

Refrigerant Management Program

Refrigerants Regulated

Refrigerants regulated under the Refrigerant Management Program include any refrigerant that is an ozone depleting substance as defined in [Title 40 of the Code of Federal Regulation, Part 82](#), or any compound with a global warming potential (GWP) value equal to or greater than 150. The table below summarizes common high-GWP refrigerants regulated under the Refrigerant Management Program (highlighted in yellow) as well as alternative substitute refrigerants that are not regulated under the Refrigerant Management Program. The table only provides common refrigerants; it does not list all possible refrigerants that are regulated under the Refrigerant Management Program or all possible alternatives to these refrigerants.

Common Refrigerants Regulated Under the Refrigerant Management Program and Non High-GWP Refrigerant Alternatives				
Refrigerant Designation	Refrigerant Name	Common Refrigerant Applications	Ozone Depleting Potential	Global Warming Potential
Chlorofluorocarbons (CFCs)				
R-11	CFC-11	Chillers	1	3,800
R-12	CFC-12	Chillers and Refrigeration Systems	1	8,100
R-114	CFC-114	Chillers	1	10,000
R-500	CFC-500	Chillers	0.74	8,100
R-502	CFC-502*	Low Temperature Refrigeration Systems	0.25	4,700
Hydrochloroflourocarbons (HCFCs)				
HCFC-22	HCFC-22	Chillers, Refrigeration Systems, and Air-conditioning Systems	0.05	1,500
HCFC-123	HCFC-123	Chillers	0.02	90
Hydroflourocarbonc (HFCs)				

R-23	HFC-23	Low Temperature Refrigeration Systems	0	11,700
R-125	HFC-125	Used in Refrigerant Blends	0	2,800
R-134a	HFC-134a	Chillers, Refrigeration Systems, and Air-conditioning Systems	0	1,300
R-143a	HFC-143a	Used in Refrigerant Blends	0	3,800
R-245fa	HFC-245fa	Chillers and Insulating Foams	0	1,030
R-404a	HFC-404a	Low Temperature Systems	0	3,900
R-407c	HFC-407c	Chillers, Refrigeration Systems, and Air-conditioning Systems	0	1,800
R-410a	HFC-410a	Air-conditioning Systems	0	2,100
R-507a	HFC-507a	Low Temperature Refrigeration Systems	0	4,000

Non high-GWP refrigerant alternatives not subject to the rule

R-152a	HFC-152a	Used in Refrigerant Blends	0	124
R-744	CO2 (Carbon Dioxide)	Refrigeration Systems	0	1
R-717	NH3 (Ammonia)	Commercial and Industrial Refrigeration Systems	0	0

* CFC/HCFC Blend