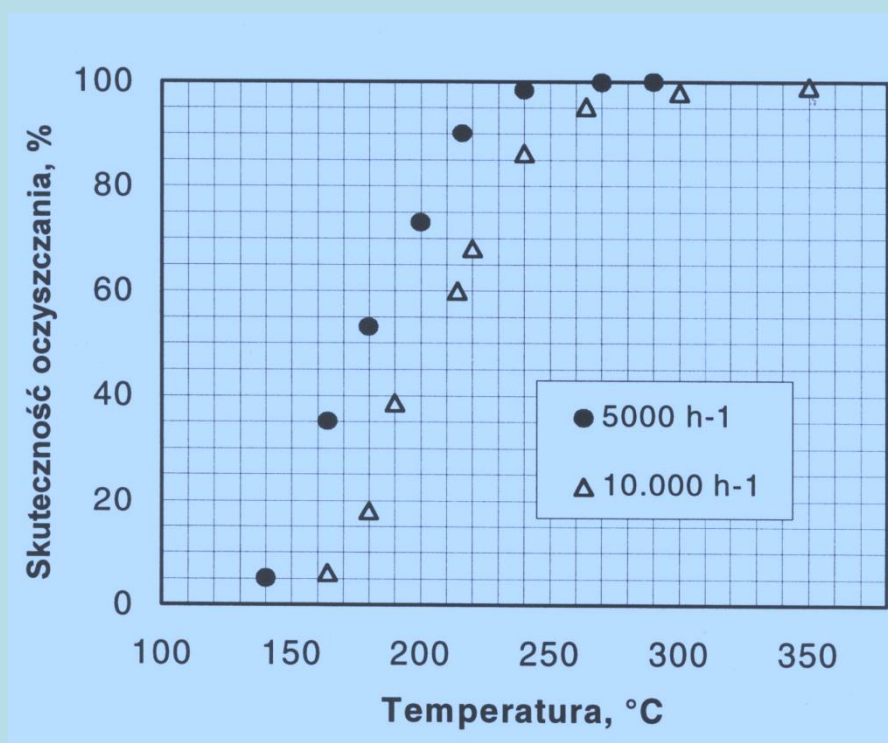


GA type Platinum Catalysts

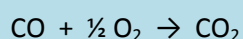
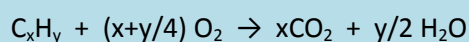
Ga type platinum catalysts are highly active catalysts used for elimination of organic compounds emitted to the atmosphere with the industrial exhaust gases. The efficiency of gas purification is confined within the limits 95 – 99% and depends on catalyst loading.

(Figure 1 – oxidation of toluene)

Platinum is deposited on active γ - Al_2O_3 balls. The working time of the catalyst increases with platinum content.



Volatile organic substances react with oxygen according to following reactions:



Application

Industrial processes, in which organic compounds are emitted to the atmosphere, for example: varnishing, printing, laminating, etc.

Attention: organic compounds should not contain chlorine, bromine, iodine, phosphorus or sulphur.

The choice of a catalyst to a given catalytic combustion installation depends on individual process conditions.

Technical data

- palatium content: 0,05 – 0,10% weight
- catalyst support: γ -Al₂O₃ balls of 4 – 8mm or 2 – 5mm diameter
- bulk density: 760 – 840kg/m³ lub 660 – 720kg/m³
- G.H.S.V: 5000 – 15000h⁻¹
- working temperature: 300 - 550°C depending on G.H.S.V.
- conversion of organic compounds: 95 – 99%
- maximum working temperature: 600°C
- guaranteed time of work: 2 years at least

Limitations

- Exhaust gases should not contain mechanical impurities settling on the surface of the catalyst balls like dust, aerosols, pigments, metal particles
- continuous work of the catalyst at the temperature over 600°C is not recommended

Warranty

- warranty is issued after obtaining the precise specification of All organic substances present In purifid gases

Terms of delivery

- time of delivery of a batch of the catalyst up to 2000 kg – 30 days after payment of 30% of the total price of the ordered catalyst
- orders with the specification of the payment conditions should be send to:

„KATALIZATOR” Ltd.

30 - 435 Krakow, ul. Torowa 3s

Tel/fax 12/4251743, 12/4251343

Tel.kom. +48 601 486 343

e-mail: katalizator@interia.pl

www.katalizator.net.pl