

Type 2200

Electric-Pneumatic Control Valves

Features

- On/Off Operation
- Energy saving design

Applications

- Clutches/brakes
- Paper handling
- Cylinder operations
- Robotic control
- Automation systems



The T2200 series direct operated poppet valves are compact in size, provide large flow capacity and low power consumption. The T2200 valve is a single valve, multi ported for 2 way and 3 way operation. Options include standard and continuous operation, standalone use or manifold and flying leads or DIN terminal. The manifold mounted valve can be easily operated through PLC control in robotics and automation installations.

Technical Specifications

Model	T2200	T2201	T2202
Port Size	Manifold	1/8"	1/4"
Flow Rate Cv (scfm)	0.10-0.19 (5.5-10.7)		
Operating mg. PSI			
	Standard	0 to 100	
	Vacuum	-14.5 to 14.5	
Temp Range F	14-122°F (-10-50° C)		
Response Time	20ms or less		
Enclosure	Dustproof		
Coil Ratings			
AC	Voltage	110, 220, 50/60Hz, -15 to +10%	
	Power - Inrush	12.7VA/50Hz - 10.7VA/60Hz	
	Power - Holding	7.6VA/50Hz - 5.4VA/60Hz	
DC	Voltage	12, 24, -15 to +10%	
	Power Consumption	4 Watts	
Cycle Test	1.0 million w/o fail		
Electrical	600mm Leads or DIN terminal w/ connector		
Manifold/Body Material	Aluminum		

Flow Chart	1 → 2 (P → A)		2 → 3 (A → R)		3 → 2 (R → A)		2 → 1 (A → P)	
	T2201 Standard	Cv 0.18	10.0 scfm	Cv 0.17	9.5 scfm	Cv 0.17	9.5 scfm	Cv 0.17
T2201 Vacuum	Cv 0.18	10.0 scfm	Cv 0.17	9.5 scfm	Cv 0.17	9.5 scfm	Cv 0.17	9.5 scfm
T2202 Standard	Cv 0.19	10.7 scfm	Cv 0.17	9.5 scfm	Cv 0.17	9.5 scfm	Cv 0.18	10.0 scfm
T2202 Vacuum	Cv 0.19	10.7 scfm	Cv 0.17	9.5 scfm	Cv 0.17	9.5 scfm	Cv 0.18	10.0 scfm

Ordering Matrix

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Port Size

Manifold Ported	00
1/8" NPT Body Ported	01
1/4" NPT Body Ported	02

Porting

Manifold Ported	05
1/8" NPT Body Ported	10

Voltage

110VAC	110VAC
220VAC	220VAC
24VDC	24VDC
12VDC	12VDC

Options

Standard	S0
Standard w/DIN Terminal	SD
Vacuum	V0
Vacuum w/DIN Terminal	VD

Accessories

Part Number

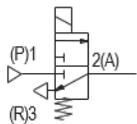
NPT Body Ported Mounting Bracket Kit (w/screws)						607000132
NPT Manifolds & Accessories	PORT	1(P)	2(A)	3(R)		
5 Station, Common Exhaust, 1/8" output		1/8	1/8	1/8	679061000	
5 Station, Individual Exhaust, 1/8" output		1/4	1/8	1/8	679061001	
5 Station, Individual Exhaust, 1/4" output		1/4	1/4	1/8	679061002	
10 Station, Common Exhaust, 1/8" output		1/8	1/8	1/8	679062000	
10 Station, Individual Exhaust, 1/8" output		1/4	1/8	1/8	679062001	
10 Station, Individual Exhaust, 1/4" output		1/4	1/4	1/8	679062002	
Blanking Plate Kit (w/screws and gasket)					638172000	
Function Plate Kit (w/screws and gasket)*					638173000	

(User must modify the plate for N.O. function.)

