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H.O., REG'L & AUST. MANAGERS
APPLIC. NOTICE GENERAL LIST

Issue No.: 02/08
Date: 20th March 2008
From: T King

Subject: USE OF SCROLL COMPRESSORS FOR SYSTEM PUMP DOWN/EVACUATION
Units: VARIOUS

It has come to our attention recently during the testing of new R410A systems that it is not good practice to utilize the scroll compressor to pump the system down.

Our testing showed significant loss of performance when the compressor was used to pump the system down and each successive pump down reduced the performance further.

The compressor supplier specifically advises compliant scroll compressors and for that matter any refrigerant compressor should never be used to evacuate a refrigeration or air conditioning system.

The issue is not that of failure, we have no evidence of this, simply a progressive loss of performance. It has probably never been an issue in the field as the service contractor would probably not be aware of the loss of performance. In this day and age of energy efficiencies and MEPS we have a responsibility to bring this to your attention as any loss of performance leads to unit inefficiencies.