PNEUMATICS Pneumatic GVP Series Miniature Solenoid Valves

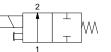


Part No. GVP-211C-12D



Part No. GVP-321C-12D

Diagram "A"



2-way, 2-position, Spring Return

Diagram "B"

3-way, 2-position, Spring Return

GVP Series Miniature Solenoid Valves								
Models	GVP-211C-12D	GVP-211C-24D	GVP-311C-12D	GVP-311C-24D	GVP-221C-12D	GVP-321C-12D	GVP-321C-24D	
Price								
Weight (lbs)	0.05			0.1				
Size	10mm 15mm							
Valve Type	2-way, 2-position, Normally Closed 3-way, 2-position, Normally Closed			2-way, 2-position, Normally Closed	3-way, 2-position, Normally Closed			
Acting	Single solenoid spring return poppet							
Diagram	A B			A	В			
Fluid	Air or Inert Gas (to be filtered by 40µ filter element)							
Min. / Max. Pressure	0 to 105 psi (0 to 7.24 bar)							
Flow (Cv)	0.013	0.013	0.013	0.013	0.047	0.047	0.047	
Port		Req	uires GM type 10r	nm or 15mm man	anifolds for operation			
Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	12VDC	24VDC	
Continuous ON Power	1.3 W 1.6 W							
Expected Life	50,000,000 cycles at max 3 cycles/second							
Wiring	Connector Receptacle (Wire connector required) 18" Flying Leads							
Response Time	6ms (on), 8ms (off)							
Indication	LED							
Temperature - Operation and Storage	14~122°F (-10~50°C)							
Lubrication	Not Required							
Body	Glass-filled nylon							
Protection	n/a							

NITRA[™] pneumatic miniature solenoid valves are an excellent choice for many automation applications with low flow requirements. Valves must be mounted to a GM-3 series manifold (sold separately).

Features

- 10mm and 15mm valve widths
- Available in 2-way or 3-way normally closed configurations
- 12 or 24 VDC solenoids
- GM-3 series manifolds sold separately



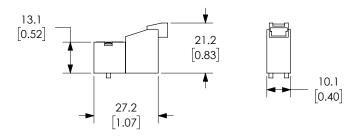


See <u>for</u> a wide variety of fitting options

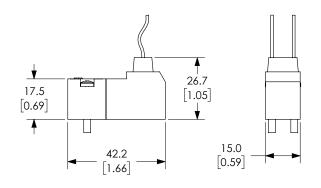


RA NEUMATICS Pneumatic GVP Series Miniature Solenoid Valves

Dimensions mm [inches]



GVP-x11C-xxD



GVP-x21C-xxD

See our website <u>for complete Engineering d</u>rawings.

NITRA Pneumatic GVP Series Miniature Solenoid Valve Manifolds



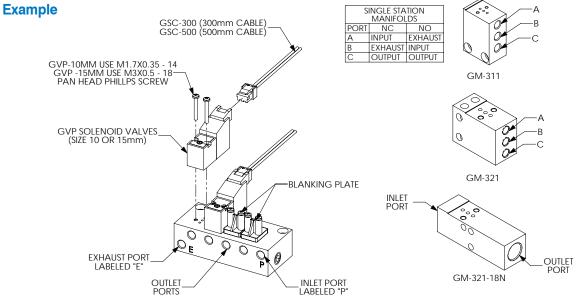
NITRA manifolds designed to work with 10mm wide GVP series valves.

- Single to 6 stations
- #10-32 female threaded ports
- Precision machined
- Compact
- Anodized aluminum for corrosion resistance
- Made in USA



Nitra Pneumatic GVP Series 10mm Miniature Solenoid Valve Manifolds								
ltem	Part No.	Description	A inches [mm]	Price	Weight (lbs)			
	GM-311	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (1) station, #10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s). For use with GVP-21 and GVP-31 series solenoid valves.	N/A		0.05			
0000	GM-312	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (2) sta- tions, #10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s). For use with GVP-21 and GVP-31 series solenoid valves.	1.42 [36.1]		0.05			
2	GM-314	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (4) sta- tions, #10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s). For use with GVP-21 and GVP-31 series solenoid valves.	2.25 [78.2]		0.10			
*******	GM-316	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (6) sta- tions, #10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s). For use with GVP-21 and GVP-31 series solenoid valves.	3.08 [78.2]		0.15			

Assembly



NITRA Pneumatic GVP Series Miniature Solenoid Valve Manifolds

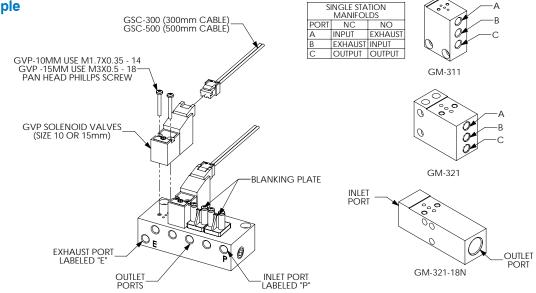


NITRA manifolds designed to work with 15mm wide GVP series valves.

