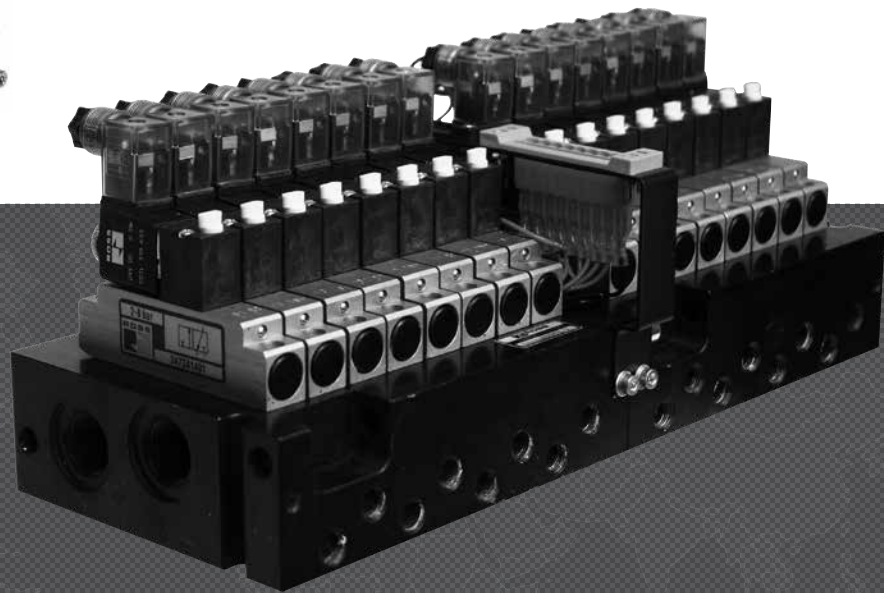




MINIATURE W14 SERIES & SOLENOID PILOT PACK SERIES VALVES



ROSS CONTROLS

SOLENOID PILOT CONTROLLED PACK VALVES – KEY FEATURES

- Individual Valve Shut-off (automatic): increases uptime for continuous processing
- Sure-Shifting and Self-Cleaning: reliable performance in extreme conditions (dirt tolerant, high humidity, cold, heat, dust, debris returned from the field actuator, etc...)
- Easily Accessible Manual Override (Yellow): turn to actuate, no tools needed
- Positive Sealing and Self-Compensating for Wear: perpendicular poppet face seals
- Quick Electrical Disconnect w/Indicator Light: allows immediate troubleshooting of component/system issues in the field.
- Consistent Actuation over the Life of the Valve: strong shifting forces
- Explosion Proof & Intrinsically Safe - options available, consult ROSS
- 8 & 16 Station Valve/Manifold: flying wire leads or central wiring option

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4-Way Solenoid Pilot Controlled Pack Valves	C7.4
3-Way Solenoid Pilot Controlled Pack Valves	C7.5



Solenoid Pilot Controlled Miniature Valves

W14 Series

3-Way 2-Position Valves, Single Direct Solenoid, Spring Return			
Override Type	Valve Model Number#*	C _v	
	Normally Closed		
Locking	W1413A1408W	0.1	
Non-Locking	W1413A1409W	0.1	

Voltage: W=24 VDC; Z=110-120 VAC, 50/60 Hz, e.g., W1413A1408Z. For other voltages, consult ROSS.
* Sub-bases and manifold base ordered separately.

