



Bullet Valve®

Function	Flow [max]	Manifold mounting	Series
3/2	Up to 600 NI/min	Cartridge	BV321A

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 valve
Cartridge	BV321A-CC1-00-xxxx-xxx	BV321A-CD1-00-xxxx-xxx

SOLENOID OPERATOR

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

*Not available for flying leads cover
Only option for Pico and M12 cover

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

CIRCUIT BAR

Cyl. port size	Spacing (mm)	Side cylinder port	Bottom cylinder port
1/8"	25	CCMV21A-00ABD-xx	CCMV21A-00BBD-xx
1/4"	25	CCMV21A-00ABE-xx	CCMV21A-00BBE-xx

xx = Number of stations

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

Note: Common inlet & exhaust are 3/8" NPTF
For BSPPL or BSPTR threads consult factory

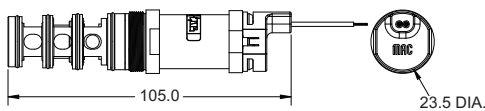
Technical Data

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

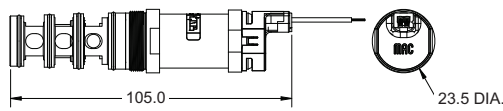
Tools: Manifold cavity step reamer: T-7573 • Insertion/removal socket: AT-1365 (Bit)

Dimensions

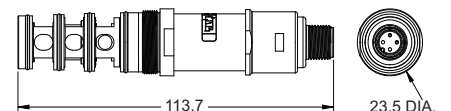
Flying leads



JST Connector



M12



CCMV21A bar with BV321A valves

