



## SERVICE BULLETIN

**Title:** Butterfly Isolation Valves

**Models Affected:** All Chillers with Butterfly Isolation Valves

**Number:** C9708

**Date:** 4/7/97

**Supersedes:** New

**Purpose:**

To provide information for re-assembly of butterfly type isolation valves after a machine has been separated for installation, or following service which requires removal of a valve.

**File:** Installation – Start Up – Operation

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## Information:

The butterfly type valves have a ring (seat) that makes contact with the disc. If the ring is not flush with the surface of the valve, it could become "wedged" at an angle, preventing the valve from making a proper seal with the flange, and possibly causing damage to the valve. For these reasons, it is important to remove and re-install the valve in the CLOSED position only, making certain that both sides are flat, with no components (such as the ring) protruding. Also, note the proper flow direction for the valve before removing it, and make sure it is re-installed in the same orientation. The flange bolts should be torqued in a staggered (cross) pattern.

**Note:** When a chiller (such as the 19XL) is designed to ship with refrigerant in the condenser, the isolation valve is installed with the flow arrow pointing back toward the compressor discharge because the valve provides a stronger seal in that direction. The flow arrow direction does not matter during operation.

The valves are manufactured by Xomox or Neles-Jamesbury and the general information above applies to both types of valves. If more specific information is necessary, the valve manufacturer may be contacted at the following phone numbers:

Neles-Jamesbury in Worcester, MA (508) 852-0200

Xomox Locations:

- Southeast in Tucker, GA (404) 939-7760
- Central in Hickory Hills, IL (708) 598-5098
- Northeast in Pine Brook, NJ (201) 227-1171
- Far West in Tualatin, OR (503) 692-3455
- Southwest in Houston, TX (713) 668-6300