

THE LINDE GROUP

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Koudemiddelenstromen in relatie tot de HCFC-uitfasering

Rotterdam, december 2009

Inhoud

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Korte introductie spreker

1. Uitgangspunten HCFK-uitfasering
2. Koudemiddelenstromen in Nederland

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1. Uitgangspunten HCFC-uitfasering



1. Uitgangspunten HCFK-uitfasering



Verondersteld wordt bekend te zijn dat:

- de impact voornamelijk R-22 installatie betreft,
- de toepassing en verhandeling van virgin material R-22 na 31 december 2009 verboden is,
- vanaf 1 januari 2010 resterende volumes virgin material R-22 enkel nog ter verwerking kunnen worden aangeboden bij een erkend afvalstoffenverwerker,
- tot 1 januari 2014 toepassing van gerecyclede en geregenereerde R-22 is toegestaan,
- er verschillen zijn in de definitie van en omgang met recycling en regeneratie,
- EU verordening 2037/2000 per 31 oktober jl. is vervangen door 1005/2009

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2. Koudemiddelenstromen in Nederland



2. Koudemiddelenstromen in Nederland



Ontwikkelingen in de afzet van koudemiddelen:

- Nationaal Onderzoek Koudemiddelenstromen 1999 (Novem, 2001)
- Handelsstromenonderzoek 2007 (PwC, 2008)
- Eigen statistieken Linde Gas

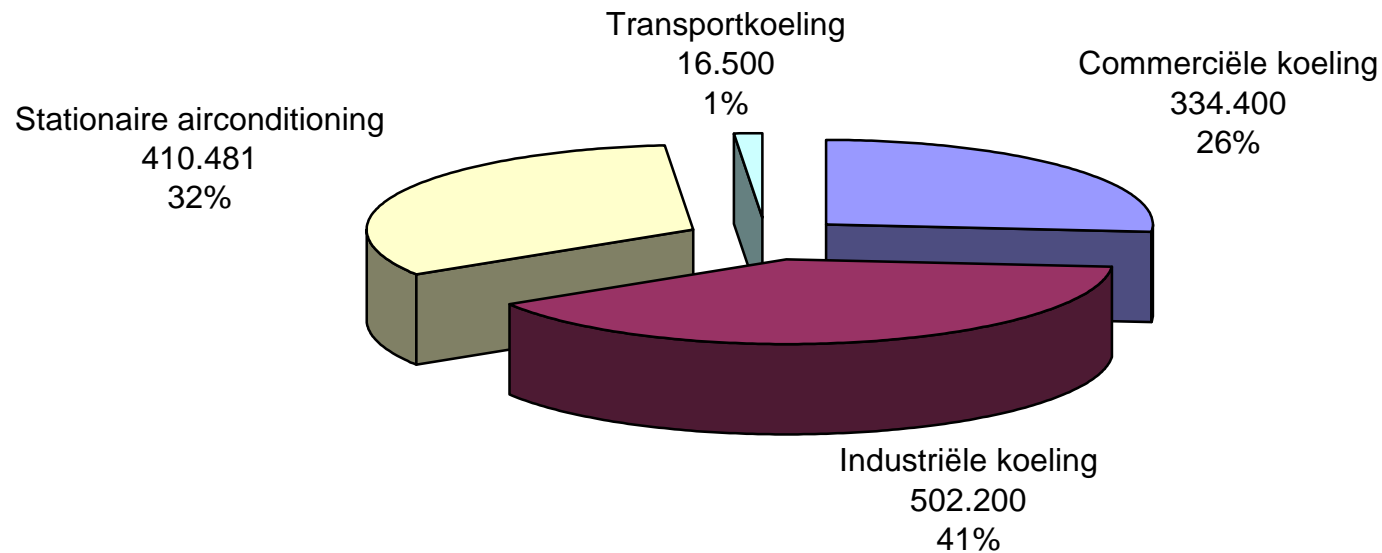
Landelijke cijfers over de inname en verwerking van koudemiddelen ontbreken

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Verdeling koelinstallaties naar toepassing
in Nederland, 1999

