



# Code of Practices for RAC\* System Servicing

## Dos

- Always apply best practices within a safe working environment;
- Always recover refrigerants before servicing or scrapping a system;
- Recycle refrigerants for reuse whenever possible;
- Contaminated refrigerants must be stored safely prior to destruction;
- Leaks must be identified and repaired before the system is recharged with refrigerants. Never assume that only one leak is possible!
- Improve your handling of refrigerants, e.g. minimize purging refrigerant hoses;
- Completely empty disposable refrigerant cylinders before scrapping;
- Maintain the best possible and energy-efficient operational conditions of the RAC system;
- Keep record of service and maintenance and manage the RAC systems logbook;
- Maintain good relations with equipment operators and inform them about important, general system features.

## Don'ts

- If you can't work safe, don't do it;
- A well operating and leakproof system should not be subjected to retrofit or conversion;
- Never vent ODS\*\* or refrigerants with high GWP\*\*\* into the atmosphere;
- Never use ODS or refrigerants with high GWP as a cleaning solvent for the system (except secured in a closed loop), or blowing-out the heat exchanger's surface;
- Do not break vacuum with refrigerant for multiple evacuation process, always use OFDN (Oxygen Free and Dry Nitrogen);
- Do not top-up the refrigerant charge of a RAC system without knowing the correct actual filling amount;
- Never use a recovery cylinder (or any other cylinder) which is not designed, certified or clearly labeled for the intended purpose;
- Never mix different types of refrigerants in one recovery cylinder;
- A RAC system designed for the use of low GWP refrigerants (such as HCs) should never be reverse-retrofitted to the use with HFCs/HCF-Cs/CFCs;
- Never attempt to work with damaged or defective tools or equipment, do not use longer refrigerant transfer hoses than necessary.