

## A total pneumatic system solution



Goyen's pneumatic control valve range is manufactured to ISO9001 standards that ensures quality assurance in design, development and production. Goyen have been manufacturing and supplying quality pneumatic products to the Australian market for over 60 years. Our success has been based on providing quality products, on time and at a competitive price, backed by customers service that is second to none.

Goyen's pneumatic control valve range includes solenoid and air pilot operated valves, in a standard range of switching positions, size and coil voltages, poppet and lever, foot activated manual air valves, quick exhaust and hold back valves as well as ISO 5599 base mounted valves.

In addition to the products detailed in this catalogue, Goyen manufactures and supplies a comprehensive range of pneumatic products aimed at providing users with total system solutions.

### Single Piloted Valves

Goyen's single piloted valves are supplied with internal air return as standard. Spring return or spring and air return are optional.

### Solenoid Valves

Goyen solenoid valves are supplied with a monostable manual test as standard. Bistable manual test or no manual test are optional.

## Pneumatic Control Valves

### Solenoid Pilot Spool Valves

Description	P/n	Operator	Port/Pos.	Port Size	Op. Press (kPa)
1/4" Ports	6TSS3/2*	Single Pilot	3/2	1/4	250-1000
1/4" Ports	6TDS3/2*	Double Pilot	3/2	1/4	250-1000
1/4" Ports	6TSS5/2*	Single Pilot	5/2	1/4	250-1000
1/4" Ports	6TDS5/2*	Double Pilot	5/2	1/4	250-1000
1/4" Ports	6TDS5/3P*	Double Pilot	5/3PC	1/4	300-1000
1/4" Ports	6TDS5/3C*	Double Pilot	5/3CC	1/4	300-1000
1/2" Ports	12TSS3/2*	Single Pilot	3/2	1/2	250-1000
1/2" Ports	12TDS3/2*	Double Pilot	3/2	1/2	250-1000
1/2" Ports	12TSS5/2*	Single Pilot	5/2	1/2	250-1000
1/2" Ports	12TDS5/2*	Double Pilot	5/2	1/2	250-1000
1/2" Ports	12TDS5/3P*	Double Pilot	5/3 PC	1/2	300-1000
1/2" Ports	12TDS5/3C*	Double Pilot	5/3 CC	1/2	300-1000

\* See Coil Selection table

### Pilot Air Valves - 3/2

Model	Model (Built in flow control)	Number of Valves Manifoldd Together	Operator	Port Size	Operating Pressure (kPa)
PAV	PAV1-M	1	Direct Solenoid	1/4	0-1000
PAV-2	PAV2-M	2	Direct Solenoid	1/4	0-1000
PAV-3	PAV3-M	3	Direct Solenoid	1/4	0-1000
PAV-4	PAV4-M	4	Direct Solenoid	1/4	0-1000
PAV-5	PAV5-M	5	Direct Solenoid	1/4	0-1000
PAV-6	PAV6-M	6	Direct Solenoid	1/4	0-1000

### Repair Kits

Number	Description	Port/Pos.	Port Size
KM636	Single Solenoid and Single Air	3/2 and 5/2	1/4 and 1/2
KM689	Double Solenoid and Double Air	3/2 and 5/2	1/4 and 1/2
KM686	Double Solenoid and Double Air	5/3PC and 5/3CC	1/4 and 1/2
KM1797	Plunger Kit (per solenoid)		
KM1699	Plunger and Ferrule Kit		
KM1939	Lever Dust Boot		
KM393	Lever/Foot Valve Seal Kit		
KM703	Poppet Valve Seal Kit		

PC = All Ports Closed

CC = Load Ports Open to Exhaust

Port threads standard in 'G' and 'NPT'