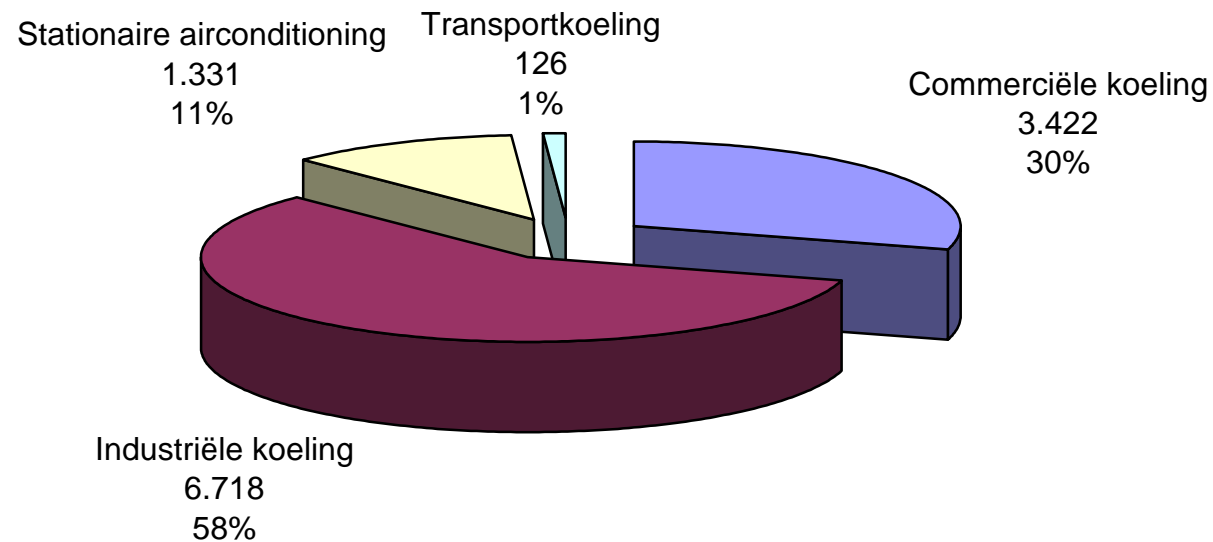


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Verdeling koudemiddelen inhoud (in tonnen) naar toepassing in Nederland, 1999

