

## CASE STUDY

# Forane<sup>®</sup> 32 –Manufacturer Spotlight Low-GWP R-410A Replacement

Forane<sup>®</sup> 32 (R-32) has become one of the most prevalent and broadly accepted low-GWP R-410A replacement products across the globe. Implementation of R-32 into HVAC equipment requires components that are specifically designed and approved for use with the refrigerant. One manufacturer that is leading the way with a full range of products approved for R-32 is Danfoss. Their range of products include compressors, AC drives, valves, system protectors, electronics/sensors, and optimized heat exchangers.



### DANFOSS DSF COMPRESSORS

- Full range (7.5-44 ton) of fixed-speed scroll compressors equipped with intermediate discharge valve (IDVs) technology to meet the latest seasonal efficiency requirements
- Mitigates the impact of high discharge gas temperature, without the need for costly liquid or vapor injection
- +10% volumetric capacity vs. R-410A for the same compressor size
- +2-5% energy efficiency vs. R-410A
- Wide operating map, suitable for use in reversible (heat-pump) systems





## R-32-ADAPTED

- ✓ Compressors
- ✓ AC Drives
- ✓ Valves
- ✓ System Protectors
- ✓ Electronics and Sensors
- ✓ Heat Exchangers



“

Around the world, air conditioning OEMs are switching away from R-410A. By adding a new R-32 range of products on top of our existing multi-refrigerant portfolio, we're committed to providing the broadest range of options to our customers.”

- MATTHIEU STOLL, DANFOSS COOLING,  
AC SEGMENT MARKETING DIRECTOR

**Customer Service: (800) 245-5858**

**Technical Service Team: (800) 738-7695**

**forane.com**



**www.danfoss.com**

Global warming potential (GWP) values are relative to carbon dioxide on a 100-year basis and were obtained for the Fifth Assessment Report (AR5) of the Intergovernmental Panel on Climate Change (IPCC). Forane® is a registered trademark of Arkema. UL® is a registered trademark of Underwriters Laboratories, Inc.

**Headquarters: Arkema France**

420, rue d'Estienne d'Orves  
92705 Colombes Cedex – France  
T +33 (0) 1 49 00 80 80  
F +33 (0) 1 49 00 83 96  
arkema.com

**Arkema Inc.**

900 First Avenue  
King of Prussia, PA 19406  
T +1 610 205 7000  
F +1 610 205 7497  
arkema.com

Please consult Arkema's disclaimer regarding the use of Arkema's products on <http://www.arkema.com/usa/en/products/product-safety/disclaimer/>  
Arkema - a French "société anonyme", registered with the Commercial and Companies Register of Nanterre under number 319 632 790

© 2022 Arkema Inc. All rights reserved.

**arkema.com**

**ARKEMA**