



Bullet Valve®

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

VALVE	Type	2 Way	
	Cartridge (Standard)	BV209A-CA1-00-xxxx-xxx	
	Cartridge (Axial Flow)	BV209A-CB0-00-xxxx-xxx	

SOLENOID OPERATOR

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	JST Connector TA No ground wire TC Blocking & suppr. diode & LED (no ground) TE Blocking & suppr. diode (no ground) TG LED (no ground) TJ MOV (no ground) TL LED & MOV (no ground)	Flying Leads BA BC BE BG BJ BL

XXXX - XXX

† Not available for flying leads cover

*High wattage - high speed options - consult factory
High wattage configurations require intermittent duty cycles.

** ERC - Energy Reduction Circuitry - Reduces the effective wattage at continuous duty
ERC wattage reduction options - consult factory

CIRCUIT BAR

Bullet valve type	Cyl. port size	Spacing (mm)	Side cylinder port	Bottom cylinder port
Standard	#10-32 UNF	11	CCMV09A-00AAA-xx	CCMV09A-00BAA-xx
	M5	11	CCMV09A-00AAB-xx	CCMV09A-00BAB-xx
	M7	11	CCMV09A-00AAC-xx	CCMV09A-00BAC-xx
Axial flow	#10-32 UNF	11	-	CCMV09A-00BDA-xx
	M5	11	-	CCMV09A-00BDB-xx
	M7	11	-	CCMV09A-00BDC-xx

xx = Number of stations

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

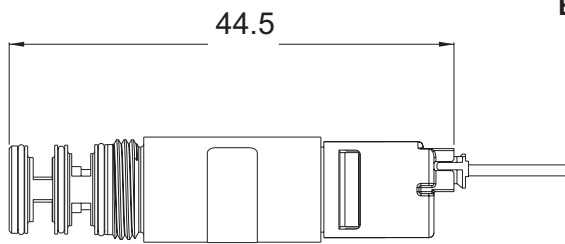
Technical Data

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
Temperature range:	0°F to 120°F (-18°C to +50°C)
Flow (at 6 bar ΔP=1bar):	Up to 0.07 Cv
Voltage range:	-15% to +10% of nominal voltage

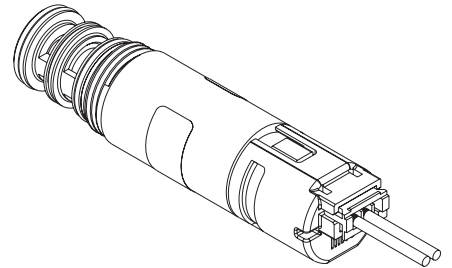
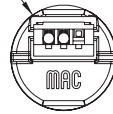
Tools: Manifold cavity step reamer: T-6961 • Insertion/removal socket: AT-1180 (Bit) AT-1185 (Bit Holder) AT-1184 (Handle)

Dimensions

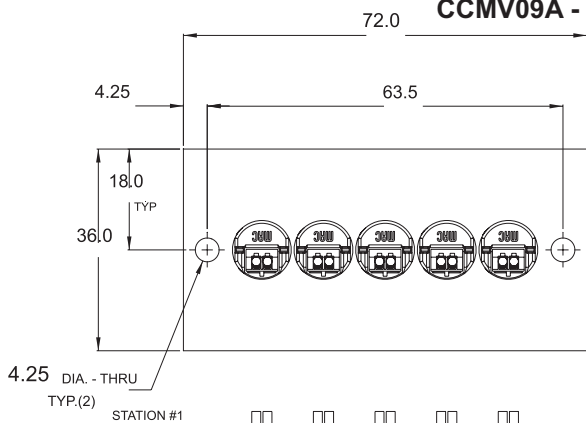
Bullet Valve with "JST" Cover and Circuit Board for LED., MOV., & Diode Options BV209A (2-way) - Standard Watt



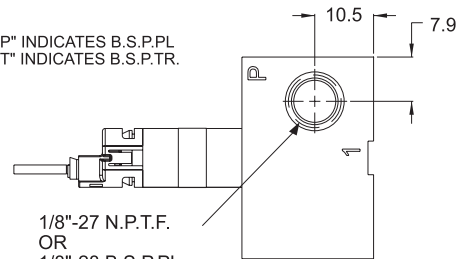
10.5DIA.



CCMV09A - Side ports



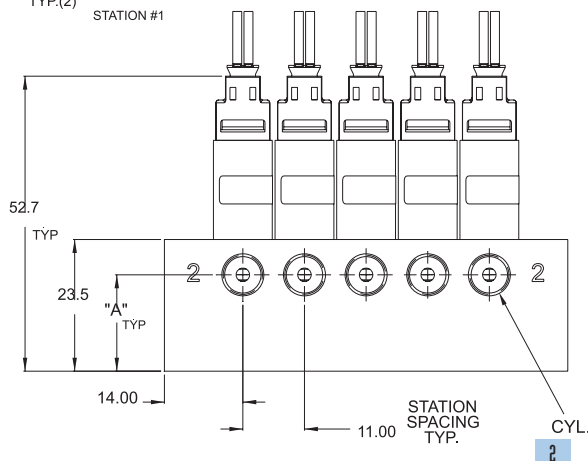
"P" INDICATES B.S.P.PL
"T" INDICATES B.S.P.TR.



1/8"-27 N.P.T.F.
OR
1/8"-28 B.S.P.PL.
OR
1/8"-28 B.S.P.TR.

TYP.(2)
(1) EACH SIDE

BV209A SIDE PORTS



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