

Quick Guide

Klea® refrigerants and the EU F-Gas Regulation

This document provides guidance on the use of Klea® refrigerants under the EU F-Gas Regulation.

Klea® refrigerants play an important role in meeting the demands of F-Gas as a well-understood, readily available and technologically proven range of products. The regulation recognises the ongoing need for the use of HFC refrigerants across a range of application sectors and provides incentives to adopt the lowest GWP products commensurate with safety and efficiency in use.

F-Gas Phase Down

In enacting the F-Gas Regulation, the EU is ensuring that the overall use of HFCs is controlled and that refrigerants having the highest GWPs will be replaced by lower-GWP alternatives.

Period	Quota level
2009 - 12	Baseline
2015	100%
2016 - 17	93%
2018 - 20	63%
2021 - 23	45%
2024 - 26	31%
2027 - 29	24%
2030	21%

Only companies with EU quotas, such as Mexichem will be able to supply HFCs to the EU market. Mexichem can help you to comply with the F-Gas Regulation through the best use of existing products and the development of lower GWP refrigerants.

The following table represents the suitability of Klea® refrigerants under the F-Gas regulation and the longevity of their use by application.

Suitability of Klea® refrigerants under the F-Gas Regulation

Klea® 404A and Klea® 507 (GWP above 2500)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Commercial refrigerators and freezers	■	■	■						
Stationary Refrigeration Equipment	■	■	■						
Centralised refrigeration	■	■	■	■	■				
Servicing of existing equipment	■	■	■						

Klea® 407A, Klea® 407C (GWP above 1500)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Commercial refrigerators and freezers	■	■	■	■	■				
Stationary Refrigeration Equipment	■	■	■	■	■	■	■	■	■
Centralised refrigeration	■	■	■	■	■				
Servicing of existing equipment	■	■	■	■	■	■	■	■	■

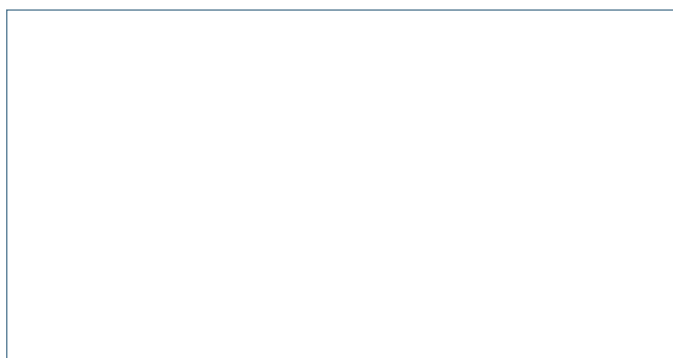
Klea® 410A (GWP above 1500)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Moveable room air conditioning	■	■	■						
Single split air conditioning < 3 kg	■	■	■	■	■	■	■	■	
Single split air conditioning > 3 kg	■	■	■	■	■	■	■	■	■
Servicing of existing equipment	■	■	■	■	■	■	■	■	■

Klea® 134a (GWP above 750)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Primary circuit cascades of centralised refrigeration systems	■	■	■	■	■	■	■	■	■
Moveable room air conditioning	■	■	■						
Servicing of existing equipment	■	■	■	■	■	■	■	■	■

Klea® 32 (GWP above 150)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Single split air conditioning < 3 kg	■	■	■	■	■	■	■	■	■
Single split air conditioning > 3 kg	■	■	■	■	■	■	■	■	■
Servicing of existing equipment	■	■	■	■	■	■	■	■	■

For further information on our products or concerns over usage please contact your local Mexichem representative who will be more than willing to help you.

For more information please contact:



www.mexichemfluor.com

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 Refrigerants