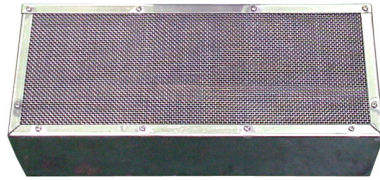
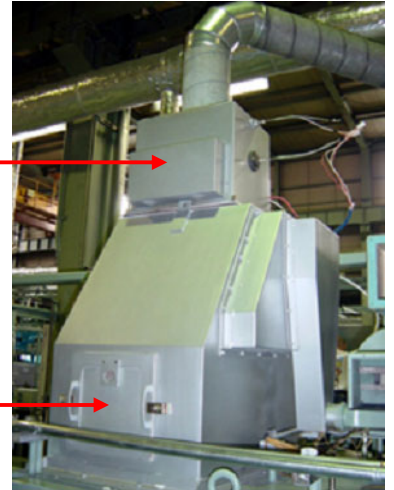


Model Primary catalyst unit



Secondary catalyst →

Primary catalyst →



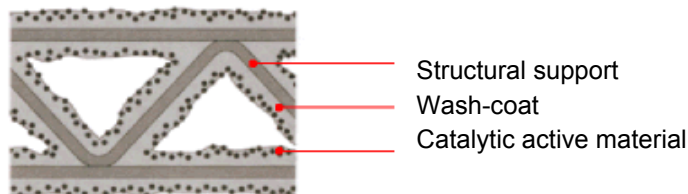
Description

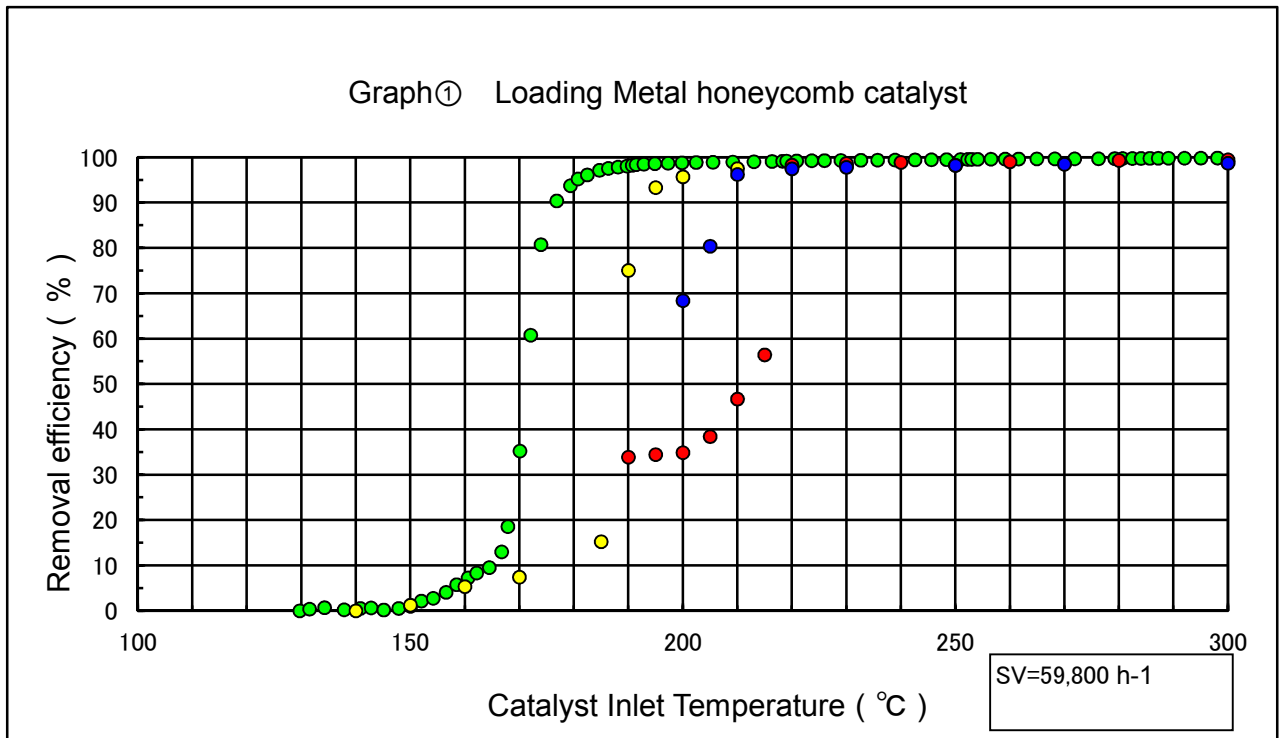
This Catalyst unit is to purify exhaust gas which is occurring while making enamel wire. Excellent purifying performances with very low pressure drop.

Specification

Model	Primary catalyst unit (using a cubic type metal honeycomb catalyst)
Material	Structural support : stainless steel wheel (Fe-20Cr-5Al) Wash-coat : γ -alumina (rare earth element of stable type) Catalytic active material: Pt
Dimensions	Differ depending upon models Catalyst cell density: 260 CPSI (cells per square inch)
Appropriate operating temperature	To obtain specified purification performance: min. 300°C To maintain specified catalyzing performance: below 800°C
Purification characteristics	Surface-supported type catalyst having very large surface area and highly active purifying performance due to the catalytic precious metals existing on catalytic surfaces. (See graph 1.)
Pressure loss	Use of 50 μ m-thin plate realizes a very small pressure loss. (See graph 2.)
Thermal conductivity and thermal capacity	Use of stainless steel structural support brings about high thermal conductivity and low thermal capacity, thus making it possible to achieve very quick temperature rise to the catalyst operating temperature.
Mechanical strength	Strong against vibration, heavy load, and physical and thermal shocks (caused by sudden change of temperature).
Maintenance	Cleaning with neutral detergent allows normal performance and long life to be maintained.

Enlarged cross-sectional view of metal honeycomb catalyst





Needful Catalyst inlet tem. (°C) for 99% purify	Toluene	Xylene	Cresol/Phenol	Xylenol
	2 2 0 °C	2 9 0 °C	2 7 0 °C	3 0 0 °C

