

2018 F-Gas Challenge

Don't wait until 2018! Reasons to act now:

- Product availability • Price changes
- Engineer availability • Environmental benefits



ACTION CHECKLIST

- ✓ **SWITCH** to lower GWP refrigerants
- ✓ **PREVENT** leakage
- ✓ **DESIGN** for less refrigerant charge
- ✓ **REDUCE** usage of high GWP refrigerants
- ✓ **RECOVER** during retrofit/end of equipment life

F-Gas = EU Regulation from 1 January 2015

AFFECTING NEW & EXISTING EQUIPMENT

TARGET
To dramatically reduce F-Gas emissions over next 15 years



EU Regulation 517/2014 Requirements



Application or refrigerant use bans from certain dates



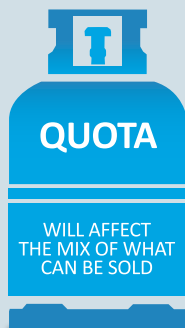
Regular leak checks



Good record keeping and training

QUOTA =

The total quantity of HFC refrigerants allowed to be placed on the market expressed as CO₂ equivalent tonnes



A greater quantity of lower GWP refrigerants can be sold compared to those with a higher GWP

Low GWP Refrigerants



Eg R-449A GWP 1397

High GWP Refrigerants



Eg R-404A GWP 3922

Reductions in Quota

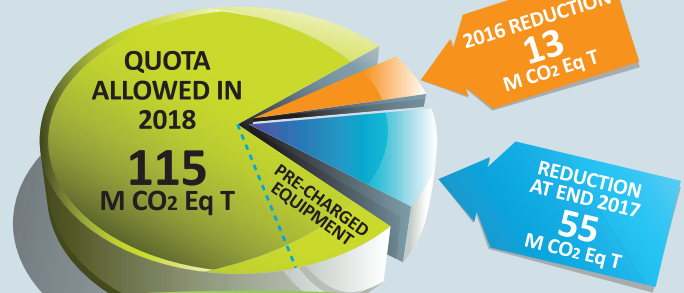
2015 = 182 Million CO₂ TEq

7% ↓ in **2016**

32% ↓ at the end **2017**

2018 = 115 Million CO₂ TEq

Quota Changes



TAKE ACTION NOW!

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