

Function	Flow [max]	Manifold mounting	Series
2/2	Up to 0.07 Cv	Cartridge	BV209A

## 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

### HOW TO ORDER VALVE

Type	2 Way
	
Cartridge	BV209A-CA1-00- <b>xxxx-xxx</b>

### SOLENOID OPERATOR

X X X X - X X X				
Solenoid	Voltage	Lead wire length	Solenoid can (round)	Solenoid cover
B Round	GC 24VDC (2.5W) GE 24VDC (4.0W) GH 12VDC (2.5W) GK 12VDC (4.0W)	0 No lead wire A 18" B 24" C 36" D 48" E 72" F 96" H 144"	C For Top Cover Option and Can w/ Outer Threads	<b>JST Connector</b> <b>Flying Leads</b> TA No ground wire   BA TC Blocking & suppr.   BC diode & LED (no ground) TE Blocking & suppr.   BE diode (no ground) TG LED (no ground)   BG TJ MOV (no ground)   BJ TL LED & MOV   BL (no ground)

\* High wattage - high speed options - consult factory

\*\* ERC wattage reduction options - consult factory

\* M8 (pico) connector - Consult factory

### HOW TO ORDER CIRCUIT BAR

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

**xx** = Number of stations

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

\* High wattage configurations require intermittent duty cycles.

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

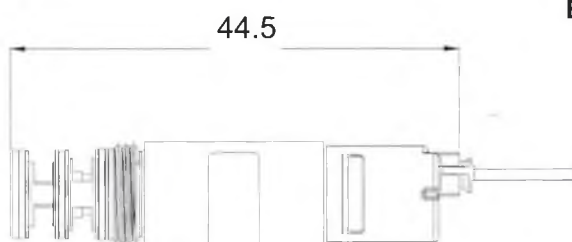
## TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 120 PSI
Lubrication:	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration:	40μ
Flow (at 6 bar ΔP=1bar):	Up to 0.07 Cv
Voltage range:	-15% to +10% of nominal voltage

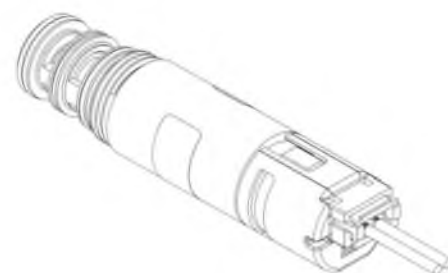
Tools: • Manifold cavity step reamer: T-6961 • Insertion/removal socket: AT-1180

## DIMENSIONS

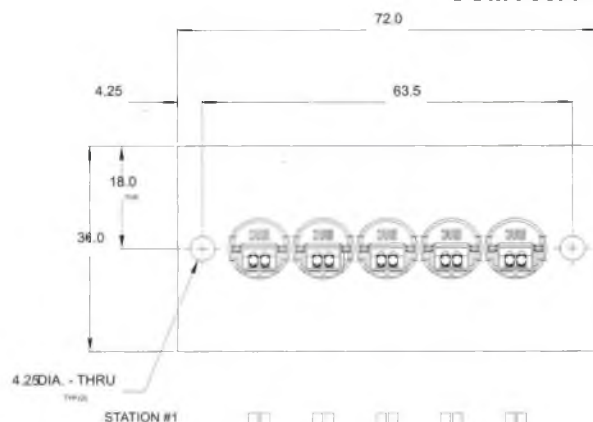
**Bullet Valve with "JST" Cover and Circuit Board for LED., MOV., & Diode Options  
BV209A (2-way) - Standard Watt**



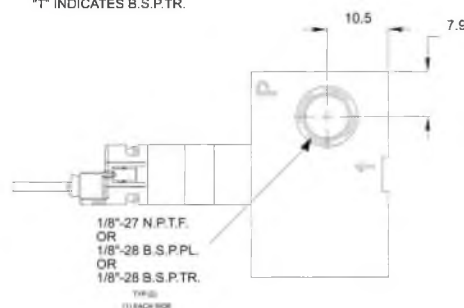
10.5DIA.



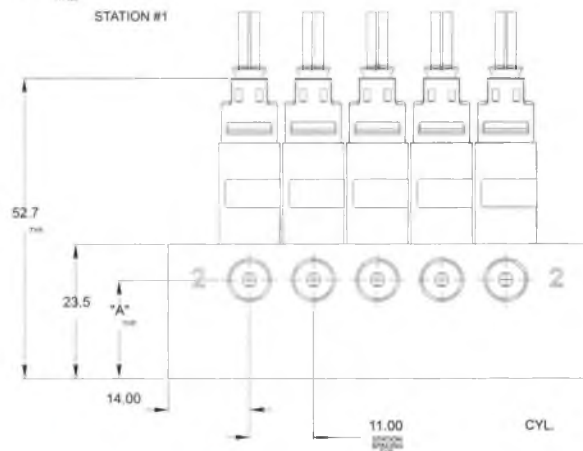
**CCMV09A - Side ports**



"P" INDICATES B.S.P.P.L.  
"T" INDICATES B.S.P.T.R.



**BV209A  
SIDE PORTS**



CYL	DIMENSION "A"
#10-32	17.20
M5x0.8	17.20
M7x1.0	17.20