



A2L Glossary of Terms

Term	Definition
Class A2L	A2L refrigerants are low-GWP, low ODP, & safer alternatives to legacy refrigerants like HFCs and HCFCs. Examples include R-454B, R-32, R454A, R454C, & R455A.
Compliant vs. Compatible	Compliant indicates that tools and equipment meet specific regulatory standards and safety guidelines where Compatible refers to tools and equipment that can safely work with A2L refrigerants.
Components	Components include things like compressors, individual condensers, and individual evaporators. These can be installed indefinitely under the new regulations.
GWP	Global Warming Potential (GWP) is the potential for a gas to trap heat in the atmosphere , resulting in climate change.
HFC	Hydrofluorocarbons (HFCs) are man-made gasses that are used in HVAC & refrigeration . Examples include R-32, R-125, R134a, R143a, & R152a.
ODP	Ozone Depleting Potential (ODP) is a number that indicates the level of ozone depletion caused by a substance .
Products	The EPA defines products as self-contained equipment that is functional when they leave the factory . Examples include packaged units, ice machines, and dehumidifiers.
Refrigerant Classification	The first character refers to the level of toxicity (A=lower toxicity, B=higher toxicity). The second character(s) refers to the level of flammability (1=no flammability, 2L=lower flammability, 2=low flammability, 3=higher flammability)
Systems	The EPA defines systems as refrigerant-containing components that need to be installed together to operate .
Zeotropic Mixture	A zeotropic mixture (also called non-azeotropic mixture) is a mixture with liquid components that have different boiling points .

