A-GAS®

REFRIG HEAL+H CHECK™

Product Information

The A-Gas Refrig Health Check is designed to allow system owners to test the working fluids of a running system to establish whether the fluids are contaminated; the analysis results are accompanied by expert advice for remediation of any problems.

The kit includes a refrigerant sample cylinder, an oil test kit and all required equipment to take the samples all packaged in a robust box. The Refrig Health Check includes a prepaid courier collection note allowing the box to be returned to A-Gas to generate analysis results as quickly as possible.

The Refrig Health check is ideal for use on systems that have operating problems or it may also be a valuable addition to your annual preventative maintenance programme.

Test to be carried out

Refrigerant: purity, composition, non-volatile residue, acidity, moisture, chloride, particulates

Oil: moisture, acid number, viscosity, oxidation index, particulates, metal ion analysis

This kit does not test for Non-Condensable Gas contamination

Usage Instructions

WHEN OPENING THE KIT, TAKE CARE NOT TO DAMAGE THE BOX, YOU WILL NEED IT TO RETURN THE SAMPLES TO A-GAS FOR ANALYSIS

1. To Use the Refrig Health Check, firstly ensure the seal on the sample cylinder is unbroken; never use a cylinder which does not have a seal or if the seal has been tampered with.
2. Place the sample cylinder on a set of scales.
3. Using the new, (clean) hose and adaptor supplied in the kit, connect the sample cylinder to a source of liquid refrigerant from the system (this could be the liquid receiver for instance).
4. Purge the hose with refrigerant from the system to the sample cylinder to remove air from the hose.
5. Use the cylinder vacuum to draw liquid refrigerant into the sample cylinder.
6. An absolute minimum of **2kg of liquid refrigerant** is required in the sample cylinder to allow proper analysis. If insufficient liquid is provided, there won't be enough to carry out all required tests.
7. Close the valve of the sample cylinder and **tightly replace the cap over the valve outlet**. The sample cylinder can now be returned to the box.

Convenient • Simple • Transparent

A-Gas (Australia) Pty Ltd
9-11 Oxford Road
Laverton North, VIC 3026
Australia

T 1800 002 427
F [+61] (0) 3 9368 9233

info.au@agas.com
www.agas.com

8. Unscrew the lid from the Oil Test Kit and use the hose or clear plastic pipe to introduce oil into the oil sample bottle. The sample bottle must be filled to the 'fill to' line to ensure there is enough for all required tests. (oil may be taken from the oil filter or oil separator for instance)
9. Once filled, the oil must be left with the lid off for a minimum of 20 minutes to allow all dissolved refrigerant to boil off. If the oil is still fizzing, leave it for longer! The oil sample bottle is not a pressure vessel and will rupture in transit if pressurised by refrigerant.
10. Once all refrigerant has boiled out of the oil, firmly apply the lid to the sample container and return it to the protective black plastic case. The Oil Test Kit can now be returned to the box.
11. **Fill in the information request form** with details on the system and oil, return the information request for to the box.
12. The refrigerant hose and adaptor are free for you to keep
13. Close the box and secure the lid with a little tape to ensure it doesn't open in transit
14. Fill in your company details on the TNT consignment note and complete the DG declaration (most of the boxes are pre-printed so this won't take long)
15. Affix the prepaid TNT consignment note to the outside of the box and call TNT on **131150** to arrange collection of the box.

NEVER USE A REFRIG HEALTH CHECK FOR AMMONIA OR HYDROCARBON REFRIGERANTS

Disclaimer

The Customer is solely responsible for ensuring that the correct sampling procedures are followed in collecting the samples of refrigerant and oil. A-Gas does not accept any responsibility for ensuring that the correct sampling procedures were followed. The Customer acknowledges that A-Gas will not refund any amount paid for this service where incorrect sampling has occurred resulting in either the samples contamination or insufficient samples being received with which to conduct the analysis.

T [+61] (0) 3 9368 9222
F [+61] (0) 3 9368 9233
info.au@agas.com
www.agas.com
Speciality Chemicals and Gases