



EU Pressure Equipment Directive assessment services for HVAC/R products

How UL can help with the Pressure Equipment Directive

Driven by Montreal Protocol and Kigali Amendment several regions of the world are starting to require the use of refrigerants with lower global warming potential (GWP). Those refrigerants are flammable (A3) or mildly flammable (A2L) in most of the cases.

A2L and A3 refrigerants are considered harmful gases under the EU Pressure Equipment Directive. Products that have been using non-flammable A1 refrigerants and will move to A2L or A3 refrigerants might change to a higher PED category which will require PED certification by a notified body.

What is the Pressure Equipment Directive (PED)

Pressure Equipment Directive (DIRECTIVE 2014/68/EC) is a mandatory European Union (EU) regulation covering the design, manufacturing and conformity assessment of pressure equipment and assemblies with a maximum allowable pressure greater than 0.5 bar, or 7.25 pounds per square inch. The PED affects most pressure equipment and assembly manufacturers that want to gain market access in the European Economic Area (EEA) because it is a mandatory part of EU CE conformity.

HVAC/R products and parts affected by PED

In HVAC/R products, the equipment and assemblies covered include:

- Assemblies, such as air conditioners, chillers, hot water boilers, refrigeration cabinets
- Main pressure parts, such as hermetic-compressors, receivers
- Other pressure parts, such as evaporators, condensers, pipelines
- Safety accessories, such as safety valves, safety bursting discs, controlled pressure safety release systems

How UL can help

UL, an accredited Notified Body under Directive 2014/68/EU, can provide evaluation and certification around the world for pressure equipment and assemblies. The conformity assessments are performed through various evaluation procedures that apply depending on the pressure equipment category.

UL offers one-stop services for the European and global market access. This includes EU-LVD, EC-EMC, EU-PED, CB, UL and others. With our global reach we are able to deliver local solutions, including PED certification, providing global continuity from an evaluation standpoint and cost and time savings.

Work with UL to confirm climate-friendly alternatives and improve energy efficiency.

For more information contact HVACInfo@ul.com.