



DUPONT™ OPTEON®

REFRIGERANTS


DuPont has applied its leadership in science and technology to introduce its newest innovation in more environmentally sustainable refrigerants:

The Opteon® family of lower GWP refrigerants.





Opteon®
Refrigerants

A circular logo with a blue border. Inside, the word "LOW" is written in blue above the word "GWP" in blue.

The Opteon® Family of Lower
GWP Refrigerants

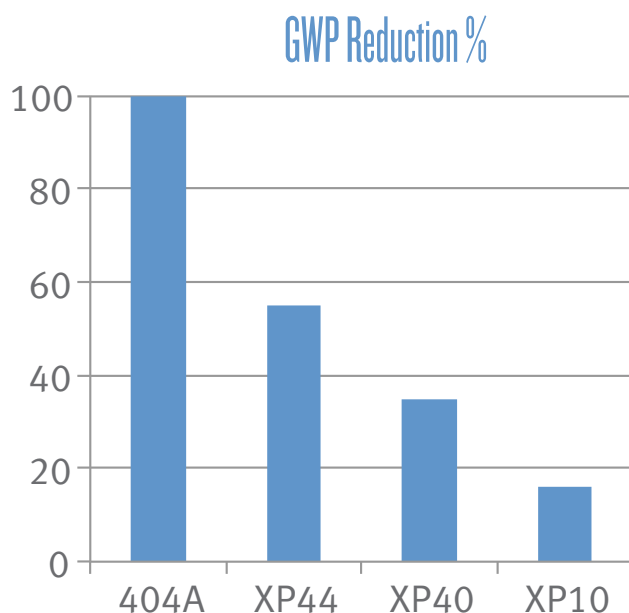
The optimal balance of performance,
environmental sustainability, safety
and cost for air conditioning and
refrigeration applications

**85 YEARS OF REFRIGERANT EXPERIENCE
SOLUTIONS FOR TODAY AND TOMORROW**





Opteon® Low GWP Replacements



GWP = AR4

Opteon® XP40 (R-449A)

- HFO/HFC blend with GWP = 1397; 64% reduction over R-404A
- Close performance match to R-404A
- A1 Non-flammable; for retrofit and new systems
- Best choice to replace 404A for stationary refrigeration systems

Opteon® XP44 (R-452A)

- HFO/HFC blend with GWP = 2141; 45% reduction vs R-404A
- Close performance match to R-404A; for retrofit and new systems
- A1 non-flammable; ideal for use in transport refrigeration
- For use where lowest discharge temperatures are required

Opteon® XP10 (R-513A)

- HFO/HFC blend with GWP = 631; 84% reduction vs R-404A
- Close performance match to R-134a; for retrofit and new systems
- Lowest GWP A1 non-flammable to replace 134a in stationary systems

Opteon® Refrigerants

Optimal Balance of Properties

OPTeon® REFRIGERANTS

		Non-flammable		Mildly Flammable	
Current	GWP*	Name	GWP*	Name	GWP*
R-134a	1300 (1430)	XP10 (R-513A)	573 (631)	YF (R-1234yf)	1 (4)
		DR-14	415 (413)		
R-404A	3943 (3902)	XP40 (R-449A)	1282 (1397)	DR-7 (XL40)	244 (246)
		XP44 (R-452A)	1946 (2141)		
R-410A	2088			DR-5A (XL41)	461 (460)
R-22 (AC)	1760 (1810)	DR-93	1128 (1230)	DR-3	146 (148)
R-22 (Refrig)		XP40 (R-449A)	1282 (1397)		
R-123	79 (77)	DR-40A	166 (204)		

* GWP = AR5 (AR4 or best publicly available)

“DR” = pre-commercial



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For more information on the DuPont™ Opteon® family of refrigerants, or other DuPont Refrigerants products, visit opteon.com

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