

# Betts Industries, Inc.

1800 Pennsylvania Ave. West  
Warren, PA 16365 U.S.A.

## Engineering Bulletin 1-01

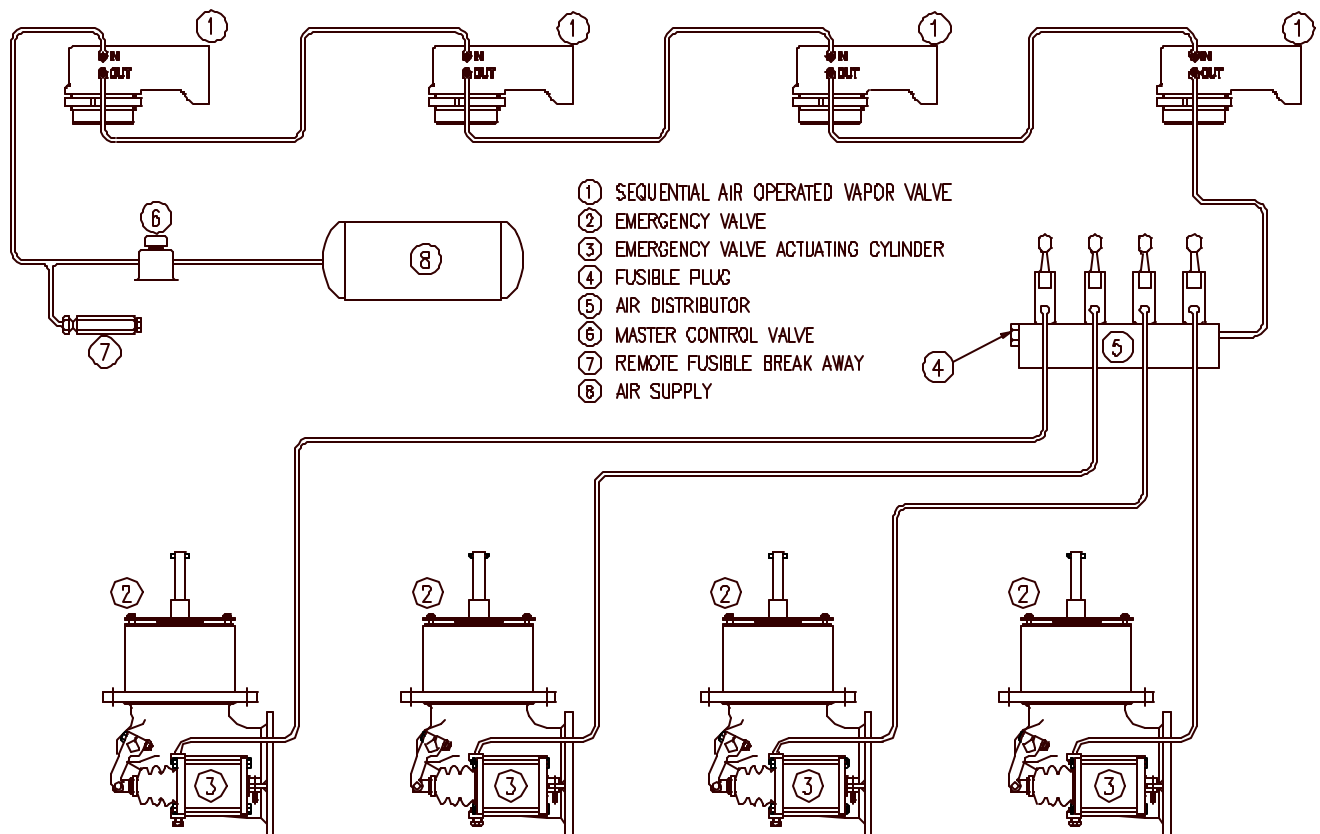
Date: October 31, 2001

Subject: Aluminum sequential interlock vapor valve mounting and plumbing configurations

Betts Sequential Interlock Vapor Valves are designed to open before allowing plumbed air past the valve itself. This feature insures venting is achieved before any loading/unloading, provided proper plumbing procedures are used. Below are two configurations that can be used as guidelines. Please note that these illustrations should be used as general guidelines. Actual plumbing configurations may vary from what is depicted.

### Fig. 1 Common Line Vapor Valve Actuation

In this system, all vapor valves are opened regardless of which emergency valves are selected for opening. If any of the vapor valves fail to open, no air will be passed to any emergency valves. To operate system, open selector valve on air distributor block for each emergency valve you wish to open. Then actuate master control valve to energize system. Hold master control valve open until all vapor valves and selected emergency valves are open.



## Engineering Bulletin 1-01

**Fig. 1 Individual Compartment Vapor Valve Actuation**

In this system, each vapor valve is plumbed in series with the emergency valve from the same compartment. Vapor valves only open on the compartments selected at the distributor block. To operate system, open selector valves on air distributor block for each compartment you wish to load or unload. Then, actuate master control valve to energize system. Hold master control open until all compartments are open. For each compartment selected, air goes to vapor valve first and, after vapor valve opens, passes to that compartment's emergency valve. If vapor valve does not open, emergency valve for that compartment will not open.

