

F Gas Leak Checking Pocket Guide

This guide provides clarity of the changes to mandatory leak testing requirements for air conditioning systems. More Information is available through our White paper: <http://www.hemlow.com/download/F%20Gas.pdf>

| Mandatory Leak check frequency | 2006 regulation | 2014 Regulations | | | | Typical Systems |
|--------------------------------|-----------------------------------|---|---------------------------|---------------------------|---------------------------|------------------------------|
| | Kg Threshold for HFC refrigerants | Tonnes CO ₂ e threshold for all HFC refrigerants | Kg Threshold for HFC 410A | Kg Threshold for HFC 134a | Kg Threshold for HFC 407C | |
| Annual | 3 Kg *** | 5 Tonnes CO ₂ e** | 2.4 Kg | 3.5 Kg | 2.8 Kg | Split Air Conditioning Units |
| Every 6 Months | 30 Kg | 50 Tonnes CO ₂ e | 24 Kg | 35 Kg | 28 Kg | Small/Medium Chillers |
| Every 3 Months | 300 Kg | 500 Tonnes CO ₂ e* | 240 Kg | 350 Kg | 280 Kg | Large/Industrial Chillers |

* Leak check frequency is halved if automatic leak detection system is installed

** The threshold for annual leak checks on hermetically sealed equipment is 10 tonnes CO₂e

*** Systems with less than 3KG, the 5 tonnes CO₂e threshold only applies from 1st January 2017