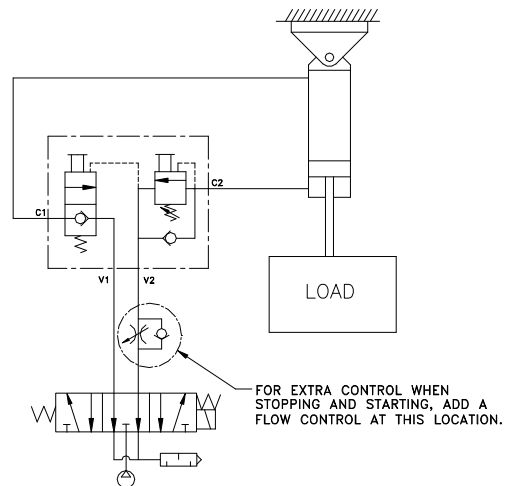
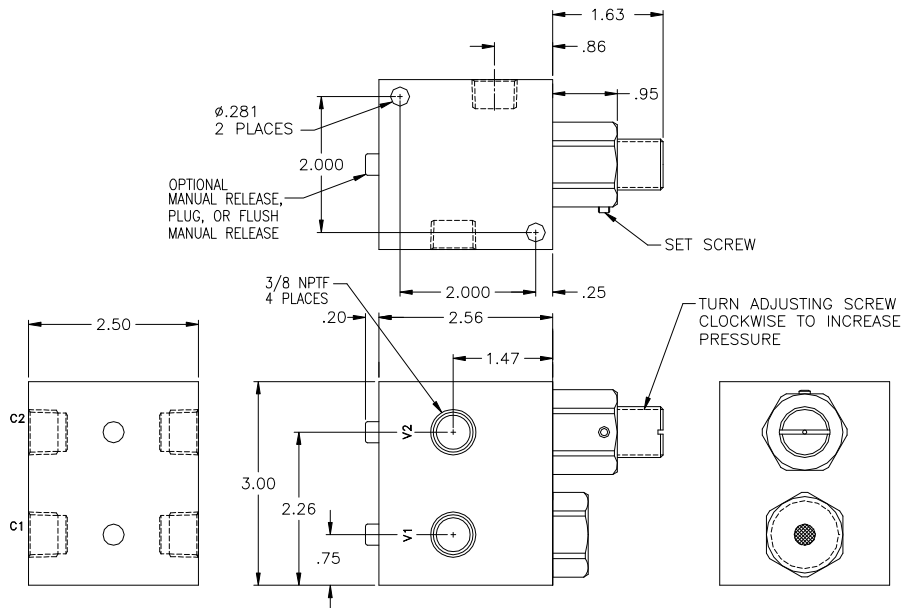
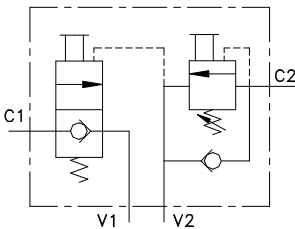


- **Dual Manual Release**
- **.0000522 cc/min Leak Rate**
- **Applies Constant Back Pressure to One Side of the Cylinder.**
- **Prevents Runaway Condition**

Patent Applied For

Basic Operation:

This valve is used to reduce jerky motion in pneumatic systems. Back pressure is constantly applied to the air cylinder piston in order to prevent a runaway condition, where the cylinder will take off quickly and then stop when the back pressure builds up enough pressure to stop cylinder movement.



Operating Data:

Max. Pressure:	150 psi
Min. Pressure:	40 psi
Counterbalance:	The counterbalance should be on the load side where gravity is adding to the pressure.
Temp. Range:	-20 to 150 F
Cycle Rate:	1 cyc./sec. max.
Flow Capacity (Cv):	3.8
Cracking Pressure:	1-2 psi (floating check)
Service:	Properly filtered dry air or lubricated air.

Ordinary dual locking or dual check valves will fully open when changing direction, causing the load to take off in a runaway condition, until back pressure increases enough to stop the motion. The new NGT valve supplies a continuous back pressure, in order to keep the load from falling or prevent the load from suddenly accelerating. Constant back pressure will also help reduce load bounce but will not fully eliminate bounce, because of the compressibility of air. **Heavy loads will tend to drift a small amount before stopping because of momentum. In heavy loading conditions, momentum causes the back pressure to delay closing the valve resulting in a slight drift before stopping.**

Model No.	3/8 NPTF
Flush Manual Release	D6CFMC
Manual Release	D6C0MC