STATEMENT

Last update: May-2011

Containment of Refrigerant Compressors

ASERCOM member companies are always concerned by any refrigerant leakages from systems, and strive to work with partners to achieve the best possible system containment at all times. Leakages, in addition to impairing system performance can, in the case of HFC's, have a direct effect on global warming, and in the case of other refrigerants can have a detrimental and possibly dangerous effect on the immediate environment. The following general guidelines have been prepared to provide information on the containment procedures being followed by member companies during development and final compressor product testing.

Compressors being components of the refrigerating system have to be considered as a potential source of leakage. However, studies by independent institutes (e.g. ILK Dresden) have proven that compressors are not normally a significant source of refrigerant leakage. Nevertheless, *ASERCOM* members have put into place measures for further improvements concerning tightness of products and connections. An internal survey covering all *ASERCOM* member companies shows that updates to their specifications are continually demanding improvements in containment requirements, and although the production procedures show some differences the final results are equivalent.

- All compressors manufactured by *ASERCOM* members fulfil stringent tightness requirements especially regarding the main connections to the system pipe work as well as connections for required accessories. These topics are handled in close relation with the Controls Manufacturers Member Companies.

- Compressor tightness verification is conducted using helium spectrometer or other appropriate methods according to EN 1779 that guarantee tightness as requested by relevant standards.

ASERCOM member companies obviously agree to continue to stress containment issues in their daily manufacturing process and in all their new product development.