

SERVICE BULLETIN

Title: 17DA Cooler Level Glass
Models Affected: 17DA

Number: C9805
Date: 4/16/98
Supersedes: New
Date: N/A

Purpose:

To inform the field of a potential problem found on the 17DA coolers with liquid level sightglasses, produced after July 1995.

Information:

17DA coolers produced after July 1995, with a liquid level sightglass are piped from the bottom shut-off valve to the cooler with 3/4" pipe at a 45° orientation. In some cases, this line has collected weld slag from the vessels, making it difficult or impossible to close the hand valve.

File: Cooler, Condenser, Economizer

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Internal to the factory mounted hand valve is a ball check valve. This ball check valve is present as part of the ASHRAE 15 Safety Code. If the level glass were to break, the ball seats to prevent the release of the refrigerant charge. Based on the information presented above, there is a chance that check valve installed in the factory mounted hand valve may not seat properly if weld slag interferes with its operation.

Solution:

To solve this situation, open and tag all electrical disconnects, and remove the refrigerant from the vessels. Open the assembly and clean out the parts if necessary. Insert a tee in the horizontal line with a small section of pipe, full flow shut-off valve, and a cap to form a well. A schrader valve should be added between the newly installed shut-off valve and the cap. Use the schrader valve to relieve the pressure before opening the cap for service. Leak check the new line assembly before replacing the refrigerant.

As part of the routine maintenance of the system, clean out the trap by closing the shut-off valve to the well, remove the pressure through the schrader valve and open the cap.

Mail Keys: 2.33A, 2.33B, 2.33D, 2.40, 2.40A, 2.40B, 2.40D, 2.40M, 2.46A, 5.25G

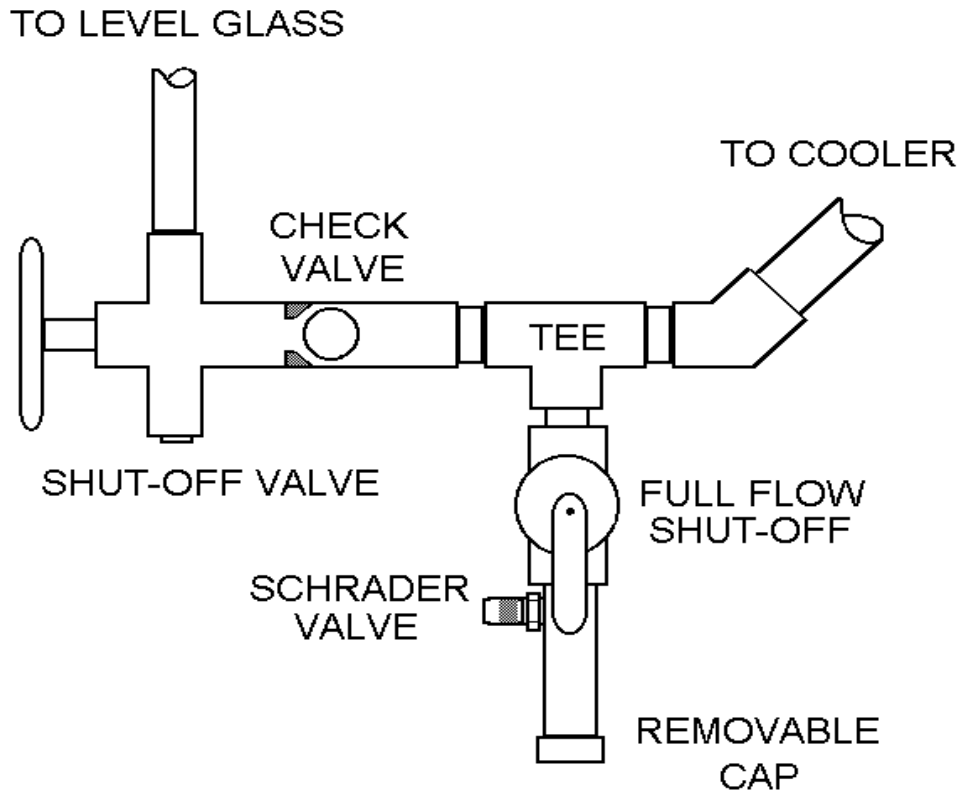


Figure 1 - Liquid Level Sightglass