



Bullet Valve®

Function	Flow [max]	Manifold mounting	Series
3/2 NC, Universal	Up to 0.09 Cv	Cartridge	BV310A

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
	Cartridge (Standard)	BV310A-CC1-00- xxxx-xxx	BV310A-CD1-00- xxxx-xxx

SOLENOID OPERATOR

XXX - XXX

Solenoid	Voltage	Lead wire length	Solenoid can (round)	Solenoid cover
B Round	HA 24VDC (1.0W) HF 12VDC (1.0W) HB 24VDC (1.8W) HG 12VDC (1.8W) HC 24VDC (2.5W) HH 12VDC (2.5W) HD 24VDC (3.0W) HJ 12VDC (3.0W) HE 24VDC (4.0W) HK 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 Pico Flying Leads TA BA No ground wire TC PC BC Blocking & suppr. diode & LED(no ground) TE PE BE Blocking & suppr. diode (no ground) TG PG BG LED (no ground) TJ PJ BJ MOV (no ground) TL PL BL LED & MOV (no ground) PN Transfer Board

* High wattage - high speed options - consult factory
 ** ERC wattage reduction options - consult factory
[†] Not available for flying leads cover
 Only option for Pico cover

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

CIRCUIT BAR

Port size	Spacing (mm)	Side cylinder port
# 10-32 UNF	12	CCMV10A-00ABA- xx
M5	12	CCMV10A-00ABB- xx
M7	12	CCMV10A-00ABC- xx

xx = Number of stations

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

* High wattage configurations require intermittent duty cycles.

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

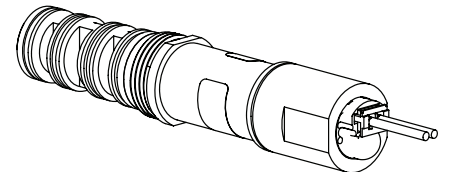
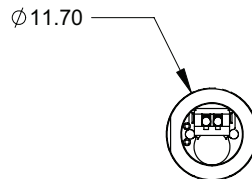
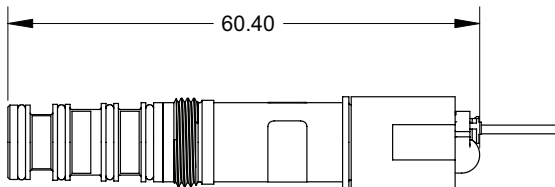
Technical Data

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
Temperature range:	0°F to 120°F (-18°C to +50°C)
Flow (at 6 bar ΔP=1bar):	Up to 0.09 Cv
Voltage range:	-15% to +10% of nominal voltage

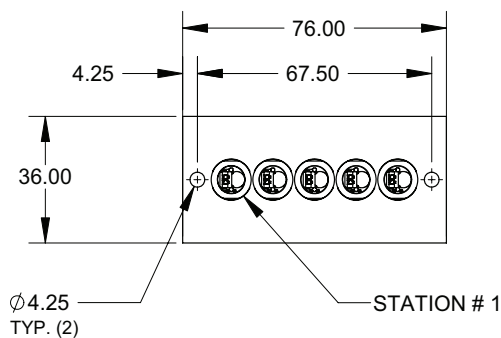
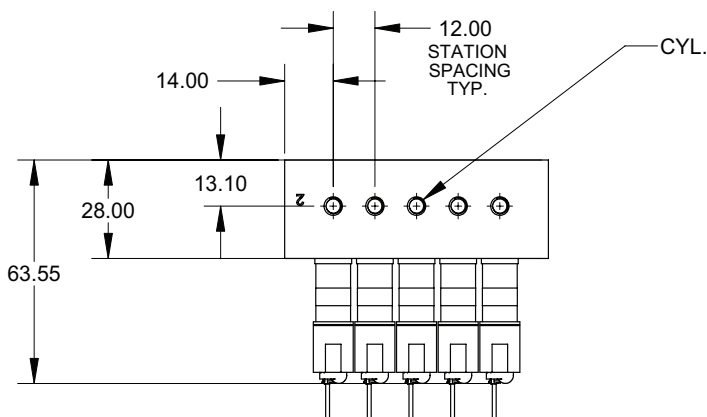
Tools: Manifold cavity step reamer: T-6963 • Insertion/removal socket: AT-1181 (Bit) AT-1185 (Bit Holder) AT-1184 (Handle)

Dimensions

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

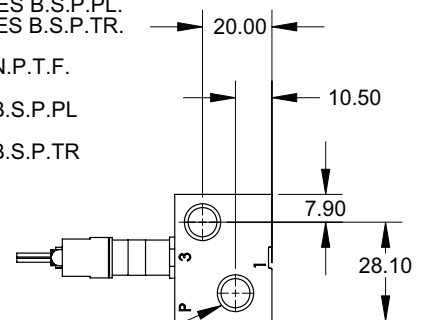


CCMV10A - SIDE PORTS



"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

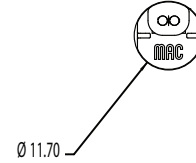
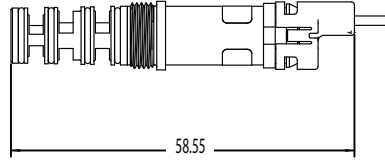


8.33 DIA. DRILL - 10.0 DEEP
120° C'SINK TO 10.5 DIA.
1/8"-27 N.P.T.F. TAP TO GAGE
TYP. (4)
(2) EACH END

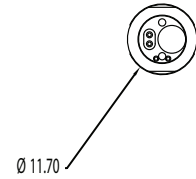
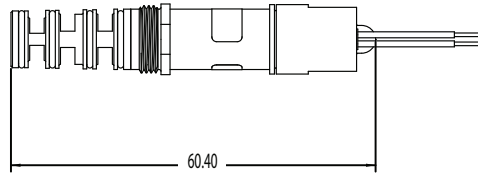
Connector Options

BV310

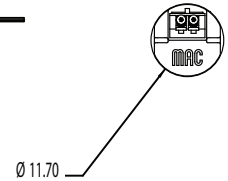
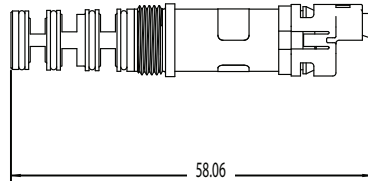
Flying Leads (BA)



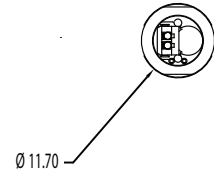
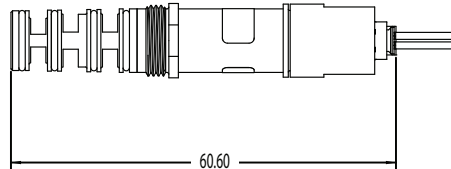
Flying Leads w/ LED (BC, BG, BL)



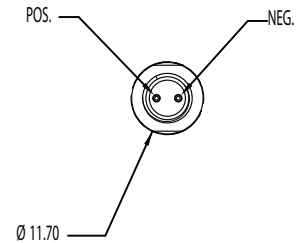
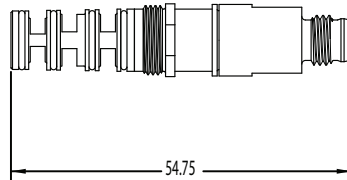
JST Connector (TA)



JST Connector w/ LED (TG, TL)



2 Pin PICO (PN)



3 Pin PICO (PC, PE, PG, PJ, PL)

