



# V382 Installation and Maintenance

MASTER PNEUMATIC - DETROIT, INC.

6701 -18 Mile Rd. | Sterling Heights, MI 48314 | Phone: (586) 254-1000 | Fax: (586) 254-6055 | Email: [mp@masterpneumatic.com](mailto:mp@masterpneumatic.com)

## PRODUCT NUMBERS:

V382-3N6A\*  
V382-4N6A\*  
V382-6N6A\*

## THANK YOU!

You have just purchased a quality Lockout Valve from Master Pneumatic.

With care in its installation and maintenance, you can expect it to have a long and economical service life. Before you go any further, please take a few minutes to look over this information, then save it for future reference and for the useful service information it contains.

## Installation & Operation Procedures

**NOTE:** Read Warning Stuffer STU-A019 included in box with product before proceeding.

### INSTALLATION:

1. Depressurize and lockout air pressure.
2. Upstream pipes must be free of excessive dirt and liquids.
3. Install the Lockout Valve so that air flows in the direction of the arrows located on both ends of the slide.
4. It is recommended to install the Lockout Valve downstream of the FRL. This is to prevent the liquids from the downstream Filters and Lubricators from getting sucked out during the very fast exhausting cycle. To service the FRL install a standard V380 upstream of FRL for FRL maintenance, as detailed on page 3.
5. If a Regulator or Combination Filter/Regulator must be placed downstream of the V382 Lockout then it must be a Quick Exhaust (Reverse Flow). The Quick exhaust will ensure that the regulator will not trap downstream air when the Lockout valve is actuated, as detailed on page 4.
6. Other air devices not manufactured by Master Pneumatic can trap air. It is up to the user to ensure that the devices do not cause a hazard when the air supply is exhausted and locked out .
7. The valve can only be locked in the closed position. A customer supplied padlock with a shank diameter less than 0.260" may be installed. The lock is to be placed into hole marked with the lock symbol. **Do Not Insert** any other object, wire, or tool into any of the slides air passages. Do not hit with Hammer, Wrenches or any other objects.
8. When installing two M/P products using the A115-105 connecting clamp or A118-05M Clamp and bracket, torque screws 30-40 in-lbs.

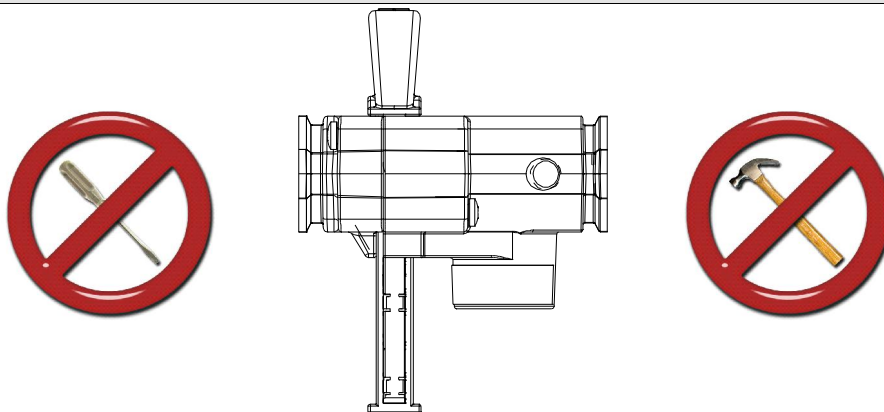
### OPERATION:

1. *Valve in the closed position* [(G) **See** dimensional specification section for position] Inlet pressure is blocked, downstream air is exhausted to atmosphere.
2. *Valve in the open position* [(F) **See** dimensional specification section for position] Full air pressure applied to downstream line. Valve is operated with a push-pull sequence.

### TO CLEAN OR REPAIR:

1. The slide may be lubricated on both sides for ease of movement. Apply grease on both sides of slide and manually move the slide up and down to lubricate internal parts. Use Magnalube G or Lithium Grease.

