



Air pollution control methods
(to remove gaseous substances or vapours from waste gases)

Methods able to recover the substances	Methods without recovery of substances
<p>Condensation cooling or cryogenic (deep) cooling</p> <p>Adsorption /physical using solids (adsorbents) to collect adsorbate adsorbents: activated carbon, silica gel, zeolite</p> <p>Absorption /physical using liquids (absorbents) to dissolve substances</p> <p>Membrane techniques /Membrane technology gas separation membrane contactors (absorption)</p>	<p>Chemical treatment / Combustion Thermal or catalytic oxidation of the pollutants Incinerators / after-burners</p> <p>Biological treatment Biological treatment of the pollutants</p> <p>biofilter (bioabsorption) bioscrubber (combined with activated sludge) biotrickling</p>
	No_x treatment
	Chemical absorption
	Chemical adsorption