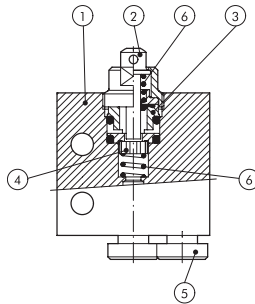




# Pneumatic Manual Valves

## Pneumatic Manual Valve Materials

1. Aluminum valve body
2. Chemically nickel-plated brass button
3. Brass distance plates
4. NBR gaskets
5. Stainless steel, brass and plastic push-to-connect cartridges
6. Stainless steel springs



## Pneumatic Metal Plunger Valves

These pneumatic valves are used with Nitra pneumatic pushbuttons and switches

### Features

- Available in normally open or normally closed
- 5/32" [4mm] push-to-connect ports located on side or end

### Valve Symbols

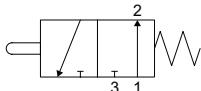


Diagram "A"

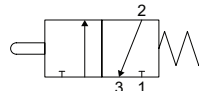


Diagram "B"



EVP-CA-PL

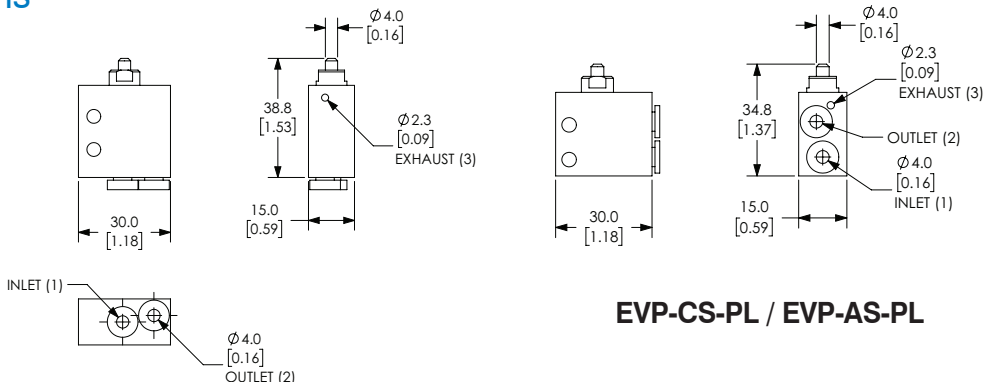


EVP-CS-PL

Specifications				
<b>Model</b>	<b>EVP-CA-PL</b>	<b>EVP-AA-PL</b>	<b>EVP-CS-PL</b>	<b>EVP-AS-PL</b>
<b>Price</b>	\$17.50	\$19.50	\$16.00	\$17.50
<b>Weight (lbs)</b>	0.1	0.1	0.1	0.1
<b>Valve Type</b>	2-port (3-way) 2-position			
<b>Acting</b>	Metal plunger, normally closed, spring return	Metal plunger, normally open, spring return	Metal plunger, normally closed, spring return	Metal plunger, normally open, spring return
<b>Diagram</b>	B	A	B	A
<b>Port Size</b>	Axial ports 5/32in (4mm)		Side ports 5/32in (4mm)	
<b>Flow (Cv)</b>	0.13	0.13	0.13	0.13
<b>Fluid</b>	Air (to be filtered by 40µ filter element)			
<b>Min. / Max. Pressure</b>	7.25 to 145 psi (0.5 to 10 bar)			
<b>Temperature</b>	14°F to 140°F (-10°C to 60°C)			
<b>Lubrication</b>	Not Required			
<b>Body</b>	Aluminum			
<b>Protection</b>	IP65			

## Dimensions

mm [inches]



EVP-CA-PL / EVP-AA-PL

EVP-CS-PL / EVP-AS-PL

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# Pneumatic Pushbuttons, 22mm

NITRA® pneumatic pushbuttons are all plastic and come with adapters to allow mounting of up to two 3-way valves, or one valve and one to three contact blocks. They fit in a standard 22.5mm hole, just like electrical pushbuttons.

