

## **AIR TECH NOTE**

#2008-001

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### **Subject : Three-Way Dual Shutoff Valves**

Three-way dual shutoff valves are commonly installed before pressure relief valves on industrial refrigeration systems.

Operators and technicians will appreciate two key features:

1. Allows one of the relief valves to be isolated so it may be removed and replaced without evacuation of the vessel, while leaving the other valve operational. Any other form of shutoff valve before the relief valve is not allowed.
2. Provides a backup pressure relief valve in the event that the primary relief valve would open and not reset.

It is important that the three-way dual shutoff valve is left in the proper operating position. The valve is to be placed in the position that will have only one relief valve operational, and the other valve must be isolated and left as a standby valve. Both valves are never to be left in the operational position at the same time.

Proper operation of the three-way dual shutoff valves will vary with the manufacturer so obtain the necessary literature to assure safe operation. It is recommended that the three-way valve be left operational in the back-seated position as it will take the pressure off of the packing and reduce packing leaks.

Feel free to contact AIR if you have any questions or require literature.