## Do Not Hit with Objects or Insert Objects into the Air Passages



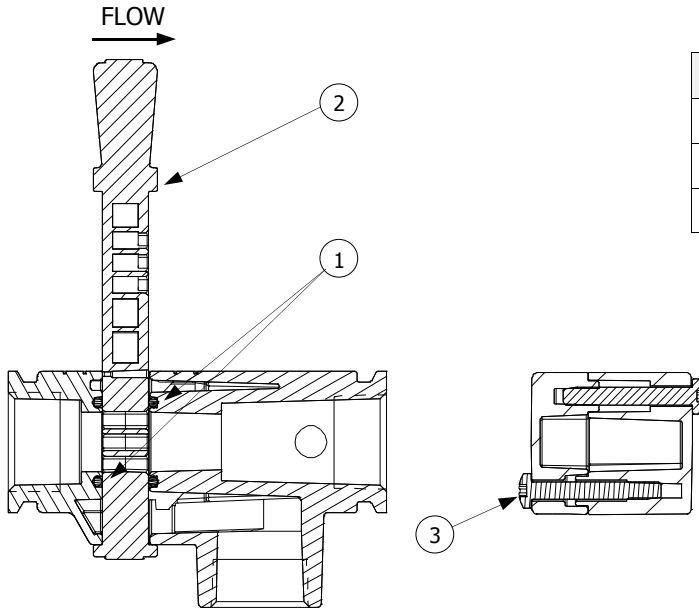


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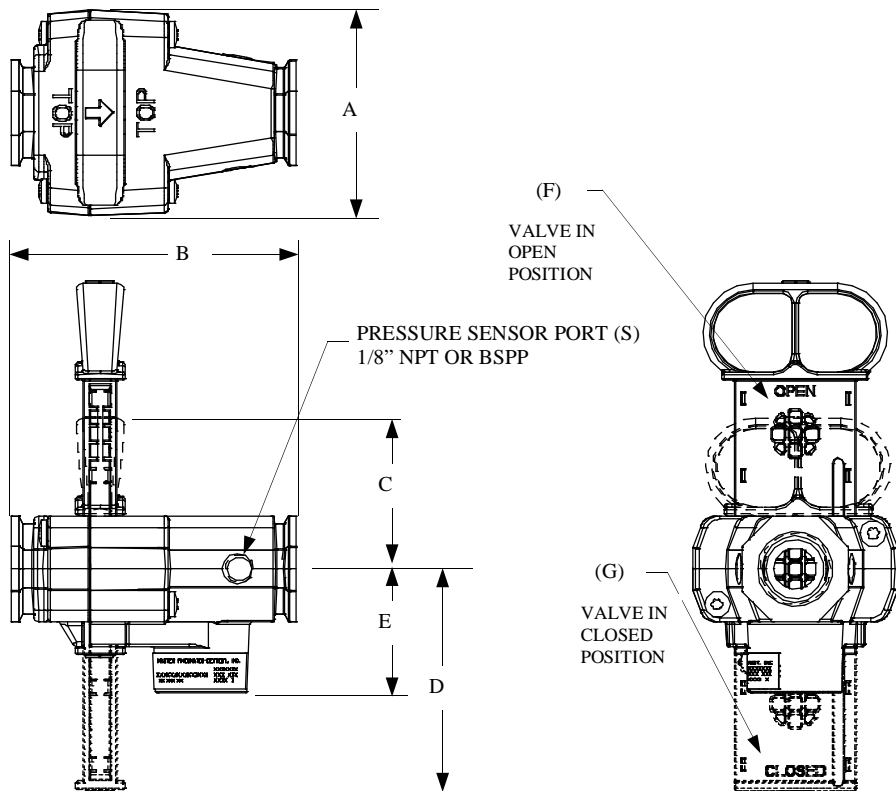
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## Parts Listing



KEY	DESCRIPTION	V382-3,4,6
1	O-ring (Qty 2)	118-115
2	Slide Assembly	A118-120M
3	Screw (Qty 4)	118-121

## Dimensional Specifications



KEY	V383-3,4,6
A	2.90 (73.7 mm)
B	4.01 (101.9 mm)
C CLOSED	2.15 (54.6 mm)
D CLOSED	3.14 (79.8 mm)
C OPEN	4.05 (102.9 mm)
D OPEN	1.24 (31.5 mm)
E	1.75 (44.5 mm)