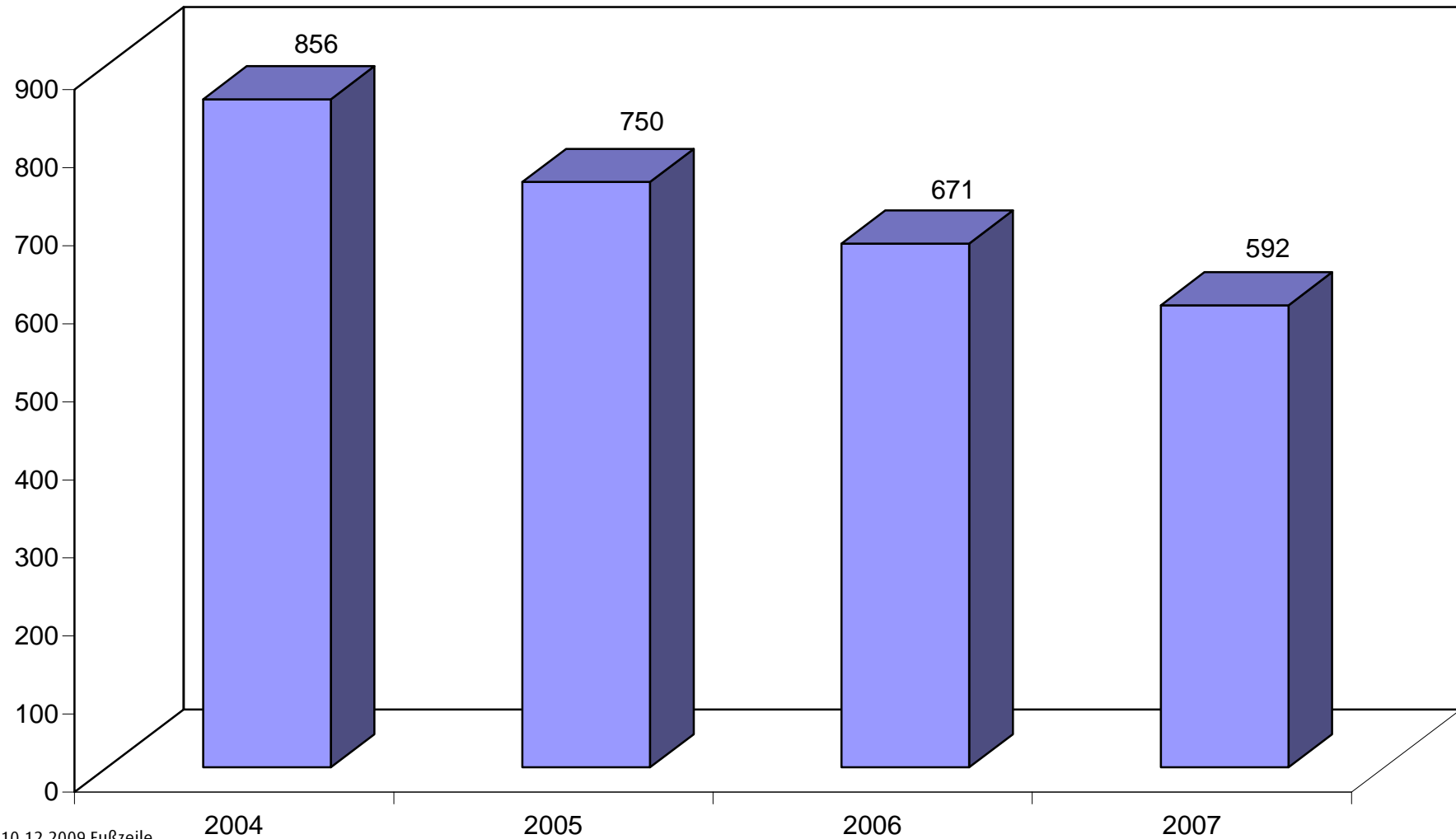


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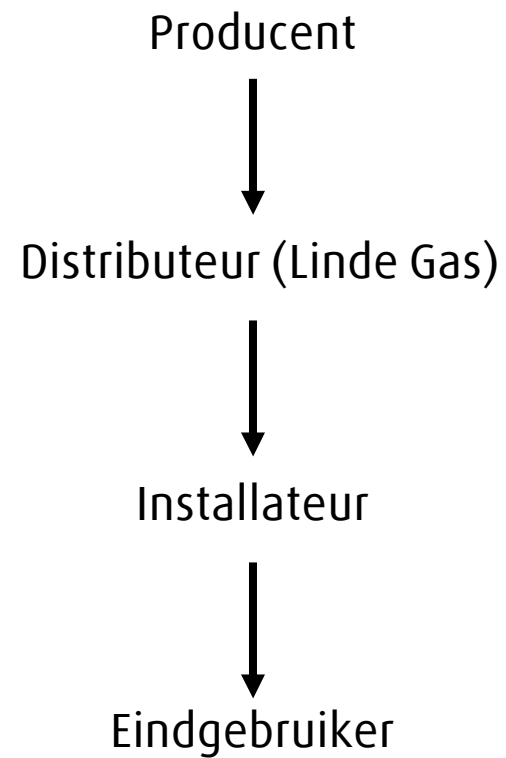
Afzet koudemiddel R-22 (in tonnen) in Nederland



