A2L Refrigerant Recovery Technical Bulletin

The G5Twin and G1Single recovery machines are compatible to use with A2L refrigerants. Due to the mildly flammable nature of A2L refrigerants, it is important to ensure proper technical training prior to recovering these refrigerants. Some jurisdictions may require special licensing or certification before handling flammable refrigerants. Additional regulations or guidelines may be required by your local, state, or federal agencies. Check your local occupational health and safety codes.

Proper precautions should be followed when handling or recovering A2L refrigerants.

These precautions include, but are not limited to the following:

- Always verify that the recovery machine is operating normally before performing a recovery. If you suspect the recovery machine may have an issue it must be serviced by an Appion Factory Service Center.
- A temporary flammable zone should be created with a 3-meter perimeter around the work area.
- Place “No Smoking”, “Do Not Enter”, and any other appropriate warning signs in the area.
- A CO2 or dry powder-type fire extinguisher should be available within the work area.
- Use a suitable flammable gas detector to monitor the air in the work area for refrigerant gas concentrations.
- Ensure adequate ventilation of the area.
- Service equipment should be connected to and disconnected from a power source outside of the flammable zone.
- Properly ground the recovery machine, tank, hoses, system, and other elements to prevent static buildup.
- Do not reset the service equipment circuit breaker unless power has been removed from the equipment or the area is free of ignitable concentrations.
- Disable and lock off the power to the system being serviced.
- **Do not mix A2L refrigerants with air**. All precautions must be taken to eliminate the mixing of air with flammable refrigerants, including monitoring the recovery cylinder for air content.
- When recovery is complete, purge the system with oxygen-free dry nitrogen (OFDN). Do not use compressed air or oxygen.

Always use “best practices” when it comes to safety and follow all proper training procedures!

Appion Inc
2800 S Tejon St, Englewood, CO 80110 USA
Sales@AppionTools.com | Support@AppionTools.com