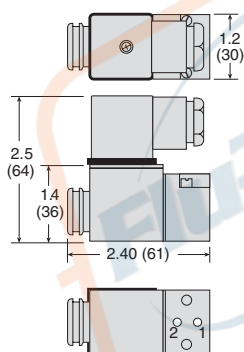


Sub-Base	Port Threads	Model Number
	1/8 NPT	516B91
	1/8 BSPP	D516B91

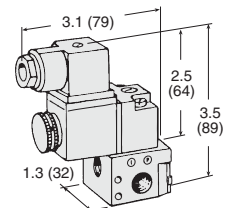
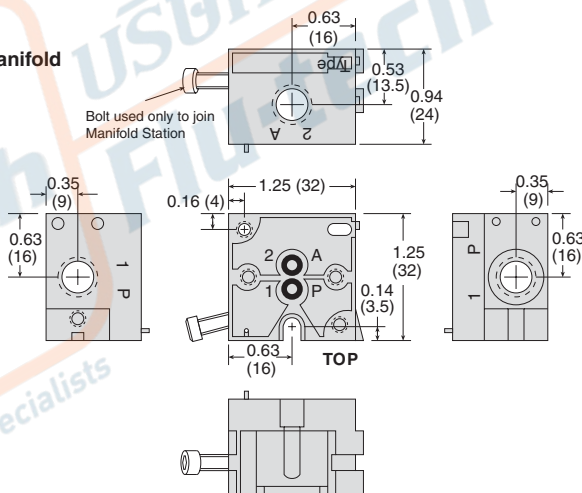
Manifold Base	Model Number
	535K91

Dimensions – inches (mm)

Valve



Manifold



Valve is shown with electrical connector and on a base.
Electrical connector, optional.

ACCESSORIES

Electrical Connectors	Electrical Connector Form	Electrical Connector Type	Cord Length meters (feet)	Cord Diameter	Electrical Connector Model Number		
					Without Light	Lighted Connector*	
						24 Volts DC	120 Volts AC
EN 175301-803 Form A	Prewired Connector (18 gauge)	Prewired Connector (18 gauge)	2 (6½)	6-mm	721K77	720K77-W	720K77-Z
					371K77	383K77-W	383K77-Z
EN 175301-803 Form A	Connector for threaded conduit (1/2 inch electrical conduit fittings)		–	–	723K77	724K77-W	724K77-Z
EN 175301-803 Form A	Connector Only		–	–	937K87	936K87-W	936K87-Z

* Lights in connectors with a translucent housing can be used as indicator lights to show when solenoids are energized.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Poppet	Temperature	Ambient: 5° to 120°F (-15° to 50°C) Media: 5° to 175°F (-15° to 80°C) <i>For temperatures below 40°F (4°C) air must be free of water vapor to prevent formation of ice.</i>
Mounting Type	Base	Flow Media	Filtered air
Solenoids	Rated for continuous duty	Operating Pressure	Vacuum to 150 psig (10 bar)
Voltage	24 volts DC; 110-120 volts AC, 50/60 Hz	Construction Material	Valve Body: Cast Aluminum Seals: Buna-N
Power Consumption	6 watts on DC; 8 VA inrush, 6 VA holding on 50 or 60 Hz	Manual Override	Flush; metal, locking and non-locking
Enclosure Rating	IP65, IEC 60529		
Electrical Connections	EN 175301-803 Form A connector		



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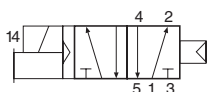
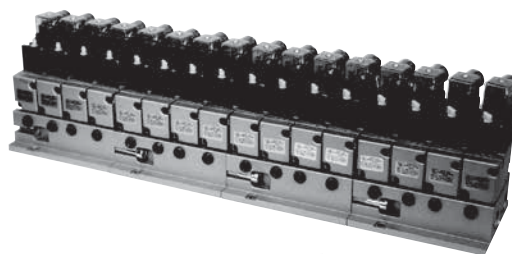
845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 10270
845/3-4 Thepharak RD., T.Thepharak, A.Muang, Samutprakarn 10270 THAILAND
Tel. 0 2384 6060, Fax 0 2384 5701, Email : sales@flutech.co.th, www.flutech.co.th

