



Opteon™ XP30 (R-514A)

Refrigerant

Product Information

Opteon™ XP30 (R-514A) is a low global warming potential (GWP) hydrofluoroolefin (HFO)-based refrigerant developed to replace R-123 in low pressure centrifugal chillers for commercial and industrial applications. Opteon™ XP30 is a nonflammable, azeotropic refrigerant suitable for new systems and retrofits that offers an optimal balance of properties, including high energy efficiency and environmental sustainability.

Applications

- Low pressure centrifugal chillers

Benefits

- Low GWP: 97% reduction compared to R-123*
- Excellent capacity and energy efficiency match to R-123
- Azeotrope with zero glide
- Nonflammable

*According to Assessment Report 5 (AR5)

Opteon™ XP30 Properties

| | |
|------------------------------------------------------|-----------------------------------------------------|
| ASHRAE Number | R-514A |
| Composition | HFO-1336mzz-Z/trans-1,2-dichloroethylene (t-DCE) |
| Weight % | 74.7/25.3 |
| Molecular Weight | 139.6 g/mole (139.6 lb/lb mole) |
| Boiling Point at 1 atm (101.3 kPa) | 29.1 °C (84.4 °F) |
| Critical Pressure | 3520 kPa [abs] (510.5 psia) |
| Liquid Density at 21.1 °C (70 °F) | 1322.2 kg/m ³ (82.5 lb/ft ³) |
| AR5 Global Warming Potential (CO ₂ = 1.0) | 2 |
| ASHRAE Safety Classification | B1 |
| Temperature Glide | 0 °R (0 K) |

For more information on the Opteon™ family of refrigerants, or other refrigerants products, visit opteon.com or call (800) 235-7882.

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own risk. Because conditions of use are outside our control, Chemours makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe, any patents or patent applications.

© 2016 The Chemours Company FC, LLC. Opteon™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

C-10864 (9/16)

