



# MAC Diaphragm Bullet Valve for Medical Applications



## FLUIDS

Able to manage different fluids  
High precision of dosing  
Excellent repeatability of dosing



AIR

Low leak (< 1 cc/min)  
Lower wattage  
Higher flow  
Balanced diaphragm

## OPERATIONAL BENEFITS

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



MAC Valves - Highly engineered solutions for the highest performing applications since 1948



MAC Valves Inc, Wixom, Michigan - MAC Valves Inc, Dundee, Michigan  
MAC Valves Europe Inc, Liège, Belgium - MAC Valves Asia Inc, Taiwan

To find your *local* distributor, visit [www.macvalves.com](http://www.macvalves.com)





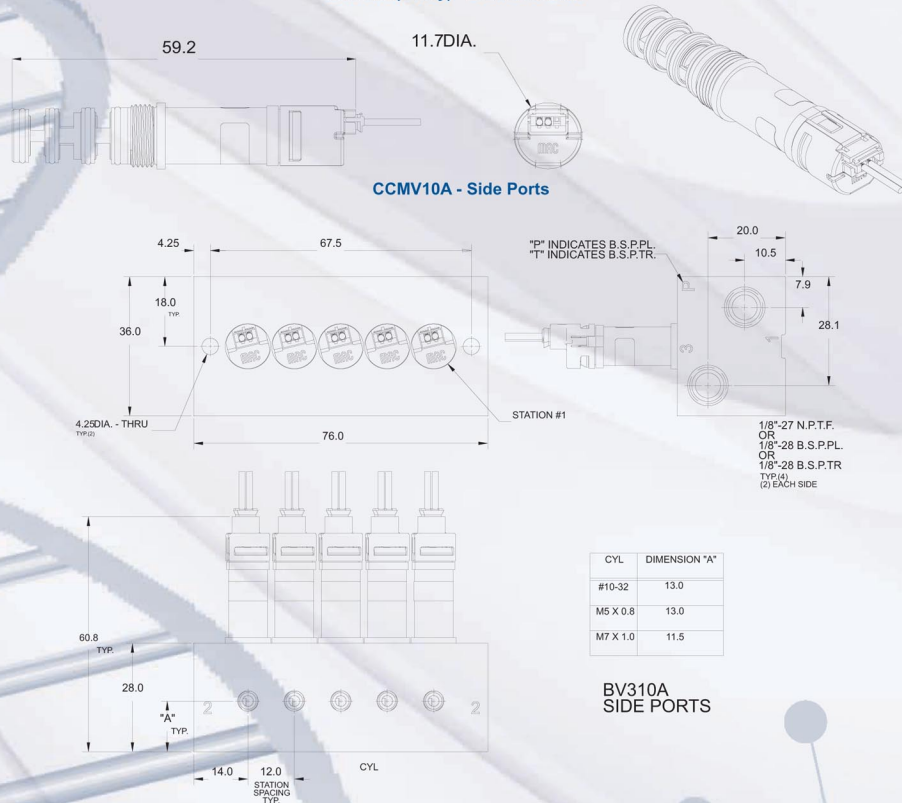
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## TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 8 bar / 0 to 120 PSI
Lubrication:	Not required if used select a medium aniline point lubricant (between 80°C and 100°C / 180°F and 210°F)
Filtration:	40 microns
Flow (at 6 bar, $\Delta P=1\text{bar}$ ):	Up to 90 NI/min - 0.9 Cv
Voltage range:	-15% to +10% of nominal voltage

## DIMENSIONS

Bullet Valve with "JST" Cover and Circuit Board for LED., MOV., & Diode Options  
BV310A (3-way) - Standard Watt



CYL	DIMENSION "A"
#10-32	13.0
M5 X 0.8	13.0
M7 X 1.0	11.5

BV310A  
SIDE PORTS

## MAC SOLUTION - HOW TO ORDER

According to your application requirements, your distributor will help you codifying the appropriate valve to meet your needs. Very high flexibility in manifold footprint.



3500 factory certified specialists in over 45 countries focused on optimizing customers needs

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