



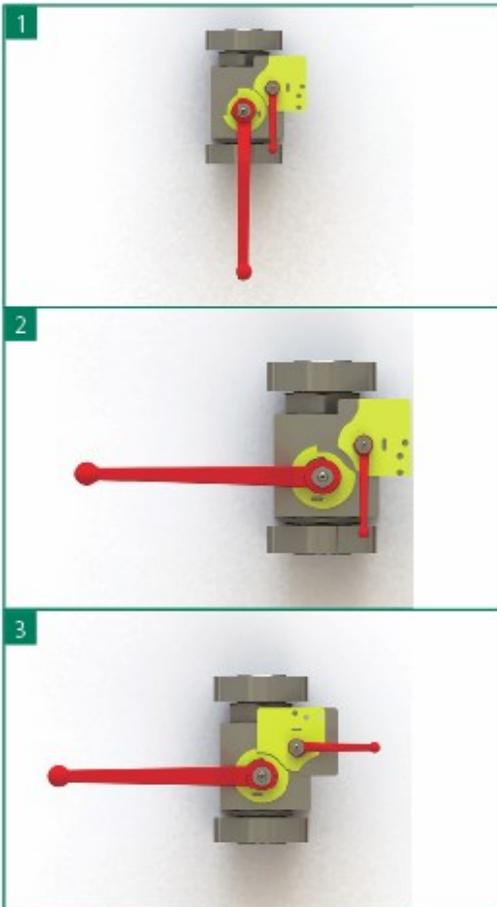
**SIDENER ENGINEERING**  
A DIVISION OF EXOTIC AUTOMATION & SUPPLY

## Locking Blocking Venting Valve

### LOCKING BLOCKING VENTING VALVE FOR SAFE MAINTENANCE OF HYDRAULIC SYSTEMS

Assure the safe depressurization of your hydraulic system during routine machine maintenance with the Locking Blocking Venting Valve.

The valve can only be locked or tagged-out in the closed position after the integrated bleed valve has been operated and the affected portion of the hydraulic system has been depressurized. The interlocking cam plates ensure operation sequence.



#### Valve Operation Sequence

**#1 - Open Position:** In this position, the main line is open and the bleed valve is closed. This would be the normal operating position of the valve.

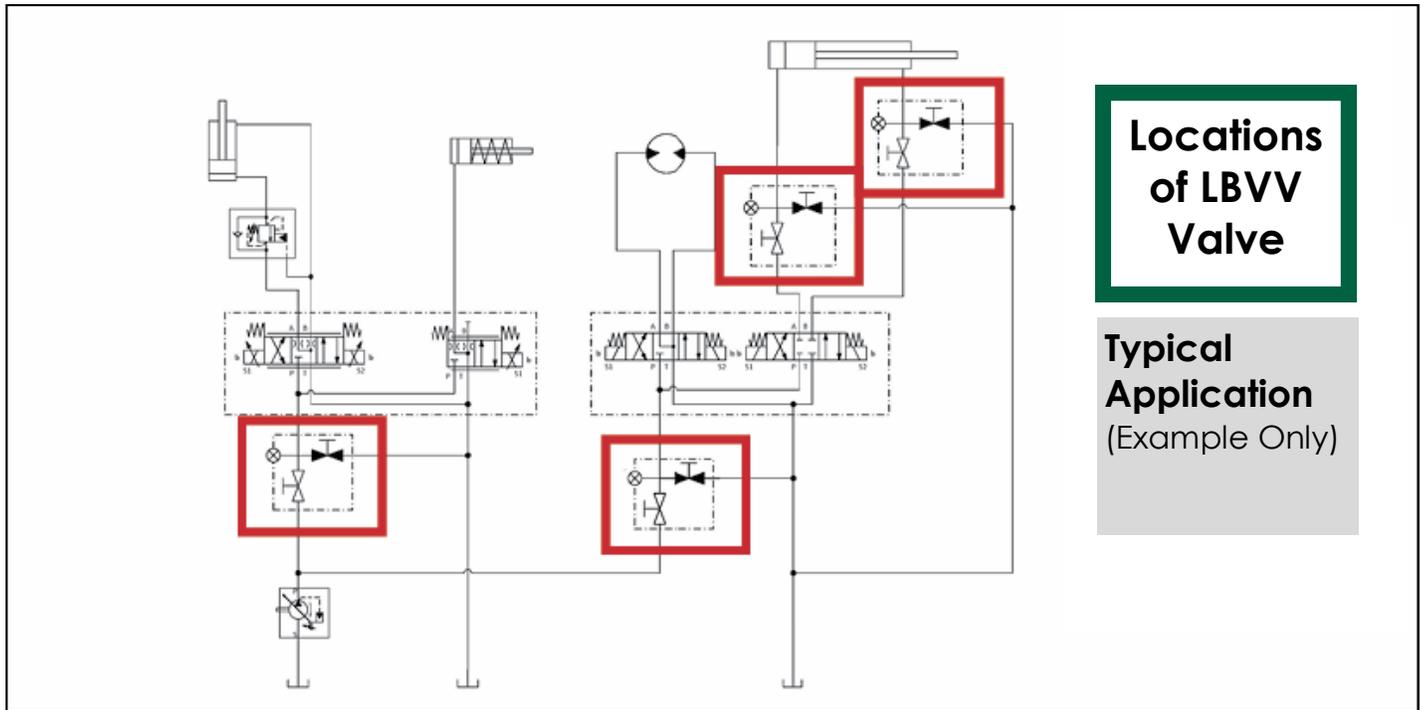
**#2—Mid Close Position:** The first step in locking out the hydraulic supply to the machine requires the main pressure line valve to be closed.

**#3—Closed Position:** The second step in locking out the hydraulic supply to the machine requires the bleed valve to be opened. Only after the bleed valve is opened will it be aligned for installation of appropriate lockout devices (supplied by customer). In the locked position, the main hydraulic supply will be blocked and all pressure from the downstream components will bleed to tank allowing this portion of the hydraulic system to be maintained safely.

**Note:** To start up the machine after maintenance work has been done, the above steps must be followed in reverse order. The valve cam plate will not allow the user to operate the valve out of sequence.

# LOCKING BLOCKING VENTING VALVE

FOR SAFE MAINTENANCE OF HYDRAULIC SYSTEMS



**Locations  
of LBVV  
Valve**

**Typical  
Application  
(Example Only)**

## SIZE/ORDERING CHART

**LBVV**

**12**

**TS**

**SS**

**Type**  
Locking Blocking  
Venting Valve

**SAE Size**  
08 - 1/2"  
12 - 3/4"  
16 - 1"  
24 - 1-1/2"  
32 - 2"  
40 - 2-1/2"

**Connection Type**  
TS - Threaded SAE  
F1 - 4-bolt Flange - Code 61  
F2 - 4-bolt Flange - Code 62  
SF1 - Split Flange - Code 61  
SF2 - Split Flange - Code 62

**Options**  
Blank - NONE  
SS - Stainless Steel Body  
LO - Locking in OPEN Position  
FP - FPM Seals

Note: Valve locks in CLOSED Position  
Note: Port #3 (drain) and sensor port are SAE 4  
Note: Valve body is Carbon Steel  
Note: Valve Seals are NBR