

Function	Port size	Flow (Max)	Manifold mounting	Series
3/2 NO-NC, 2/2 NO-NC	1/4"	0.4 C_v	sub-base with pressure regulators	



OPERATIONAL BENEFITS

1. Balanced poppet, immune to variations of pressure.
2. Short stroke with high flow.
3. The patented solenoid develops high shifting forces.
4. Powerful return spring.
5. Manual operator standard on all valves.
6. Burn-out proof solenoid on AC service.
7. Individual pressure control to each cylinder port.



35
100
200
55
56
57
58
59

HOW TO ORDER

Port size	Universal valve	NC only valve
		
Valve less base	250B- XXYZZ	280B- XXYZZ
1/4" base NPTF	252B- XXYZZ	282B- XXYZZ

45

SOLENOID OPERATOR >

XX Y ZZ*

XX Voltage	Y Manual operator	ZZ Electrical connection
11 120/60, 110/50, 24 VDC (6.0 W)	1 Non-locking	JA Square connector
12 240/60, 220/50	2 Locking	JC Square connector with light
22 24/60, 24/50		BA Flying leads (18")
52 24 VDC (2.5 W)		CA Conduit 1/2" NPS
78 24 VDC (24.0 W)		
61 24 VDC (8.5 W)		

700

* Other options available, see page 357.

Manifold fastening kit required : N-02003

MODEL

- 252B-** 3-Way N.C. or N.O.
- 262B-** 2-Way N.C. or N.O.
- 282B-** 3-Way N.C. only

INDIVIDUAL PRESSURE CONTROL TO EACH CYLINDER PORT

In this version the common inlet pressure supplies each individual valve in the stack. This common pressure passes through a relieving type regulator mounted on the same base as the valve and is supplied through the function plate to the Normally Closed or Normally Open poppet position. Through use of the appropriate function plate on the 200 Series basic valve, the operation can be Normally Closed Or Normally Open, 3-way or 2-way except for 282B models which are Normally Closed only. The exhaust ("out") port is common. Operation of the valves then opens or closes the cylinder port (See schematic diagram next page).

82

6300

6500

6600

1300

800

ISO 1

ISO 2

ISO 3

MAC 125A

MAC 250A

MAC 500A

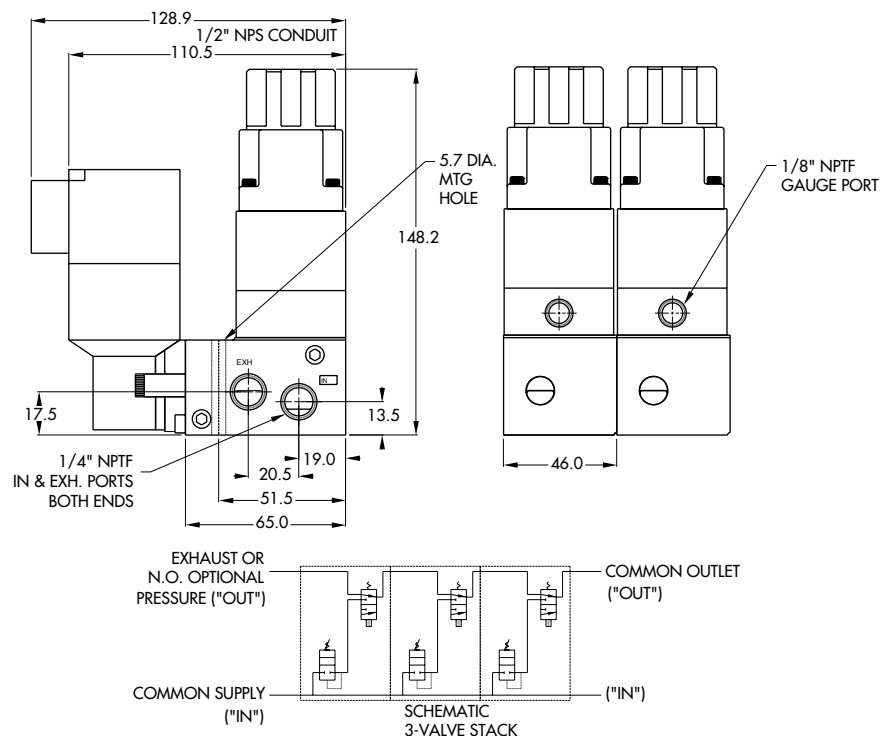
TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases		
Pressure range :	Vacuum to 150 PSI		
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)		
Filtration :	40 μ		
Temperature range :	0°F to 140°F (-18°C to 60°C)		
Flow (at 6 bar, ΔP=1bar) :	0.4 C _v		
Coil :	General purpose class A, continuous duty, encapsulated		
Voltage range :	-15% to +10% of nominal voltage		
Protection :	Consult factory		
Power :	~ Inrush : 33 VA Holding : 19.7 VA = 1 to 24 W		
Response times :	24 VDC (8.5 W)	Energize : 15 ms	De-energize : 5 ms
	120/60	Energize : 3-8 ms	De-energize : 3-13 ms

