

# 10 Tips for Trouble-free Refrigerant Recovery

With the advent of the new high-pressure blended gases, it is necessary to understand how to correctly perform refrigerant recovery to assure operator safety and prevent premature equipment failure. Bacharach's Institute of Technical Training offers these 10 Tips for safe and trouble-free recovery:

- Always identify the refrigerant you are recovering. This will minimize cross contamination and help you plan for the equipment needed while recovering.
- Pay attention to your hoses. Use the shortest hoses possible for the job. Long hoses increase the recovery time. Remove all restrictions in the hoses. Hoses with ball valves on the ends are better than hoses that are self-sealing. Remove schrader core valves when possible from service ports.
- Do not run your recovery machine with a long extension cord or a cord of too light a gauge wire.
- Always recover refrigerant with an in-line filter dryer.
- Always pump liquid out of the system first; then recover the remaining vapors. This will speed up recovery rates significantly.
- With large amounts of refrigerant, use the liquid push-pull recovery method. This is three times faster than recovering liquid directly. Refer to the liquid push-pull instructions in your equipment's manual.
- When possible recover from both the high and low side service port on the system you are recovering from. This will speed up your recovery rate.
- Climatic conditions affect recovery rates. Recovery rates can be adversely affected by either extreme hot or cold temperatures.
- Always purchase the right recovery machine for the job. A recovery machine with a lower capacity than required by the job will wear out prematurely.
- When recovering R410 gas, you need a recovery machine with high pressure and temperature capabilities, able to pull the deep vacuum necessary for complete refrigerant removal.

**Looking for a winning combination of equipment to get the job done correctly?** Bacharach has the equipment you need.

## THE STINGER™ – PROFESSIONAL REFRIGERANT RECOVERY SYSTEM

Small and lightweight, the STINGER is a universal recovery system, recovering all medium and high-pressure refrigerants, including R-410A. It features a revolutionary single

valve compressor driven by a powerful 8 amp. motor. The compressor works together with a high performance condenser and two cooling fans for fast recovery – even on the hottest days. And, the STINGER's single purge system prevents cross-contamination of refrigerants without changing hoses.



## THE INFORMANT 2™ – DUAL PURPOSE REFRIGERANT / COMBUSTIBLES LEAK DETECTOR

The first dual purpose leak detector, The Informant 2 combines state-of-the-art, patented sensor technology,

micro-processor controlled circuitry and a unique software design to offer unsurpassed precision and reliability with instant leak detection. The Informant 2 features an automatic sensitivity adjustment that allows it to find leaks quickly, even in contaminated atmospheres. It detects leaks of combustible gases sensible to 50ppm. Its two-position probe has a tapered end (0.2" diameter) to help detect hard to reach leak sources easily. Its ergonomic design makes it easy to hold and operate.

## FYRITE PRO® – ELECTRONIC COMBUSTION ANALYZERS



The affordable Fyrite Pro Analyzer tests and evaluates the operating efficiency of residential furnaces and appliances electronically, allowing you to service appliances with greater accuracy and efficiency. From CO-only tests to O<sub>2</sub>, stack temperature and air temperature measurements – even complete combustion analyzer measurements such as differential

pressure and draft, as well as combustion efficiency, CO<sub>2</sub> and excess air calculations – the Fyrite Pro will give you the data you need instantly. You can even document test results via an infrared printer.

- For more information about Bacharach's full line of products and services, call us in U.S.A. at 1-800-736-4666 or in Canada at 1-800-328-5217. [www.bacharach\\_inc.com](http://www.bacharach_inc.com)

