



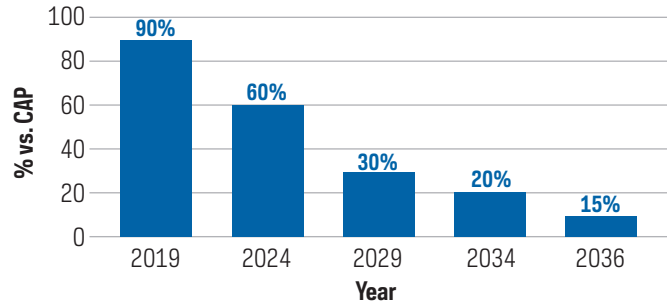
# Opteon™ Refrigerants

## Summary of Environment and Climate Change Canada Regulations Pertaining to Refrigerants

On Wednesday Oct 18, 2017, Environment and Climate Change Canada published amendments to the ODSHAR regulations. These amendments will come into force on April 16, 2018. These regulations will adopt a phasedown, but NOT A PHASEOUT, of hydrofluorocarbons (HFCs) in alignment with the United Nations Kigali Amendment to the Montreal Protocol. The regulations also contain product-specific controls by end use that apply to new equipment only.

No specific HFC is being phased out.

### HFC Phasedown



Base is determined from the average imports of HFCs plus 15% of HCFCs in 2011, 2012, and 2013.

### Product-Specific Controls

End Use	Application	Date	GWP Limit of Refrigerant
<b>Stand-alone, medium-temperature refrigeration system:</b> Self-contained refrigeration system with components that are integrated within its structure and designed to maintain an internal temperature of $\geq 0$ °C	(a) Commercial or industrial	January 1, 2020	1400
	(b) Residential	January 1, 2025	150
<b>Stand-alone, low-temperature refrigeration system:</b> Self-contained refrigeration system with components that are integrated within its structure and designed to maintain an internal temperature $< 0$ °C, but $> -50$ °C	(a) Commercial or industrial	January 1, 2020	1500
	(b) Residential	January 1, 2025	150
<b>Centralized refrigeration system:</b> Refrigeration system with a cooling evaporator in the refrigerated space connected to a compressor rack located in a machinery room and a condenser located outdoors and designed to maintain an internal temperature at $\geq 50$ °C	Commercial or industrial	January 1, 2020	2200
<b>Condensing units:</b> Refrigeration system with a cooling evaporator in the refrigerated space connected to a compressor and condenser unit that are located in a different location and designed to maintain an internal temperature at $\geq -50$ °C	Commercial or industrial	January 1, 2020	2200
<b>Chiller:</b> Refrigeration or air-conditioning system that has a compressor, evaporator, and secondary coolant other than an adsorption chiller	Commercial or industrial	January 1, 2025	750
<b>Mobile refrigeration system:</b> Refrigeration system that is normally attached to or installed in or operates in or with means of transportation	Commercial or industrial	January 1, 2025	2200

Existing equipment, service, and retrofit will not be impacted by the product-specific controls.

## Are You Prepared?

- Evaluate your plan for new equipment against the timelines outlined in the above regulations.
- Evaluate your plan for remodel and retrofit, and transition to Opteon™ low global warming potential refrigerants to improve energy efficiency and reduce the impact of CAP and the reduction on you
- Visit [Opteon.com](http://Opteon.com) for more information on HFC replacement options.

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

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C-11557 (1/18)