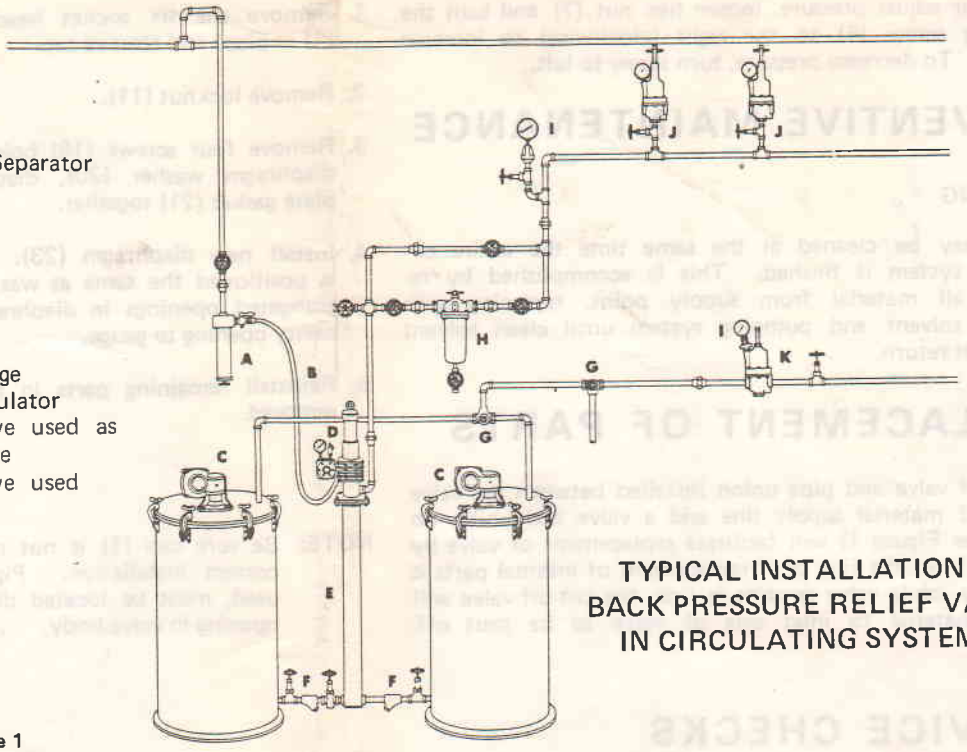
KEY

A. Oil and Moisture Separator
B. 5/16" Air Hose
C. Supply Tank
D. Paint Pump
E. Standpipe
F. Strainers
G. Three-Way Valve
H. Material Filter
I. Fluid Pressure Gauge
J. Fluid Pressure Regulator
K. Fluid Pressure Valve used as Back Pressure Valve / Fluid Pressure Valve used as By-Pass Valve



TYPICAL INSTALLATION OF BACK PRESSURE RELIEF VALVE IN CIRCULATING SYSTEM

Figure 1

Always install valve in an upright position in material supply line.

CAUTION: *Newly installed piping must be flushed thoroughly before installing relief valve to avoid the possibility of pipe compound, chips, scale, etc., becoming lodged in the valve. Install valve after having determined that line is completely clean. DO NOT install, tighten, nor reposition gauge except by turning with a wrench at gauge inlet. Re-coat threads with a sealer to prevent leakage.*

For materials which settle out rapidly it is suggested that the valve be installed in the line from a take-off leg. A cut-off valve installed in the leg will allow material to the valve to be shut off should removal from the line be necessary or repairs of internal parts be required while valve remains in the line (See Figure 3).

Figure 3

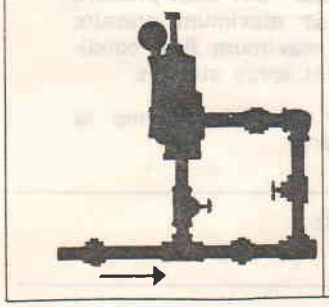
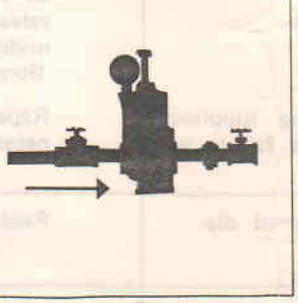


Figure 4



The valve may also be installed in the system in a direct in-line installation (See Figure 4). In this type of installation a cut-off valve and pipe union should be installed in the line. Install cut-off valve ahead of the material inlet to the back pressure valve.

The cut-off valve will allow material flow to be shut off for internal repairs or cleaning while valve remains in the line.

The cut-off valve together with the pipe union facilitates shut off of material and removal of valve from line should this be desirable. In this manner a new valve may be installed and operation resumed with a minimum of interruption to system.

A fluid gauge is not supplied with the valves. One may be installed on RVA-501 by removing pipe plug (2). RVA-502 has no gauge opening. The gauge in this case must be installed in the fluid line on the intake side of the valve.

RVA-503 valve has four gauge ports in valve body (29). The ports toward the inlet side may be used to obtain main line pressure and those toward the outlet side for regulated pressure. All ports not being used should be closed with 1/4 inch plugs. When a gauge is required, see figure 5 for suggested installation. It is also suggested that all pipe fillings be stainless steel or galvanized depending on the nature of the material flowing through the lines.

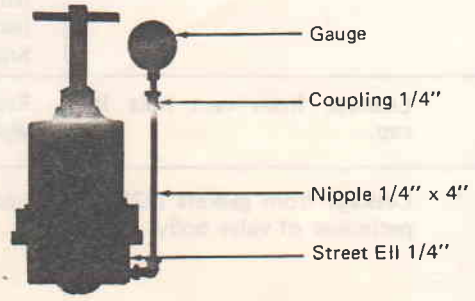


Figure 5