4-Way Solenoid Pilot Controlled Pack Valves

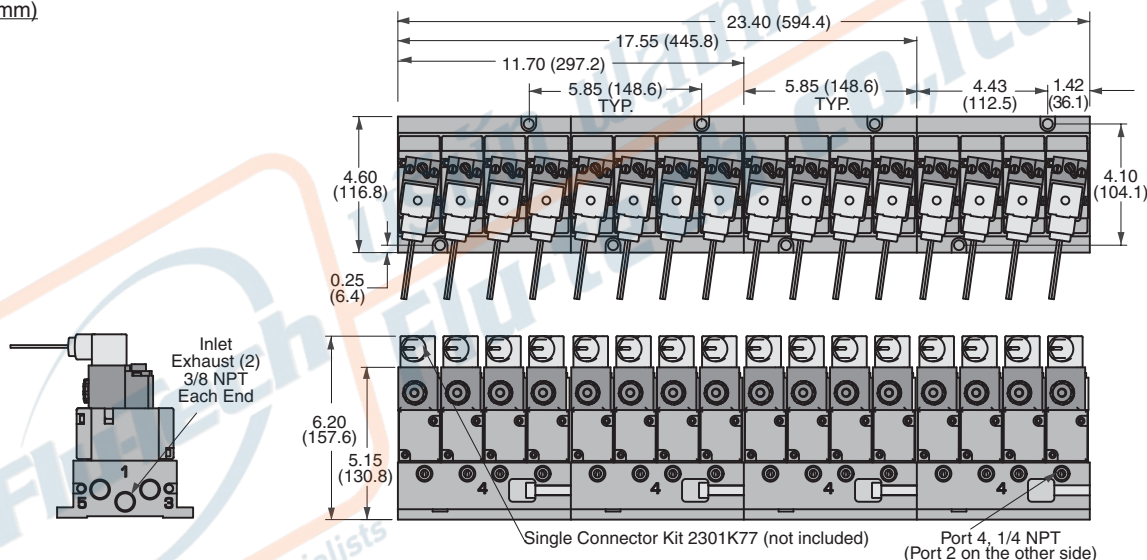
Pack Series

5-Way 2-Position Valves, Single Solenoid Pilot Controlled		
Valve/Manifold Assembly	Model Number#	C _v
4 Station	3900A1052-1W	0.5
8 Station	3900A1052-2W	0.5
12 Station	3900A1052-3W	0.5
16 Station	3900A1052-4W	0.5
20 Station and over	consult ROSS	0.5

Voltage: W=24 VDC; Z=110-120 VAC, 50/60 Hz, e.g., 3900A1052-1Z.
For other voltages, consult ROSS.



Dimensions – inches (mm)



ACCESSORIES & OPTIONS

Silencers

Port Size	Thread Type	Model Number	
		NPT Threads	G Threads
3/8	Male	5500A3013	D5500A3013
1/2	Male	5500A4003	D5500A3003

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.



Fitting	Fitting Type	Port Threads	Model Number*
	Brass Swivel	1/4	270A27

*1/4 tube.

Electrical Connector	Connector Type	Model Number*
	EN 175301-803 Form A	2301K77

* Electrical Connector w/10' leads.

For dual or spring return actuators. Field convertible to a 3/2 Valve.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Poppet	Temperature	Ambient: 39° to 122°F (4° to 50°F) Media: 39° to 175°F (4° to 80°C)
Mounting Type	Base	Flow Media	Filtered air
Solenoids	Rated for continuous duty	Operating Pressure	30 to 150 psig (2 to 10 bar)
Voltage	24 volts DC; 110-120 volts AC, 50/60 Hz	Indicator Light	In connector
Power Consumption	2.1 watts on DC; 3.9 VA holding on 50/60 Hz	Construction Material	Valve Body: Cast Aluminum Seals: Buna-N
Enclosure Rating	IP65, IEC 60529		
Electrical Connections	EN 175301-803 Form A connector		



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845/3-4 Thepharak RD., T.Thepharak, A.Muang, Samutprakarn 10270 THAILAND
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3-Way Solenoid Pilot Controlled Pack Valves

