mac

BV Series

Function	Flow [max]	Manifold mounting	Series
2/2	Up to 0.08 Cv	Cartridge	BV210A

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	BV210A-CA1-00-*xxxx-xxx*

SOLENOID OPERATOR

X XX X - X XX

Solenoid	Voltage	Lead wire length	Solenoid can (round)	Solenoid cover	
B Round	EH 24VDC (2.5W)	0 No lead wire	C For Top Cover	**JST Connector**	**Flying Leads**
	EG 24VDC (4.0W)	A 18"	Option and Can w/	TA No ground wire	BA
	EK 12VDC (2.5W)	B 24"	Outer Threads	TC Blocking & suppr.	BC
	EJ 12VDC (4.0W)	C 36"		diode & LED	
		D 48"		(no ground)	
		E 72"		TE Blocking & suppr.	BE
		F 96"		diode (no ground)	
		H 144"		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

HOW TO ORDER CIRCUIT BAR

Port size	Spacing (mm)	Side cylinder port
# 10-32 UNF	12	CCMV10A-00AAA-*xx*
M5	12	CCMV10A-00AAB-*xx*
M7	12	CCMV10A-00AAC-*xx*

xx = Number of stations

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

* High wattage configurations require intermittent duty cycles.
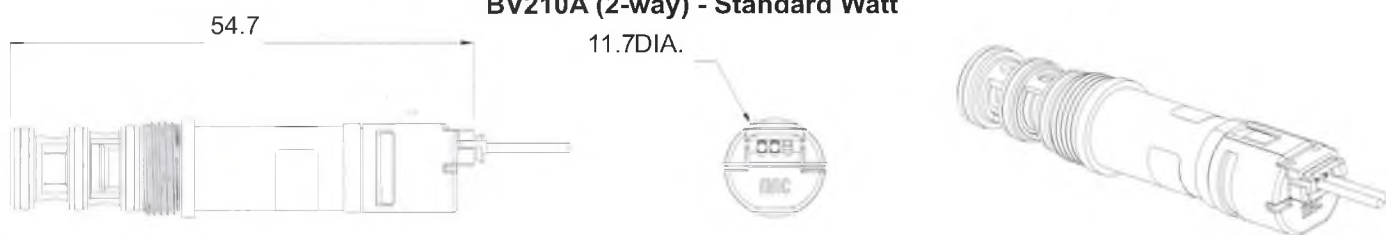** ERC - Energy Reduction Circuitry - Reduces the effective wattage at continuous duty

BV Series

TECHNICAL DATA

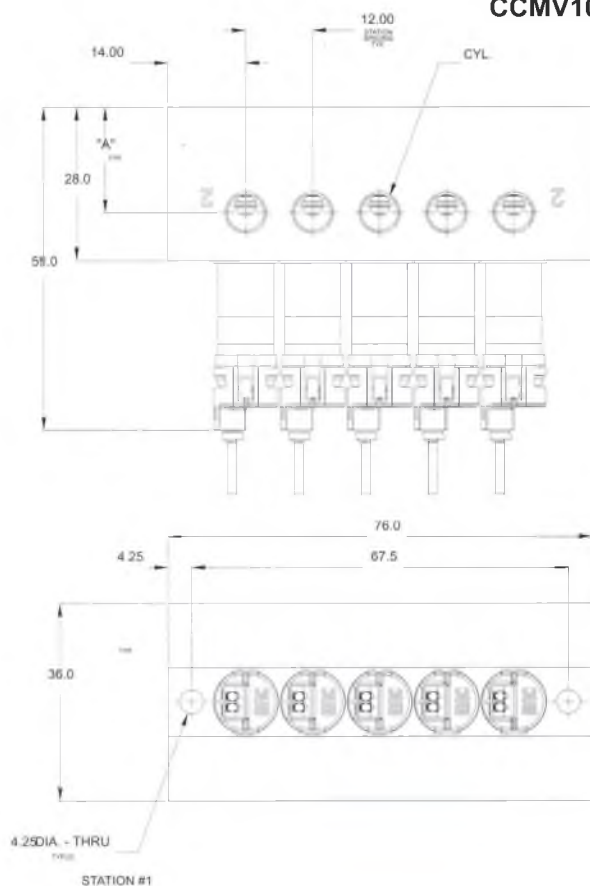| Fluid:	Compressed air, vacuum, inert gases
Pressure range:	Vacuum to 120 PSI
Lubrication:	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration:	40µ
Flow (at 6 bar ΔP=1bar):	Up to 0.08 Cv
Voltage range:	-15% to +10% of nominal voltage

Tools: • Manifold cavity step reamer: T-6960   • Insertion/removal socket: AT-1181

DIMENSIONS

Bullet Valve with "JST" Cover and Circuit Board for LED., MOV., & Diode Options
BV210A (2-way) - Standard Watt

54.7   11.7DIA.

CCMV10A - Side Ports

BV210A
SIDE PORTS

CYL.	DIMENSION "A"
#10-32	17.90
M5x0.8	17.90
M7x1.0	19.25

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

27.00
20.0
10.5
7.9
28.1

1/8"-27 N.P.T.F.
OR
1/8"-28 B.S.P.PL.
OR
1/8"-28 B.S.P.TR.
THR(4)
@ EACH SIDE

STATION #1

4.25DIA. - THRU