Many industries have equipment and machines that use pneumatics to control their operations. When maintenance or access is required to the area it is necessary to isolate and vent the air supply. Typically, a 3-way lockout valve is installed on the supply line to properly vent the air. When the red manual control on the lockout valve is operated, the air supply is isolated and the machine supply line is vented.

Normal practice to lockout the system is to use a padlock. Applying the padlock to the lockout valve limits any additional controls, isolation, or access requirements to be applied to other areas of the equipment for work to be performed safely. The incorporation of a KIRK® trapped key interlock on the lockout valve prohibits valve operation and the KIRK® interlock key can then be used to initiate lockout procedures and allow access to other parts of the equipment, providing a safe working environment for all tasks needing to be performed.

See the reverse side for a step by step procedure and illustration of this process application.
NORMAL SYSTEM STATUS:
Lockout valve is open with air flowing through Inlet Port 1 to Outlet Port 2 and handle extended with Exhaust Port 3 blocked. The Kirk Trapped Key Bolt lock is in the retracted position with Key A trapped in the lock.

SYSTEM LOTO OPERATION for MAINTENANCE:
1) The Operator pushes the handle inwards to the valve body which blocks Inlet Port 1 and directs flow from Outlet Port 2 to exhaust via Exhaust Port 3.

2) Key A is now turned in the Kirk Key Bolt Lock to extend the bolt and engage the locking ring on the lockout valve handle. This allows Key A to be released and permanently locks the valve in the exhaust position.

3) Key A is released and can then be used to operate additional locks in a system to allow safe access to a machine or equipment.

Note: The KIRK® bolt lock mounting will vary depending on the make and model of lockout valve used.