



# A2L Glossary of Terms

Term	Definition
Class A2L	A2L refrigerants are <b>low-GWP, low ODP, &amp; safer alternatives</b> to legacy refrigerants like HFCs and HCFCs. Examples include R-454B, R-32, R454A, R454C, & R455A.
Compliant vs. Compatible	<b>Compliant</b> indicates that tools and equipment meet specific regulatory standards and safety guidelines where <b>Compatible</b> refers to tools and equipment that can safely work with A2L refrigerants.
Components	<b>Components</b> include things like compressors, individual condensers, and individual evaporators. <b><i>These can be installed indefinitely under the new regulations.</i></b>
GWP	Global Warming Potential (GWP) is the <b>potential for a gas to trap heat in the atmosphere</b> , resulting in climate change.
HFC	Hydrofluorocarbons (HFCs) are <b>man-made gasses that are used in HVAC &amp; refrigeration</b> . Examples include R-32, R-125, R134a, R143a, & R152a.
ODP	Ozone Depleting Potential (ODP) is a number that indicates the <b>level of ozone depletion caused by a substance</b> .
Products	The EPA defines products as <b>self-contained equipment that is functional when they leave the factory</b> . Examples include packaged units, ice machines, and dehumidifiers. <b><i>Products must be manufactured before January 1, 2025 and has a 3-Year sell through.</i></b>
Refrigerant Classification	The first character refers to the <b>level of toxicity</b> (A=lower toxicity, B=higher toxicity). The second character(s) refers to the <b>level of flammability</b> (1=no flammability, 2L=lower flammability, 2=low flammability, 3=higher flammability)
Systems	The EPA defines systems as <b>refrigerant-containing components that need to be installed together to operate</b> . Examples include residential split systems and mini-splits. <b><i>Systems can be manufactured through December 31, 2024 and has a 1-Year sell through.</i></b>
Zeotropic Mixture	A zeotropic mixture (also called non-azeotropic mixture) is a <b>mixture with liquid components that have different boiling points</b> .