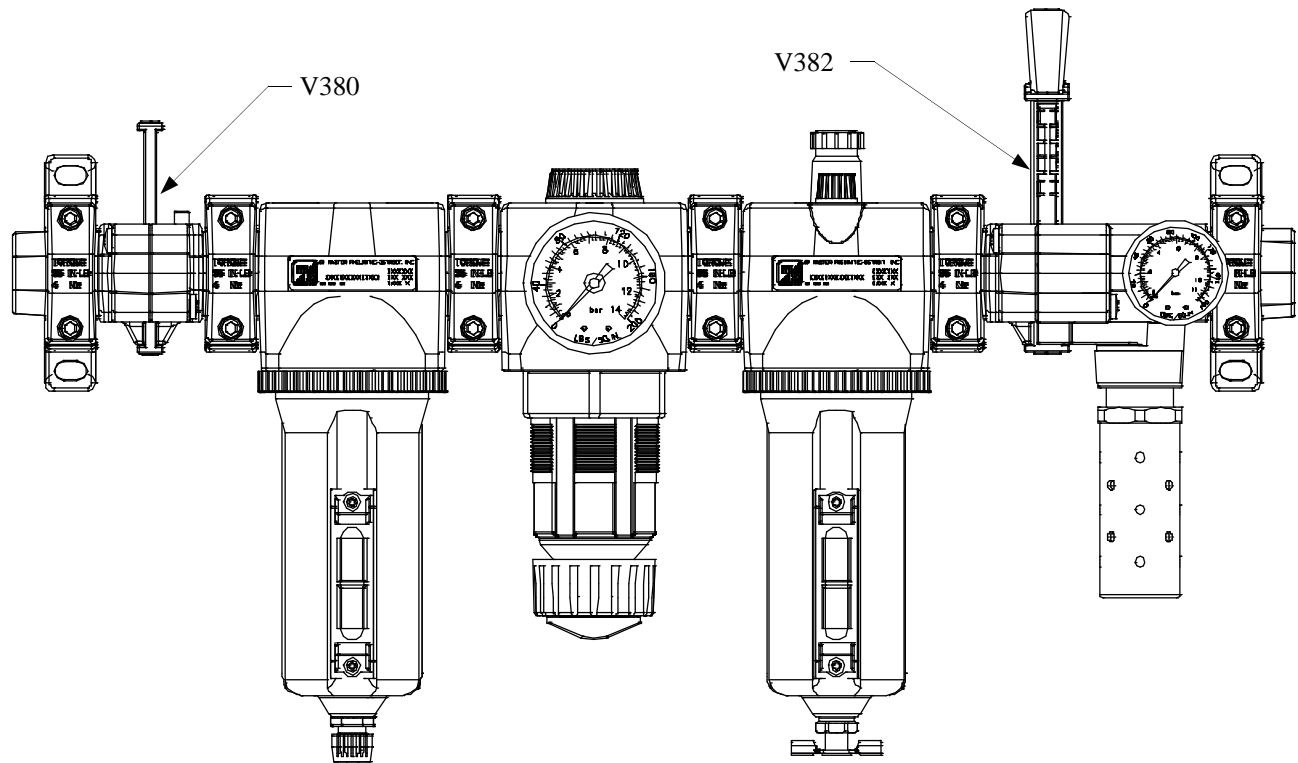


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## Recommended V382 Application



### Model Shown: ABMV1A1BV180B16

- It is recommended that the V382 Lockout Valves be placed at the end of the FRL Assemblies. The reason is because this lockout exhausts air so quickly that it can cause the liquid in the Filters and Lubricators to get sucked out with the Exhausting air. Also, see #5 in installation instructions on page 1.
- A V380 can then be placed at the beginning of the FRL assembly to service the filter and the lubricator. The servicing then is done in the following sequence:
  1. Exhaust and lockout the V382.
  2. Exhaust and lockout the V380.
  3. Now the FRL is safe to maintain.

