

HCFC GLOBAL PHASEOUT UPDATE

A Summary Of Global Plans

The following is a summary of accelerated phaseout plans that meet the Montreal Protocol schedule. Some areas have accelerated the phaseout schedule.

Revised Montreal Protocol – Developed Countries

$CAP = HCFC_{1989} + 2.8\% \text{ of } CFC_{1989}$

CAP level is based on 1989 consumption levels

- ◆ Phase Out Schedule
 - In 1996 CAP level was frozen.
 - By 2004, 35% reduction from the frozen CAP level.
 - By 2010, 65% reduction from the frozen CAP level.
 - By 2015, 90% reduction from the frozen CAP level.
 - By 2020, 99.5% reduction from the frozen CAP level, **Service only.**
 - By 2030, 100% reduction from the frozen CAP level.
- ◆ 2020-2030: HCFC will be phased out with a 0.5% service tail.

Montreal Protocol – Developing Countries

- ◆ HCFC Controls
 - By 2016, HCFC consumption, will be frozen at 2015 levels.
 - By 2040, Total CFC will be phased out.

US Clean Air Act – HCFC Phase Out Schedule

In 1996	For all HCFCs	CAP level was frozen
By 2003	HCFC 141b	Not allowed to use for production and consumption
By 2010	HCFC 22/142b	Not allowed to use for production and consumption. From 1 st Jan 2000, Virgin Chemical is not allowed to used in newly manufactured equipment.
By 2015	Other HCFCs	Not allowed to use for production and consumption. From 1 st Jan 2010, Virgin Chemical is not allowed to use in newly manufactured equipment.
By 2020	HCFC 22/142b	Not allowed to use for production and consumption
By 2030	All HCFCs	Not allowed to use for production and consumption

Current European Union Reduction Schedule for HCFCs

CAP = HCFC₁₉₈₉ + 2.6% of CFC₁₉₈₉

CAP level is based on 1989 consumption levels

◆ Phase Out Schedule

- In 1996 CAP level was frozen.
- By 2004, 35% reduction from the frozen CAP level.
- By 2007, 60% reduction from the frozen CAP level.
- By 2010, 80% reduction from the frozen CAP level.
- By 2013, 95% reduction from the frozen CAP level.
- By 2015, 100% reduction from the frozen CAP level.

From 1 January, 2000, HCFCs should be used as refrigerants in equipment, with capacity 150Kw (200 tones) and over with shaft input, which is produced after 31st December, 1999.