



Pneumatic Manual Valves

Heavy Duty Toggle and Pushbutton Valves

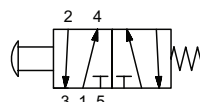
Part No. [GVS-520F-PB](#)

NITRA GVS manual valves offer a simple, convenient method for directional control and other pneumatic valve applications. All valves can be thru-panel mounted for a very clean looking operator interface.

- Single stem design
- High flow
- Made in USA

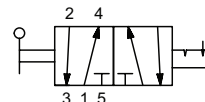


Diagram "A"



5-port, 2-position

Diagram "B"



5-port, 2-position

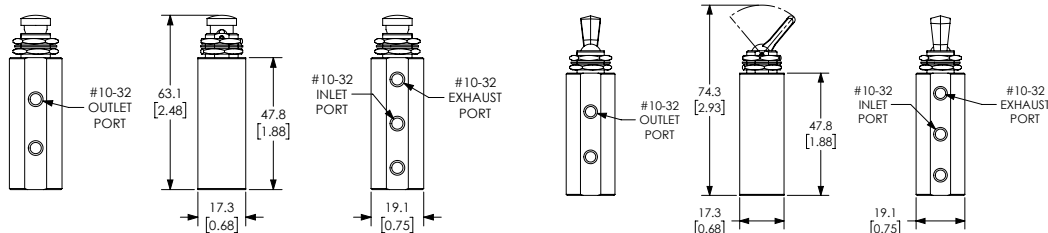
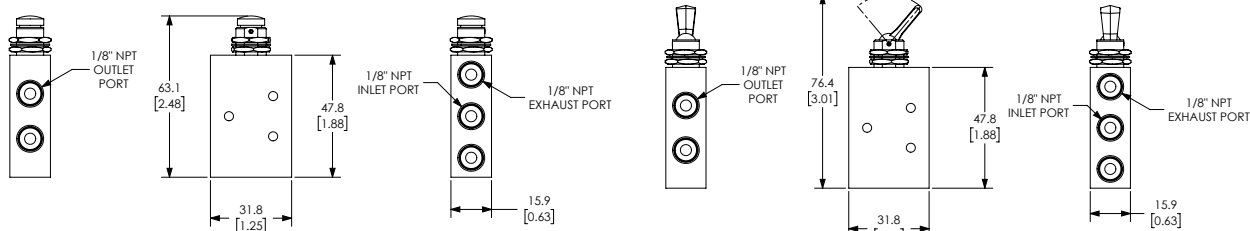
Part No. [GVS-520F-TD](#)Part No. [GVS-521F-PB](#)Part No. [GVS-521F-TD](#)

Specifications				
Models	GVS-520F-PB	GVS-520F-TD	GVS-521F-PB	GVS-521F-TD
Price	\$32.00	\$34.00	\$36.50	\$38.00
Weight (lbs)	0.1	0.1	0.1	0.15
Valve Type	5-port (4-way) 2-position			
Acting	Pushbutton, spring return, through panel mount	Toggle style actuator, detented, through panel mount	Pushbutton, spring return, through panel mount	Toggle style actuator, detented, through panel mount
Diagram	A	B	A	B
Port Size	#10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s)	#10-32 female threaded inlet(s), #10-32 female threaded outlet(s), #10-32 female threaded exhaust(s)	1/8in FNPT inlet(s), 1/8in FNPT outlet(s), 1/8in FNPT exhaust(s)	1/8in FNPT inlet(s), 1/8in FNPT outlet(s), 1/8in FNPT exhaust(s)
Flow (Cv)	0.23	0.23	0.37	0.37
Fluid	Air (to be filtered by 40μ filter element)			
Min. / Max. Pressure	0 to 125 psi (0 to 8.62 bar)			
Temperature	-20°F to 160°F (-51°C to 71°C)			
Lubrication	Not Required			
Body	Aluminum/ Anodize, Brass/ Electroless Nickel, Acetal, Stainless Steel, Nylon, Brass, Buna-N			
Protection	IP65			

Dimensions

mm [inches]

Note: For panel mounting
 • Maximum thickness 0.25"
 • Diameter Ø 0.484 thru

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See our website www.AutomationDirect.com for complete Engineering drawings.

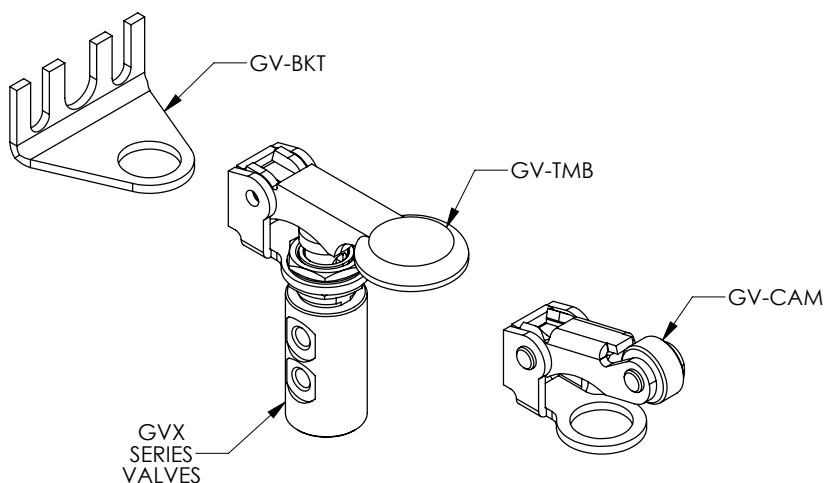


GVP and GVS Series Pneumatic Valve Accessories



Nitra Pneumatic GVP and GVS Series Pneumatic Valve Accessories				
Item	Part No.	Description	Price	Weight (lbs)
	<u>GV-BKT</u>	NITRA 90 degree mounting bracket, plated steel. For use with all GVP and GVS valves.	\$3.50	0.5
	<u>GV-CAM</u>	NITRA roller cam actuator, plated steel, for use with all GVP and GVS valves. The roller is manufactured from durable acetal plastic. All cams feature a unique acetal pad which minimizes side load and virtually eliminates wear.	\$14.50	0.5
	<u>GV-TMB</u>	NITRA thumb actuator, plated steel, for use with all GVP and GVS valves.	\$13.50	0.5

Assembly Example



See our website www.AutomationDirect.com for complete Engineering drawings.