- Spare parts :
- Solenoid operator (power ≥ 6 W) : D4-XXAAB, cover mounting screws 32222 and seal B5-6001.
 - Function plate : A2-7005. • Seal between bases (x2) : 17016-01. • Tie-rod (x2) : B4-9004. • Pressure regulator : PR02A-A0AA.
- Options :
- BSPP threads. • Explosion-proof model. • Isolation of inlet and/or exhaust.
 - Mod. PR80 (0-80 pressure range), Mod PR30 (0-30 pressure range)

DIMENSIONS

Dimensions shown are metric (mm)



Function	Inlet & outlet port size	Flow (Max)	Manifold mounting	Series
3/2 NO-NC, 2/2 NO-NC	1/4"	0.4 C_v	sub-base with pressure regulators	


OPERATIONAL BENEFITS

1. Balanced poppet, immune to variations of pressure.
2. Short stroke with high flow.
3. The patented solenoid develops high shifting forces.
4. Powerful return spring.
5. Manual operator standard on all valves.
6. Burn-out proof solenoid on AC service.
7. Selected pressure control to a single outlet.



35
100
200
55
56
57
58
59

HOW TO ORDER

Port size	NC only valve
	
Valve	251B- XXYYZZ

SOLENOID OPERATOR ►

XX Y ZZ*

XX Voltage	Y Manual operator	ZZ Electrical connection
11 120/60, 110/50, 24 VDC (6.0 W)	1 Non-locking	JA Square connector
12 240/60, 220/50	2 Locking	JC Square connector with light
22 24/60, 24/50		BA Flying leads (18")
52 24 VDC (2.5 W)		CA Conduit 1/2" NPS
78 24 VDC (24.0 W)		
61 24 VDC (8.5 W)		

45
700
900
82

* Other options available, see page 357.

Manifold fastening kit required : N-02003

MODEL

251B-
3-Way Normally Closed

SELECTED PRESSURE CONTROL TO A SINGLE OUTLET

This version permits the alternate selection of any of the regulated pressures in the stack to one common outlet. With all valves de-energized the regulated pressure supplied to the Normally Open pressure port passes through the valves and out the corresponding port at the other end of the stack (Common Outlet Port). Pressure supplied to the common inlet port is regulated at each valve and blocked by the poppet of each valve. When a valve is shifted in the stack the Normally Open pressure is blocked and the regulated normally closed pressure of that valve is open to the common outlet. If two valves are energized at the same time the pressure at the common outlet would be that of the energized valve nearest the outlet. If the normally open pressure port is not used it is open to exhaust from the common outlet. The individual cylinder port in each base is non-operative. (See schematic diagram next page).

6300
6500
6600
1300
800
ISO 1
ISO 2
ISO 3
MAC 125A
MAC 250A
MAC 500A

TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases		
Pressure range :	Vacuum to 150 PSI		
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)		
Filtration :	40 μ		
Temperature range :	0°F to 140°F (-18°C to 60°C)		
Flow (at 6 bar, ΔP=1bar) :	0.4 C _v		
Coil :	General purpose class A, continuous duty, encapsulated		
Voltage range :	-15% to +10% of nominal voltage		
Protection :	Consult factory		
Power :	- Inrush : 33 VA Holding : 19.7 VA = 1 to 24 W		
Response times :	24 VDC (8.5 W)	Energize : 15 ms	De-energize : 5 ms
	120/60	Energize : 3-8 ms	De-energize : 3-13 ms

Spare parts :

- Solenoid operator (power ≥ 6 W) : D4-XXAAB, cover mounting screws 32222 and seal B5-6001.
- Function plate : A2-7005. • Seal between bases (x2) : 17016-01. • Tie-rod (x2) : B4-9004. • Pressure regulator : PR02A-A0AA.

Options :

- BSPB threads. • Explosion-proof model. • Isolation of inlet and/or exhaust.
- Mod. PR80 (0-80 pressure range), Mod PR30 (0-30 pressure range)

DIMENSIONS

Dimensions shown are metric (mm)