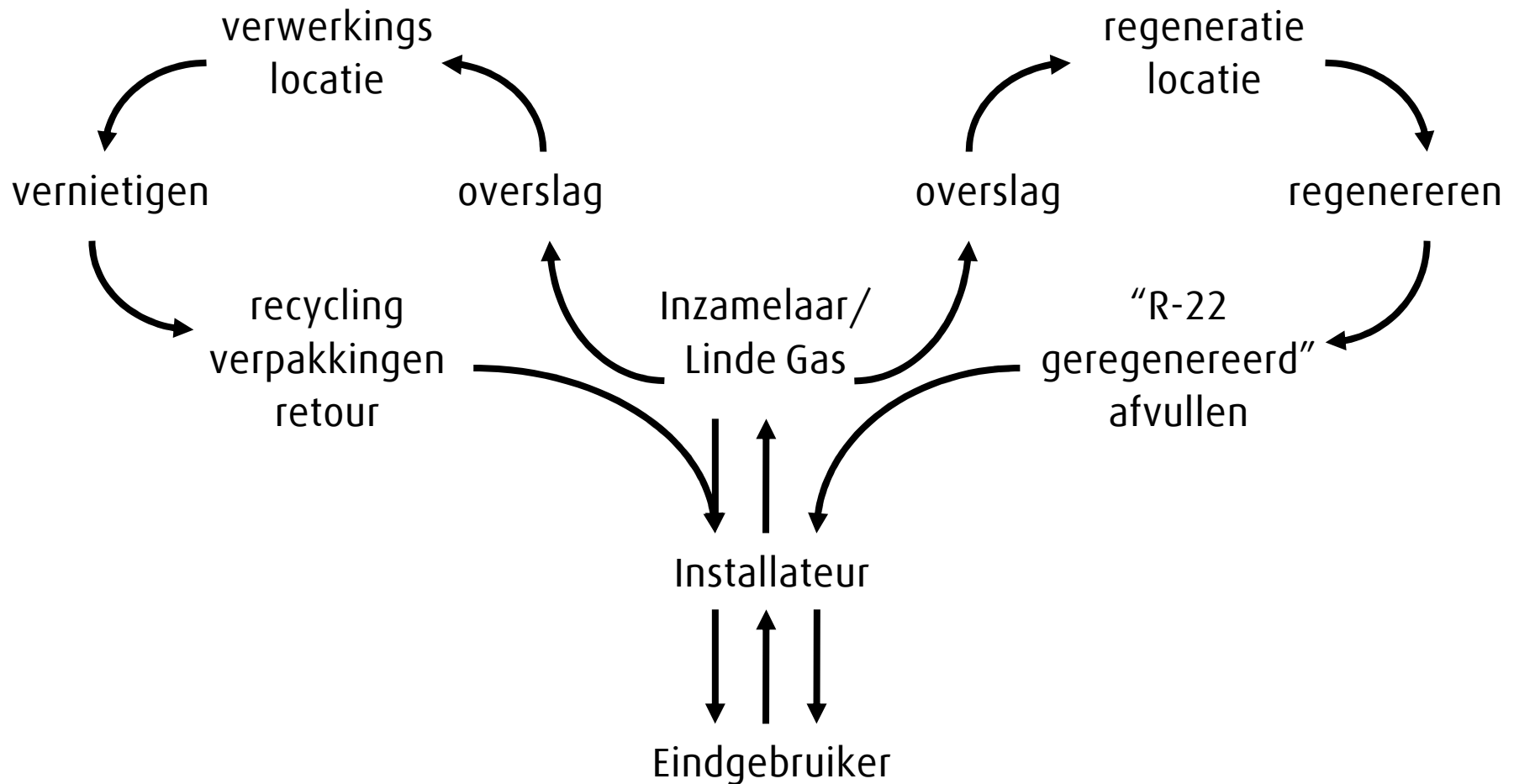
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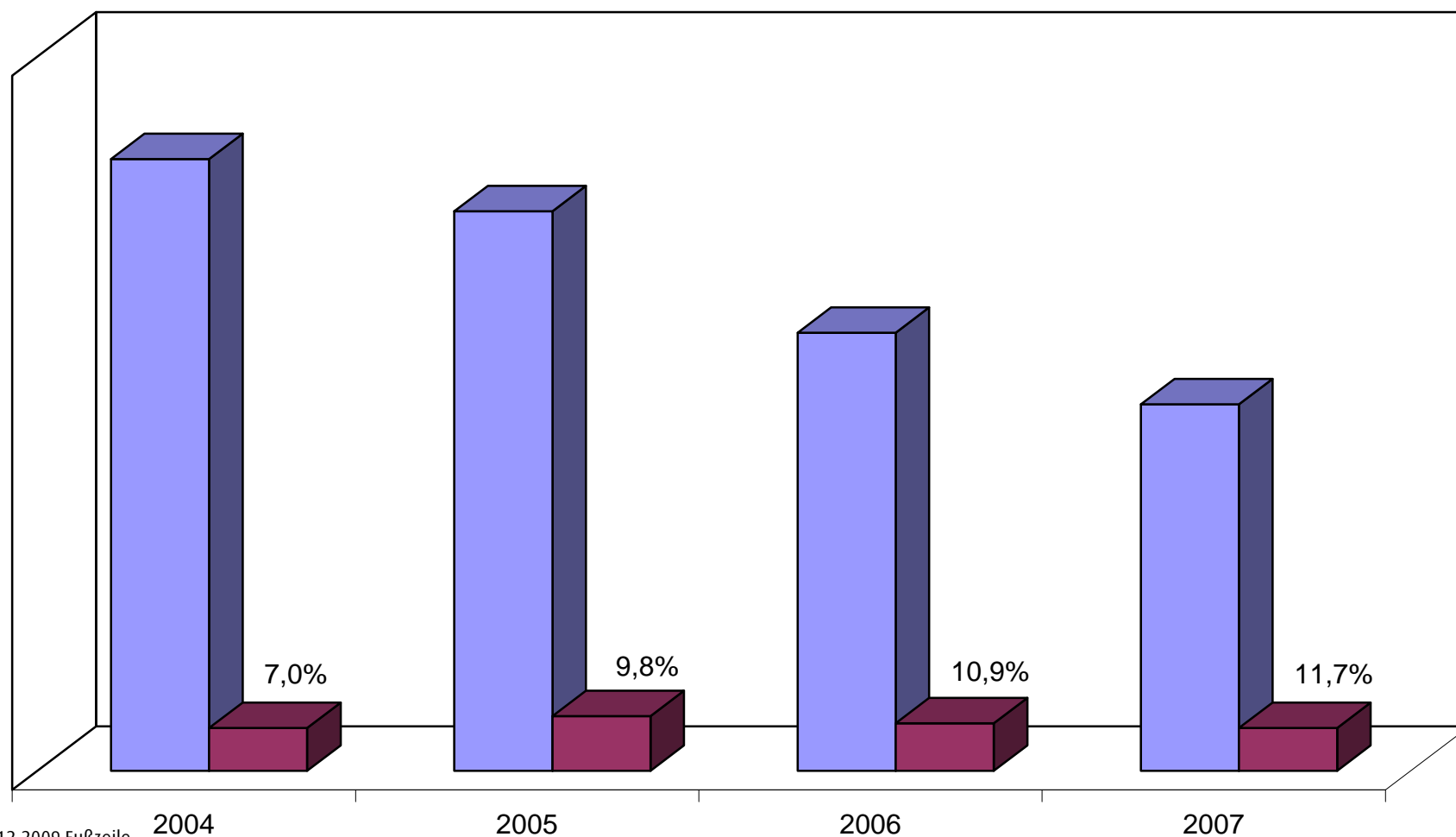