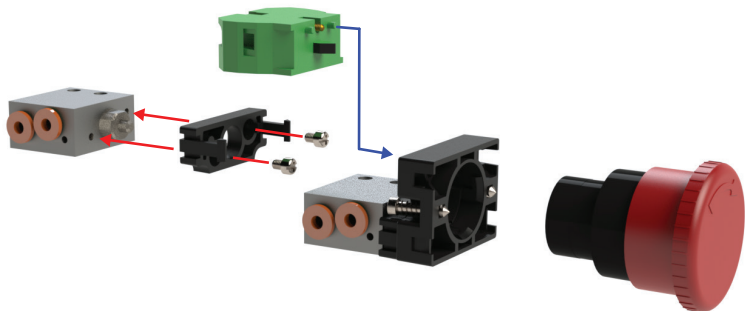
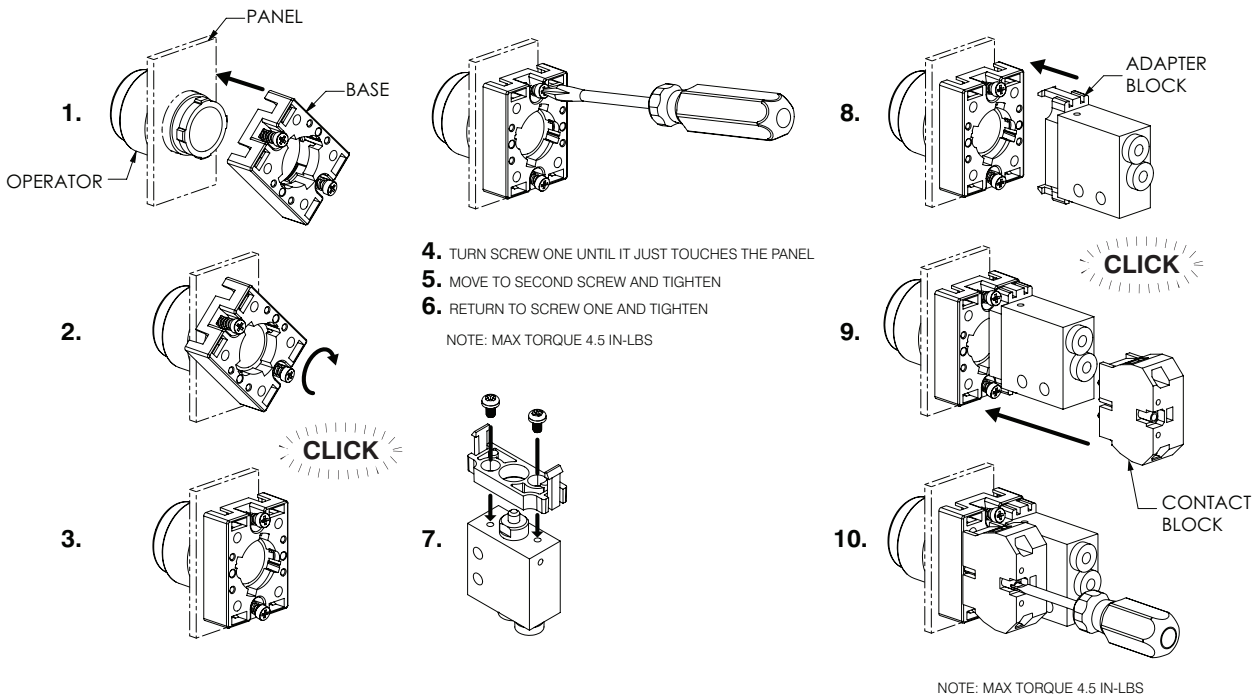
## Features

- Plastic bezel and button
- Valve adapters and mounting screws included
- Valves sold separately
- Bases will work with GCX plastic operators and **only** the three ECX Series contact blocks shown below



Pushbutton Specifications	
<b>Operating Temperature</b>	-13 to 158°F (-25 to +70°C)
<b>Storage Temperature</b>	-40 to 176°F (-40 to +80°C)
<b>Mechanical Life</b>	1,000,000 cycles
<b>Switching Cycles</b>	3600 cycles/hr
<b>Mounting (Valve)</b>	(4) M3x5 valve mounting screws included
<b>Protection</b>	IP65 after installation
<b>Approvals</b>	CE

## Adapter Block Installation



ECX1040-2



ECX1042-2



ECX1030-2