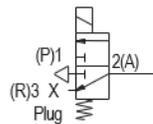
*Function Plate Kit included with all Manifold Ported Valves

Application Examples

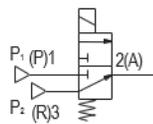
Blow-off valve



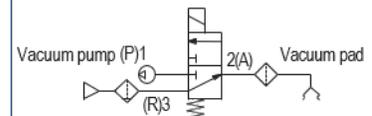
Pressure release valve



Selector valve

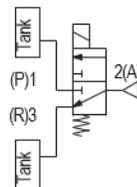


Valve for vacuum

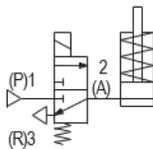


Vacuum releasing air
Atmospheric pressure or micro pressure

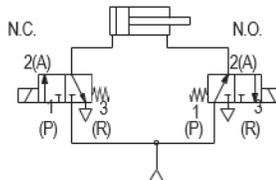
Divider valve



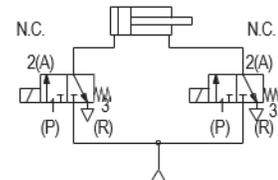
Single-acting cylinder drive



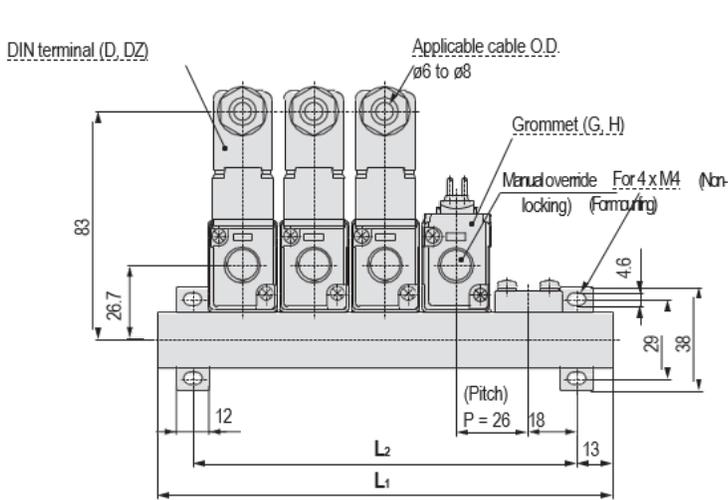
Double-acting cylinder drive



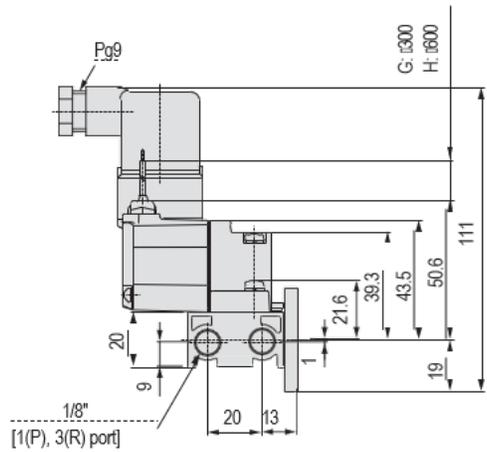
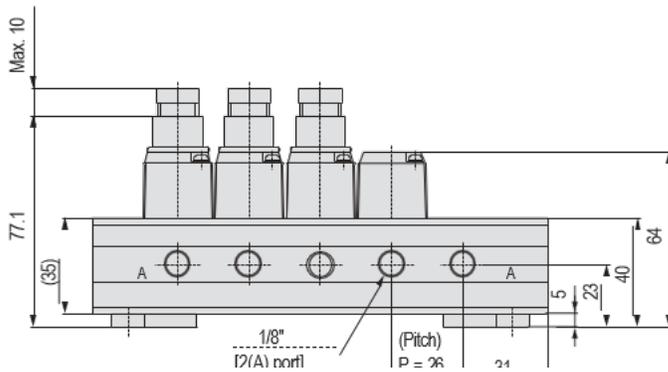
Double-acting cylinder drive (Exhaust center)



Common Exhaust Drawings



(Station n) (Station 1)



Dimension per Station - Common Exhaust		
	L1	L2
5 Station	166 mm	140 mm
10 Station	296 mm	270 mm

⚠ Caution

This product is delivered as N.C. valve.
 If N.O. valve is required, remove mounting screws of the required valve and turn over the function plate. (Make sure that there are gaskets on both sides of the plate.) Then, tighten the mounting screws to fix the valve to the manifold base.