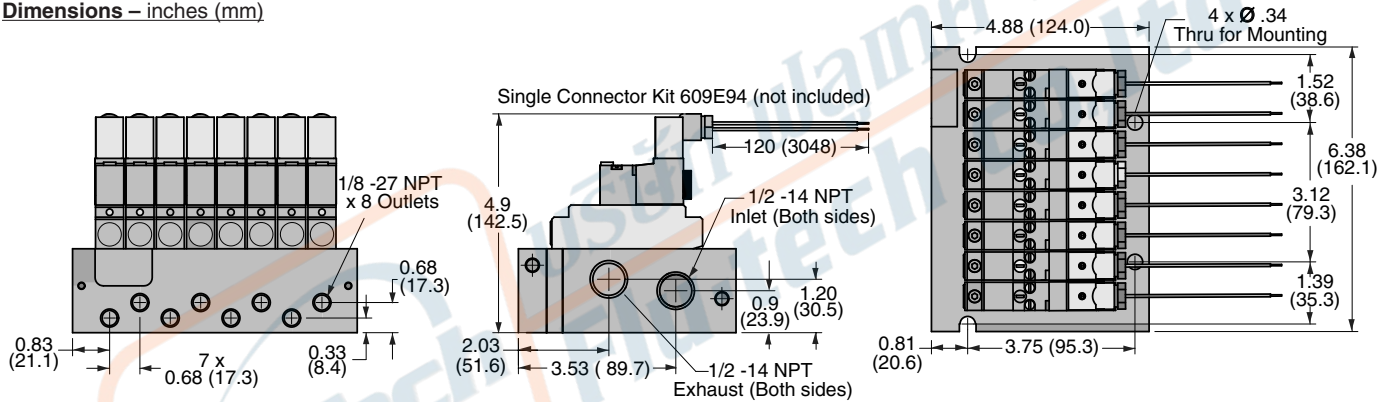
Pack Series

3-Way 2-Position Valves - Extended-Duty, Single Solenoid Pilot Controlled			
Valve/Manifold Assembly	Model Number#		C _v
	Normally Closed		
	Flying Leads	Central Wiring	
8 Station	3900A0713-1W	3900A1055-1W	0.5
16 Station	3900A0713-2W	3900A1055-2W	0.5
24 Station and over	consult ROSS	consult ROSS	0.5

Voltage: W=24 VDC; Z=110-120 VAC, 50/60 Hz, 3900A1052-1Z.
For other voltages, consult ROSS.



Dimensions – inches (mm)



ACCESSORIES & OPTIONS

Silencers

Port Size	Thread Type	Model Number	
		NPT Threads	G Threads
3/8	Male	5500A3013	D5500A3013
1/2	Male	5500A4003	D5500A3003

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.



Fitting	Fitting Type	Port Threads	Model Number*	
			Flying Leads	Central Wiring
	Metal Swivel	1/8	322E27	322E27

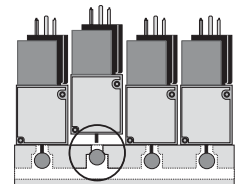
*1/4 tube.

Electrical Connector	Connector Type	Model Number	
		Flying Leads	Central Wiring
	EN 175301-803 Form C	609E94	consult ROSS

* Electrical Connector w/10' leads.

Individual Valve Shut-off (automatic): Individual valves can be removed without shutting off main air supply to the whole manifold or entire solenoid cabinet.

- Simply remove the valve and an internal check-ball automatically blocks inlet air to that station
- Inlet air is automatically restored to the station when the valve is returned



4/2 Low-Power Solenoid Pilot Controlled Valves available, consult ROSS.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Poppet	Temperature	Ambient: 39° to 122°F (4° to 50°F) Media: 39° to 175°F (4° to 80°C)
Mounting Type	Base	Flow Media	Filtered air
Solenoids	Rated for continuous duty	Operating Pressure	30 to 150 psig (2 to 10 bar)
Voltage	24 volts DC; 110-120 volts AC, 50/60 Hz	Indicator Light	In connector
Power Consumption	0.8 watts on DC; 0.03 VA holding on 50/60 Hz	Construction Material	Valve Body: Cast Aluminum Seals: Buna-N
Enclosure Rating	IP65, IEC 60529		
Electrical Connections	EN 175301-803 Form C connector		



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