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Verhouding van de inname van regenerereerbare R-22
ten opzichte van de afzet van virgin material R-22 (bij Linde Gas Benelux)



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Reclaim R22 levels still very low in UK

The latest market survey by the British Refrigeration Association has, for the first time, collected information on the levels of R22 being recovered and then either sent for destruction or reclaimed back to a specification suitable for reuse.

The survey, which was compiled from data submitted by all of the major refrigerant distributors, shows the following results:

- 30,8 % in NL

- 1) The quantity of virgin R22 sold in 2007 was close to 30% less than that sold in 2004 - this reflects those in the industry that have chosen to move away from Hcfc's in good time.
- 2) The amount of virgin R22 sold in 2007 was still over 1900 tonnes, all of it used to service existing R22 systems. The BRA and its members encourage the responsible use of refrigerants via a number of routes and are urging industry to improve system tightness (as required in the F-Gas regulations) and reduce the levels of leakage to the minimum.
- 3) R22 reclaimed in 2007 was just over 200 tonnes or approximately 12% of the current demand.

11,7% voor Linde Gas

The amount of R22 returned for reclaim must increase dramatically if industry is to meet the likely demand post the ban from 1 January 2010. The BRA has published a Fact Finder that gives the various options available to reduce the dependence of industry on R22 and other Hcfc's.

(KS)

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Dank voor uw aandacht.

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