



# Bullet Valve®

Function	Flow [max]	Manifold mounting	Series
<b>2/2</b>	<b>Up to 600 NI/min</b>	<b>Cartridge</b>	<b>BV221A</b>

## OPERATIONAL BENEFITS

1. Short stroke with high shifting forces
2. Balanced poppet, immune to pressure fluctuations
3. Precise repeatability
4. Solenoid isolated from contaminated air
5. Very few parts
6. Extremely long life
7. Unique mounting - no fasteners or screws required



## How To Order

Type	2-Way (standard)	2-Way (axial flow)
<b>Cartridge</b>	BV221A-CA1-00-xxxx-xxx	BV221A-CB0-00-xxxx-xxx

## SOLENOID OPERATOR

Solenoid		Voltage	Lead wire length	Solenoid can (round)	Solenoid cover
<b>B</b> Round	<b>CA</b>	24V=/1.0W	<b>0*</b> No lead wire	<b>C</b> For Top Cover Option and Can w/ Outer Threads	<b>M12</b>
	<b>CB</b>	24V=/1.8W	<b>A</b> 45 cm		<b>JST</b>
	<b>CC</b>	24V=/2.5W	<b>B</b> 60 cm		<b>Pico</b>
	<b>CD</b>	24V=/3.0W	<b>C</b> 90 cm		<b>Flying Leads</b>
	<b>CE</b>	24V=/4.0W	<b>D</b> 120 cm		<b>BA</b> No ground wire
	<b>CF</b>	12V=/1.0W	<b>E</b> 180 cm		<b>BC</b> Blocking & suppr. diode & LED (no ground)
	<b>CG</b>	12V=/1.8W	<b>F</b> 240 cm		<b>BE</b> Blocking & suppr. diode (no ground)
	<b>CH</b>	12V=/2.5W	<b>H</b> 366 cm		<b>BG</b> LED (no ground)
	<b>CJ</b>	12V=/3.0W			<b>BJ</b> MOV (no ground)
	<b>CK</b>	12V=/4.0W			<b>BL</b> LED & MOV (no ground)
					<b>RN</b> Transfer Board
					<b>GA</b> MAC JAC Connector

Note:  
For CIRCUIT BAR ordering information please consult factory

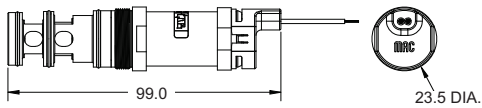
Note: Pico covers PC-PL have a 3rd Pin which is a location pin

**Technical Data**

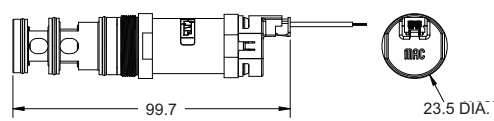
<b>Fluid:</b>	Compressed air, vacuum, inert gases
<b>Pressure range:</b>	Vacuum to 8 bar
<b>Lubrication:</b>	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
<b>Filtration:</b>	40µ
<b>Temperature range:</b>	-18°C to +50°C
<b>Flow:</b>	Up to 600 NI/min (4.0 W)
<b>Voltage range:</b>	-15% to +10% of nominal voltage

**Dimensions**

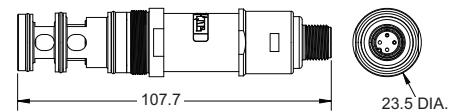
**Flying leads**



**JST Connector**



**M12**



**BV221A valves**