

Function	Flow [max]	Manifold mounting	Series
<b>3/2 NC, Universal</b>	<b>Up to 0.06 Cv</b>	<b>Cartridge</b>	<b>BV309A</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 VALVE

Type	3 Way N.C.	3 Way Universal
<b>Cartridge</b>	<b>BV309A-CC1-00-xxxx-xxx</b>	<b>BV309A-CD1-00-xxxx-xxx</b>

### SOLENOID OPERATOR

**X XX X - X XX**

Solenoid	Voltage	Lead wire length	Solenoid can (round)	Solenoid cover
<b>B</b> Round	<b>GA</b> 24VDC (1.0W) <b>GB</b> 24VDC (1.8W) <b>GC</b> 24VDC (2.5W) <b>GD</b> 24VDC (3.0W) <b>GE</b> 24VDC (4.0W) <b>GF</b> 12VDC (1.0W) <b>GG</b> 12VDC (1.8W) <b>GH</b> 12VDC (2.5W) <b>GJ</b> 12VDC (3.0W) <b>GK</b> 12VDC (4.0W)	† <b>0</b> No lead wire <b>A</b> 18" <b>B</b> 24" <b>C</b> 36" <b>D</b> 48" <b>E</b> 72" <b>F</b> 96" <b>H</b> 144"	<b>C</b> For Top Cover Option and Can w/ Outer Threads	<b>JST Connector</b> <b>Flying Leads</b> <b>TA</b> No ground wire <b>TC</b> Blocking & suppr. diode & LED (no ground) <b>TE</b> Blocking & suppr. diode (no ground) <b>TG</b> LED (no ground) <b>TJ</b> MOV (no ground) <b>TL</b> LED & MOV (no ground)
		† Not available for flying leads cover		<b>BA</b> <b>BC</b> <b>BE</b> <b>BG</b> <b>BJ</b> <b>BL</b>

\* High wattage - high speed options - consult factory  
\*\* ERC wattage reduction options - consult factory

### CIRCUIT BAR

Port size	Spacing (mm)	Side cylinder port
<b># 10-32 UNF</b>	11	<b>CCMV09A-00ABA-xx</b>
<b>M5</b>	11	<b>CCMV09A-00ABB-xx</b>
<b>M7</b>	11	<b>CCMV09A-00ABC-xx</b>

**xx** = Number of stations

Note: for valves mounted to bar at factory, add -9 to model numbers.

\* High wattage configurations require intermittent duty cycles.

\*\* ERC - Energy Reduction Circuitry - Reduces the effective wattage at continuous duty.

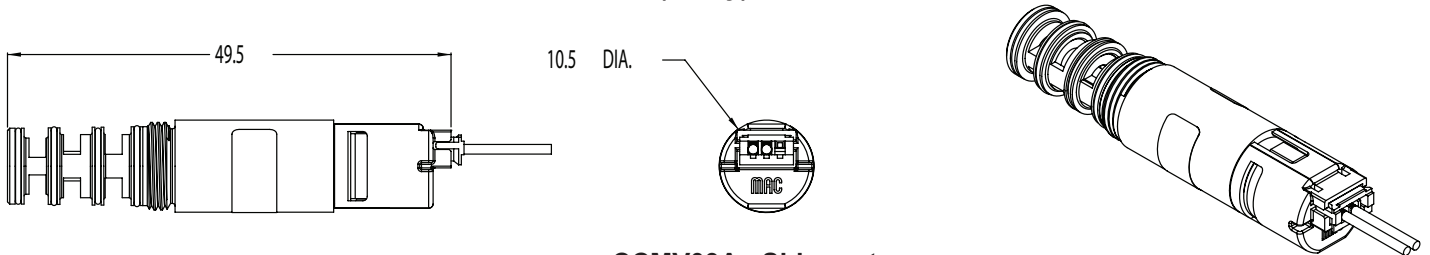
## Technical Data

<b>Fluid:</b>	Compressed air, vacuum, inert gases
<b>Pressure range:</b>	Vacuum to 120 PSI
<b>Lubrication:</b>	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
<b>Filtration:</b>	40μ
<b>Temperature range:</b>	0°F to 120°F (-18°C to +50°C)
<b>Flow (at 6 bar ΔP=1bar):</b>	Up to 0.06 Cv
<b>Voltage range:</b>	-15% to +10% of nominal voltage

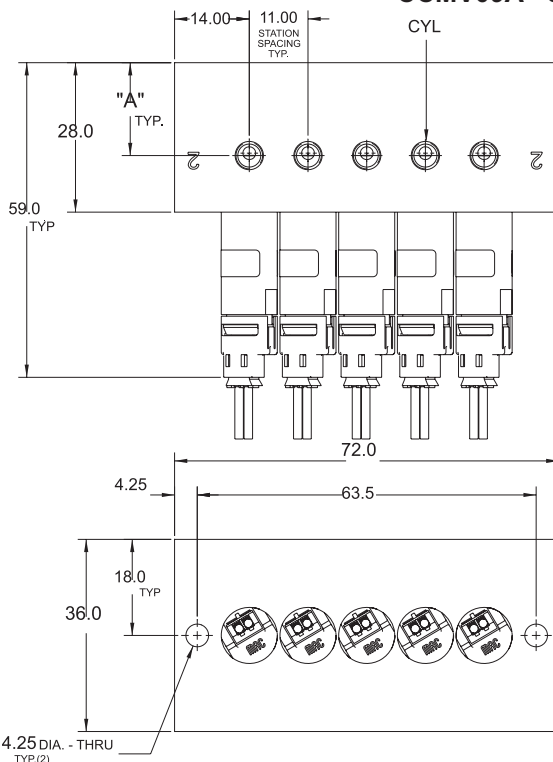
**Tools:** Manifold cavity step reamer: T-6962 • Insertion/removal socket: AT-1180 (Bit) AT-1185 (Bit Holder) AT-1184 (Handle)

## Dimensions

### Bullet Valve with "JST" Cover and Circuit Board for LED., MOV., & Diode Options BV309A (3-way) - Standard Watt



### CCMV09A - Side ports



### BV309A SIDE PORTS

CYL	DIMENSION "A"
#10-32	17.4
M5 X 0.8	17.4
M7 X 1.0	18.9

"P" INDICATES B.S.P.PL.  
"T" INDICATES B.S.P.TR.

