

ATTENTION: READ CAREFULLY BEFORE ATTEMPTING TO INSTALL OR SERVICE THE CONTROL DEVICES NON-CODE SAFETY VALVE. RETAIN FOR FUTURE REFERENCE.

PRODUCT DESCRIPTION

The valve is a field adjustable safety valve used to protect pressure containing components from exceeding a safe level of pressure.

PRODUCT SPECIFICATIONS

Pressure Range	25-200 psi
Max Temperature	250°F
Inlet Pipe Connection	¼ NPT
Height	1.60-1.75 in
Wrenching Hex	9/16 in
Weight	1.5 oz

Materials of construction:

- Body, Adjustment Screw, Jam Nut – Brass
- Springs – Stainless Steel
- Seal – Silicone Rubber

CAUTION
THIS VALVE IS NOT TO BE USED TO PROTECT AN ASME PRESSURE VESSEL.

WARNING
BEFORE ATTEMPTING TO INSTALL THE SAFETY VALVE INTO ANY PRESSURE CONTAINING COMPONENT, ALWAYS TURN OFF AIR SUPPLY AND DEPRESSURIZE SYSTEM PRESSURE.



INSTALLATION & SET PRESSURE ADJUSTMENT

The following items will be needed for the installation and adjustment of the safety valve:

- 9/16" and 5/8" wrenches or adjustable wrench
- Pipe thread sealant (Teflon® tape, pipe dope, etc.)
- Pressure gauge
- Source of air pressure

The safety valve can be set either after installation or it can be set on a separate pressure vessel which has a pressure gauge installed. If the valve is set on a separate vessel, the maximum working pressure of the vessel must be greater than the pressure required by the safety valve.

ADJUSTING THE SET PRESSURE

1. Select the correct spring for the desired set pressure. See Table 1 for spring pressure ranges.
2. With correct spring in valve, install valve into pressure vessel.
3. Apply pressure to vessel while observing pressure gauge. Note pressure at which valve pops
4. If the valve pops below the desired pressure, turn the adjustment screw clockwise to increase the set pressure. If it pops above the desired pressure turn the screw counterclockwise to decrease the set pressure.
5. Repeat steps 3 and 4 until valve pops at desired pressure.
6. Tighten the jam nut against the body to lock the set pressure.

MAINTENANCE

The only maintenance required is the occasional verification of the set pressure of the safety valve. This should be done both to ensure the set pressure has not changed and the valve has not been contaminated or exposed to extreme temperatures causing it to stick in the closed position.

This verification can be performed by installing the valve into a pressure vessel and applying pressure to the vessel as described above. The valve should be popped at least three times to determine a stabilized set pressure. If the set pressure has drifted, it should be readjusted to the desired pressure.

<u>SPRING</u>	<u>PRESSURE RANGE</u>
YELLOW	25-50 PSI
RED	51-100 PSI
SILVER	101-150 PSI
BLUE	151-200 PSI