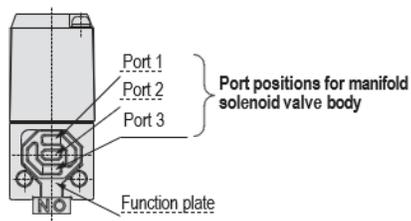
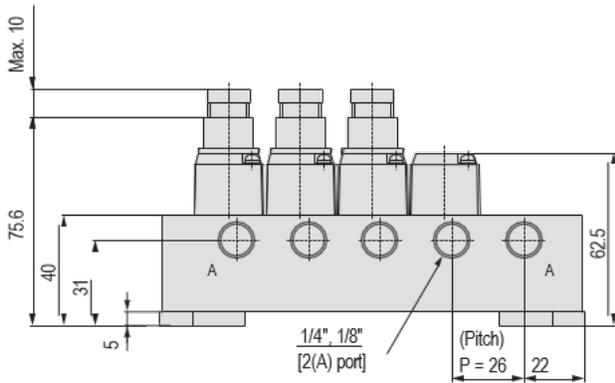
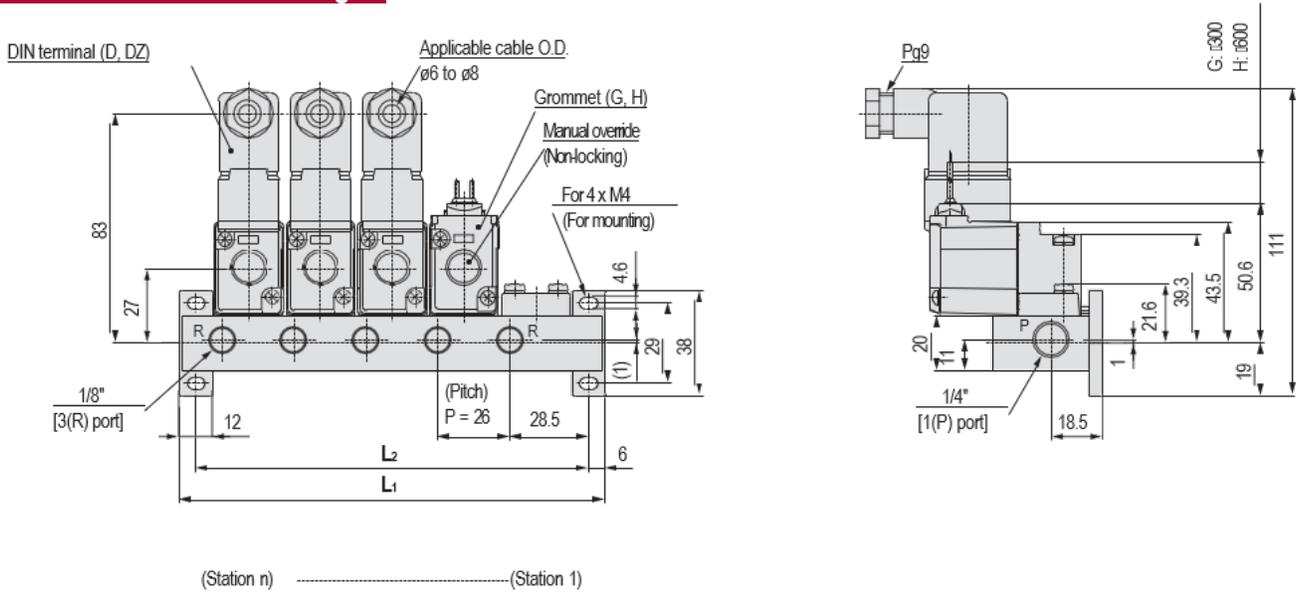


Figure: For N.C.

Individual Exhaust Drawings



Dimension per Station - Individual Exhaust		
	L1	L2
5 Station	154 mm	142 mm
10 Station	284 mm	272 mm

⚠ Caution

This product is delivered as N.C. valve.
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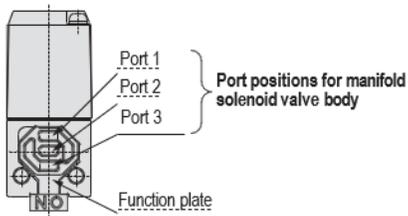


Figure: For N.C.