- Single to 4 stations
- #10-32 threaded or 1/8in NPT female ports
- Precision machined
- Compact
- Anodized aluminum for corrosion
- resistance
- Made in USA

Nitra Pneumatic GVP Series 15mm Miniature Solenoid Valve Manifolds							
ltem	Part No.	Description	A inches [mm]	Price	Weight (lbs)		
0 0 0	GM-321	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (1) station, #10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s). For use with GVP-22 and GVP-32 series solenoid valves.	N/A		0.05		
Bo and t	GM-322	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (2) sta- tions, 1/8in female NPT inlet(s), #10-32 female threaded outlet(s), 1/8in female NPT exhaust(s). For use with GVP-22 and GVP-32 series solenoid valves.	2.13 [54.0]		0.15		
Br	GM-324	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (4) sta- tions, 1/8in female NPT inlet(s), #10-32 female threaded outlet(s), 1/8in female NPT exhaust(s). For use with GVP-22 and GVP-32 series solenoid valves.	3.37 [85.7]		0.25		
	GM-321-18N	NITRA pneumatic valve manifold, anodized aluminum, rectangular, (1) station, 1/8in female NPT inlet(s), 1/8in female NPT outlet(s), vent hole exhaust(s). For use with GVP-22 and GVP-32 series solenoid valves.	N/A		0.6		

Assembly Example

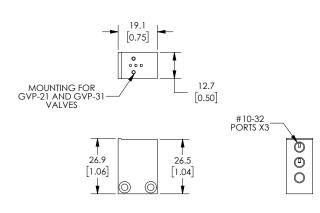




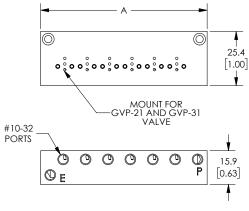


Pneumatic GVP Series Miniature NELIMATICS Solenoid Valve Manifolds

Dimensions mm [inches]

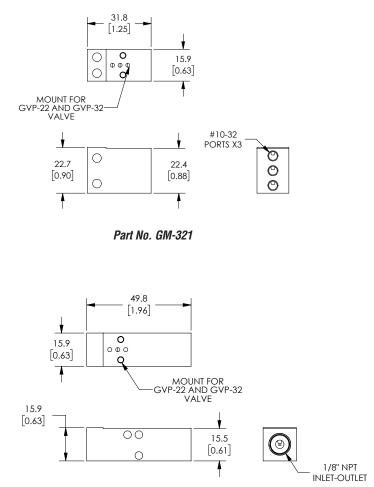


Part No. GM-311



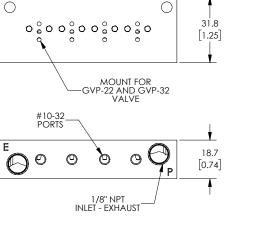
Part No. GM-312, GM-314, GM-316

A





See our website for complete Engineering drawings.



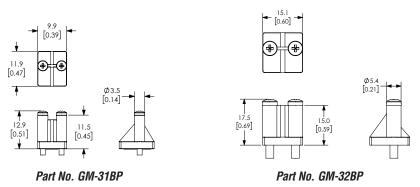
Part No. GM-322, GM-324





Nitra Pneumatic GVP Series Miniature Solenoid Valve Manifold Accessories							
Item	Part No.	Description	Price	Weight (lbs)			
	GM-31BP	NITRA blanking plate, nylon. For use with GM-31 series manifolds. Gasket and mounting screws included.		0.05			
	GM-32BP	NITRA blanking plate, nylon. For use with GM-32 series manifolds. Gasket and mounting screws included.		0.05			
	GSC-300	NITRA solenoid valve cable, miniature pin plug to pigtail, 11.8in/300mm cable length. For use with GVP series solenoid valves.		0.05			
au a	GSC-500	NITRA solenoid valve cable, miniature pin plug to pigtail, 19.6in/500mm cable length. For use with GVP series solenoid valves.		0.05			

Dimensions mm [inches]



See our website <u>for complete Engineering d</u>rawings.