### Typical Flow Rates at 700 kPa (100 PSI)

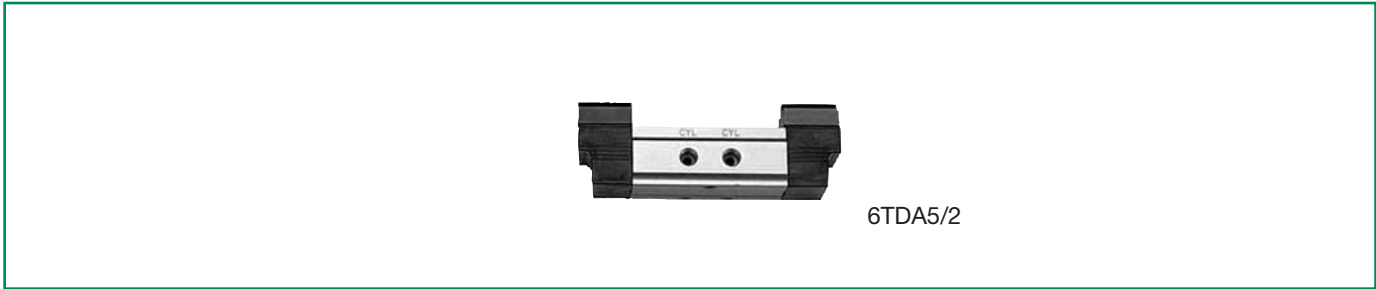
**Spool valves:** G1/4" 1200 l/min (40cfm), G1/2" 3400 l/min (120 cfm)

**Direct Lift Valves:** PAV 250 l/min (9 cfm)

**Poppet Valves:** IN-CYL 650 l/min (23 cfm), CYL-EX 310 l/min (11cfm)

**Operating Temperature Range:** All Valves -20C to +50C

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**ISO5599 Interface Solenoid Valves**

Description	P/n	Operator	Port/Pos.	Op. Press (kPa)
ISO size 2	10ISS5/2*	Single Pilot	5/2	250-1000
ISO size 2	10ISD5/2*	Double Pilot	5/2	250-1000
ISO size 2	10IDS5/3P*	Double Pilot	5/3 PC	300-1000
ISO size 2	10IDS5/3C*	Double Pilot	5/3 CC	300-1000

\* Nominate coil voltage

**Air Piloted Valves - 1/4" and 1/2"**

Description	P/n	Operator	Port/Pos.	Port Size		Op. Press (kPa)	
				Main	Pilot	Main	Pilot
1/4" Ports	6TSA3/2	Single Pilot	3/2	1/4	1/4	250-1000	250-1000
1/4" Ports	6TDA3/2	Double Pilot	3/2	1/4	1/4	0-1000	250-1000
1/4" Ports	6TSA5/2	Single Pilot	5/2	1/4	1/4	250-1000	250-1000
1/4" Ports	6TDA5/2	Double Pilot	5/2	1/4	1/4	0-1000	250-1000
1/4" Ports	6TDA5/3P	Double Pilot	5/3 PC	1/4	1/4	0-1000	300-1000
1/4" Ports	6TDA5/3C	Double Pilot	5/3 CC	1/4	1/4	0-1000	300-1000
1/2" Ports	12TSA3/2	Single Pilot	3/2	1/2	1/4	250-1000	250-1000
1/2" Ports	12TDA3/2	Double Pilot	3/2	1/2	1/4	0-1000	250-1000
1/2" Ports	12TSA5/2	Single Pilot	5/2	1/2	1/4	250-1000	250-1000
1/2" Ports	12TDA5/2	Double Pilot	5/2	1/2	1/4	0-1000	250-1000
1/2" Ports	12TDA5/3P	Double Pilot	5/3PC	1/2	1/4	0-1000	300-1000
1/2" Ports	12TDA5/3C	Double Pilot	5/3CC	1/2	1/4	0-1000	300-1000

Port threads standard in 'G' and 'NPT'

**Coil Selection Table**

Coil Voltage	Coil P/n	Explosion Proof Coil P/N
240 50Hz	7043	4D41
110 50/60Hz	7093	4D91
24 50/60Hz	7023	4D21
12DC	70D7	4DD7
24DC	7027	4D27
Connection Type	DIN Terminal Box	Flying lead connection only