	FM723/802
1/2"	1/4"	FM721/202
1/2"	3/8"	FM721/203
1/2"	1/2"	FM721/204
3/4"	1/2"	FM723/404
1"	3/4"	FM72106



FEMALE ELBOW		
BSPP	BSPP	PART
1/8"	1/8"	FE341/8
1/4"	1/4"	FE341/4
3/8"	3/8"	FE343/8
1/2"	1/2"	FE341/2
3/4"	3/4"	FE343/4



MALE ELBOW		
BSPT	BSPT	PART
1/8"	1/8"	MME481/8
1/4"	1/4"	MME481/4
3/8"	3/8"	MME483/8
1/2"	1/2"	MME481/2



Tail	Bspt	Part
1/4"	1/8"	P31/401
1/4"	1/4"	P31/402
3/8"	1/4"	P33/802
3/8"	3/8"	P33/803
3/8"	1/2"	P33/804
1/2"	1/4"	P31/202
1/2"	3/8"	P31/203
1/2"	1/2"	P31/204



REDUCING BUSH		
BSPT	BSPT	PART
1/4"	1/8"	RB241/401
3/8"	1/8"	RB243/801
3/8"	1/4"	RB243/802
1/2"	1/8"	RB241/201
1/2"	1/4"	RB241/202
1/2"	3/8"	RB241/203
3/4"	1/8"	RB243/401
3/4"	1/4"	RB243/402
3/4"	3/8"	RB243/403
3/4"	1/2"	RB243/404
1"	3/4"	RB24106



M / F ELBOW		
BSPT	BSPT	PART
1/8"	1/8"	MFE251/8
1/4"	1/4"	MFE251/4
3/8"	3/8"	MFE253/8
1/2"	1/2"	MFE251/2



HEX PLUG		
BSPT		PART
1/8"		HP01
1/4"		HP02
3/8"		HP03
1/2"		HP04

Tail	Bspt	Part
1/4"	1/4"	P101/402
3/8"	1/4"	P103/802
3/8"	3/8"	P103/803
1/2"	1/4"	P101/202
1/2"	3/8"	P101/203
1/2"	1/2"	P101/204



Airgun		
Nozzle	Bsp	Part
25 mm	1/4"	AGSBU



Tube Cutter	
Part	
TC	



Airgun		
Nozzle	Bsp	Part
105	1/4"	AGMBU



Round Manifold	
Port Configuration	Part
3 x 1/4", 1/2" Bsp	MAN1/4RND



Airgun		
Nozzle	Bsp	Part
221	1/4"	AGLBU



Inline Bar Manifold	
Port Configuration	Part
7 x 1/4" Bsp	MAN1/4

PNEUMATIC TUBING AND COILS

POLYURETHANE TUBING



Polyurethane tube is made from high quality ether based polyurethane. It is easy to work with due to its exceptional flexibility and close tolerance construction. This tube will not kink and may be used in negative pressure applications.

Working pressure 0 - 150 Psi
Negative pressure -29.5 in Hg
Temperature limits -40 ~ 80C
Temperature range -15 ~ 60C
Burst rate 2.5 x working pressure



Available in six choice of colours.

Metric			Imperial		
OD mm	ID	Part	OD mm	ID	Part
3 mm	2 mm	U3X2MM	3/16	3.2 mm	U3/16
4 mm	2.5 mm	U4X2MM	1/4	4.2 mm	U1/4
6 mm	4 mm	U6X4MM	5/16	5 mm	U5/16
8 mm	5 mm	U8X5MM	3/8	6.4 mm	U3/8
10 mm	6.5 mm	U10X6MM	1/2	8.5 mm	U1/2
12 mm	8 mm	U12X8MM			
16 mm	11 mm	U16X11MM			

NYLON TUBING



Nylon tube is a cost effective pneumatic tubing solution. Slightly more ridged than polyurethane tubing but offering high UV stability and higher working pressures.

Working pressure 0 - 250 Psi
Burst rate 4 x working pressure
Available in black only

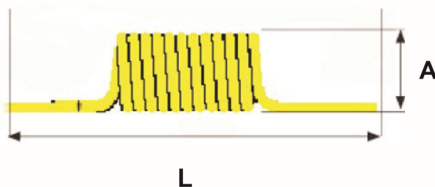
Metric			Imperial		
OD	ID	Part	OD mm	ID	Part
4 mm	2.7 mm	14-NM1104	3/16"	3.2 mm	14-N1103
6 mm	4 mm	14-NM1106	1/4"	4.3 mm	14-N1104
8 mm	5.2 mm	14-NM1108	5/16"	5.4 mm	14-N1105
10 mm	6.6 mm	14-NM1110	3/8"	6.5 mm	14-N1106
12 mm	8 mm	14-NM1112	1/2"	8.8 mm	14-N1108

POLYURETHANE COILS



Made from high quality ether based polyurethane material, this ensures excellent abrasion resistance and good resistance to fuels and oils. Very flexible, kink resistant and good return memory characteristics.

Working pressure 0 - 150 Psi
Negative pressure -29.5 in Hg
Temperature limits -40 ~ 80C
Temperature range -15 ~ 60C
Burst rate 2.5 x working pressure



OD mm	ID mm	Length mtrs	Working mtrs	A mm	L mm	Part
4	2	1.5	1.2	25.3	218	UC4x1.5
4	2	3.5	2.8	25.3	355	UC4x3.5
4	2	5	4	25.3	441	UC4x5
6	4	1.5	1.2	42	229	UC6x1.5
6	4	3.5	2.8	42	361	UC6x3.5
6	4	5	4	42	431	UC6x5
6	4	7.5	6	42	633	UC6x7.5
6	4	10	8	42	733	UC6x10
8	5	3.5	2.8	50	380	UC8x3.5
8	5	5	4	50	471	UC8x5
8	5	7.5	6	50	623	UC8x7.5
8	5	10	8	50	774	UC8x10
10	6.5	3.5	2.8	62.7	399	UC10x3.5
10	6.5	5	4	62.7	490	UC10x5
10	6.5	7.5	6	62.7	641	UC10x7.5
10	6.5	10	8	62.7	792	UC10x10
12	8	3.5	2.8	84.5	374	UC12x3.5