

Cv = 1.3

Series 2L Pneumatically Operated Amplifier Valve

Cv = .13

Mod. 2LA-AM (Amplifier Valve)
3-way/2-position
Ports 1/8" BSPP
*(Will accept Pro-Fit® fittings)

The pneumatically operated amplifier valve is a 3-way/2-position normally closed valve, changing low pressure signals into 2 - 8 bar pressure signals.
The valve construction allows permanent reduced air consumption at rest.

Pilot pressure applied at Port 12 actuates valve and allows pressure (2 - 8 bar) to flow from inlet P to outlet A). 1 → 2. A constant "leak," or air consumption, occurs while unit is at rest from inlet 1 to atmosphere.



TECHNICAL SPECIFICATIONS

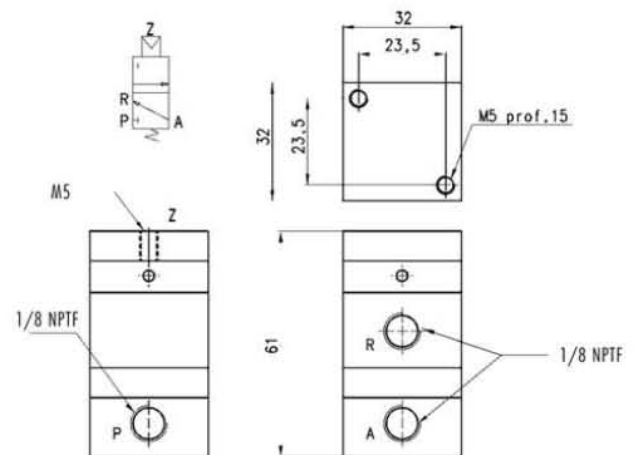
Construction	Poppet type
Valve group	3-way/2-position normally closed
Materials	Aluminum body, Buna-N seals
Mouniting	By M5 (10-32 UNF) screws
Ports	1/8" BSP (accepts 1/8" Pro-Fit NPTF)
Installation	In any position
Temperature	32° - 175° F (Dry air required down to -4° F)

PNEUMATIC DATA

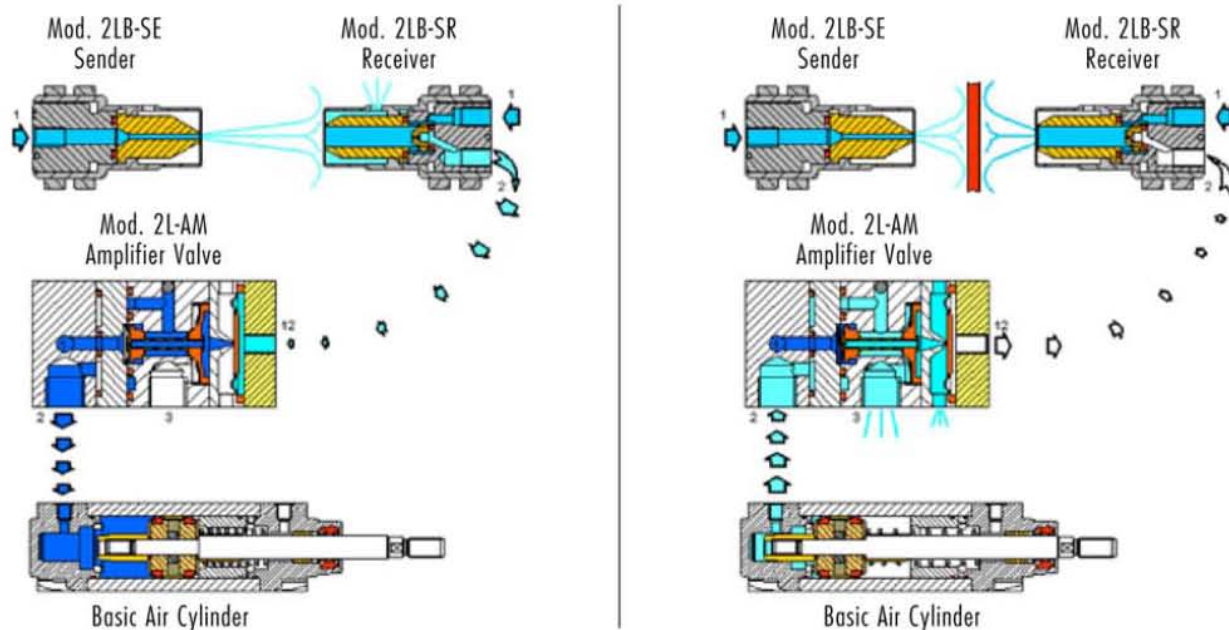
Output pressure	Min. 2 - max. 8 bar (29-116 PSI)
Minimum signal input pressure	0.03 bar (.435 psi)
Maximum signal input pressure	0.6 bar (8.7psi)
Constant air consumption	at rest (6 bar)
	3.3 NL/min (.116 SCFM) via port 1 to atmosphere without signal present at 12
Nominal flow	120 NL/min (4.23 SCFM) P → A (1 → 2) Cv = 0.13 (when actuated)
Fluid	Filtered, not lubricated air

VALVE MOD. 2LA-AM

Cv = .13



Basic Assembly/Circuit Guide



The air signal from the receiver element (2LB-SR) will typically become the input pilot signal to the amplifier valve (2LA-AM). Receiver element (2LB-SR) will typically connect its port 2 (or "A"), to the amplifier valve pilot port 12.

Pilot pressure applied at Port 12 actuates valve and allows pressure (2 - 8 bar) to flow from inlet P to outlet A).
1 → 2. A constant "leak," or air consumption, occurs while unit is at rest from inlet 1 to atmosphere.