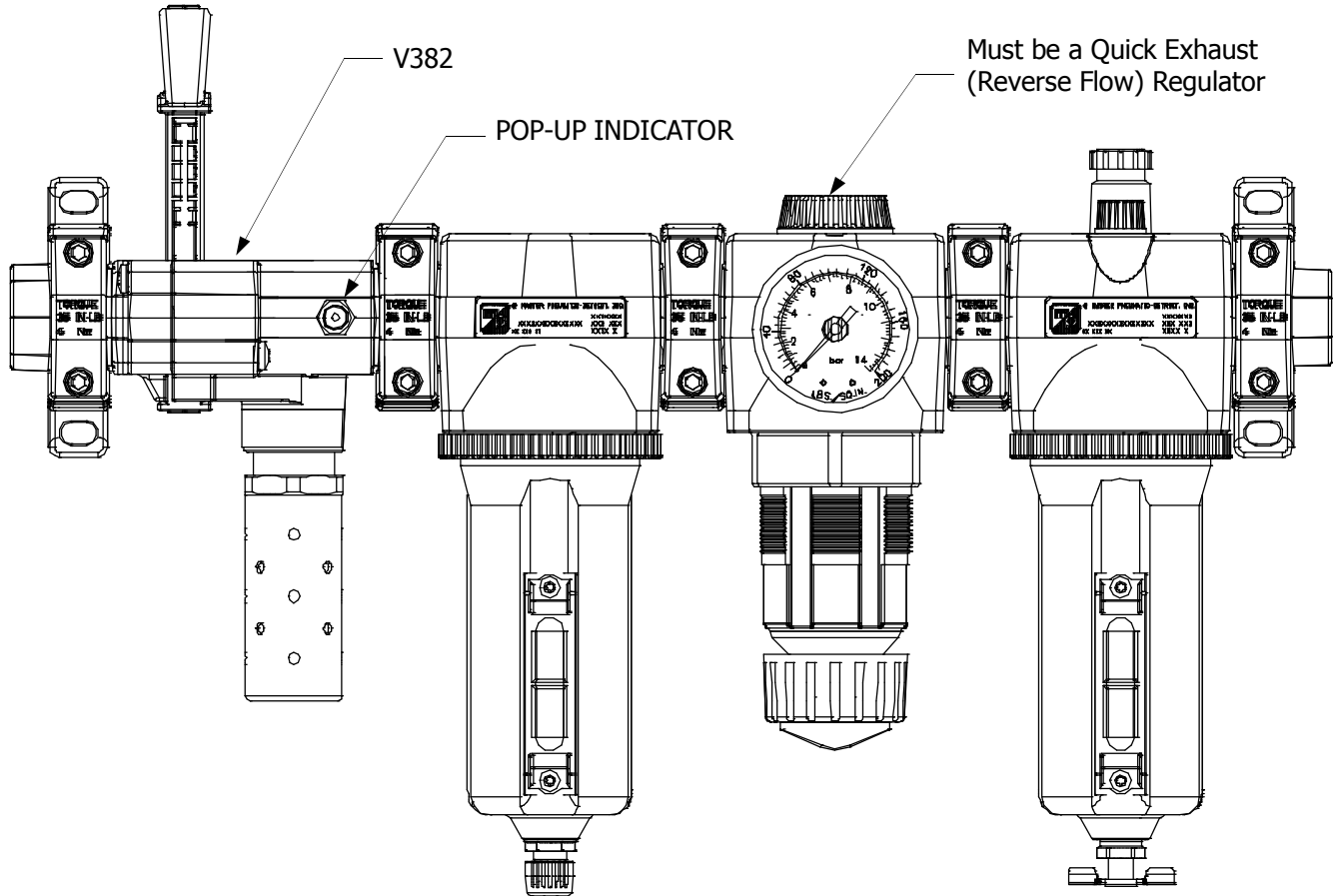


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## **Not** Recommended V382 Application



### **Model Shown: ABM1ALB0B16**

If the V382 Lockout Valve is before any FRL Assembly. All Regulators or Combination Filter/Regulators downstream from the V382 must have the Quick Exhaust (Reverse flow) option. The purpose of the Quick Exhaust (Reverse flow) ensures that the regulators do not trap any downstream air. There are certain conditions in a regulator that when the inlet pressure is removed, the air downstream of the regulator does not exhaust or has a delayed exhaust. Regulators are not the only air devices that can trap air. It is up to the user to determine if there is a potential of trapped air causing a hazard.

Conditions that can be caused by V382 upstream of FRL:

1. The V382 Lockout exhausts air very quickly. This can cause the fluids in the filters and Lubricators to get sucked out of the bowls.
2. Any downstream Regulators and Combination Filter/Regulators must be Quick Exhaust (Reverse Flow) to prevent downstream air from being trapped.