



[www.advancedcatalyst.com](http://www.advancedcatalyst.com)

Advanced Catalyst System's ADVOCAT™ CO Catalyst oxidizes carbon monoxide and hydrocarbons to carbon dioxide. Our technique of maximizing surface exposure of the precious metals on the substrate results in a high activity catalyst that is both durable and efficient. All ACS products and processes are a result of continuous process improvement over the past 32 years.

## FEATURES & BENEFITS

- Low pressure drop
- Wide operating temperature range
- Easily cleaned and reactivated
- No nesting or telescoping design
- Variety of cell densities
- Parallel flow reduces plugging
- Custom designed based on application
- Test cores for aging assessment

## STATIONARY EMISSION SOURCES

- Gas Turbines
- IC Engines
- Boilers
- Chemical Processes

## FUELS

- Natural Gas
- Diesel
- LPG
- Propane
- Biodiesel
- Dual Fuel

# ADVOCAT™ CO Catalyst

## HISTORY

Advanced Catalyst Systems (ACS) recently celebrated our 30th anniversary of providing quality catalyst products for the pollution control of carbon monoxide (CO) and hydrocarbons (VOC). Our catalyst products are developed and manufactured under the direction of Dr. Larry Campbell who has over 45 years experience and 33 patents in the catalysis industry. ACS has hundreds of CO and VOC catalyst installations that provide destruction efficiency, durability and longevity unparalleled in the industry.



## MANUFACTURING

ACS maintains the highest quality control measures available in the industry. We are one of the only catalyst manufacturers with metal fabrication capabilities. This capability gives us complete quality control for every aspect of catalyst manufacture - from raw materials to finished product. Process quality controls include:

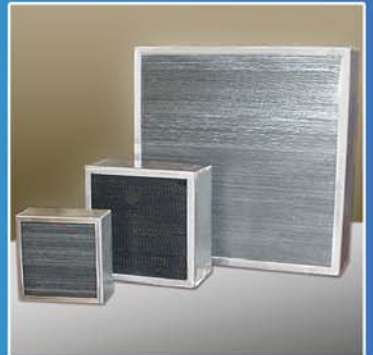
- Weigh and record substrates before and after each wash and catalyst coating
- 100% inspection
- Testing of each catalyst coating before application



## PRODUCT DATA

### ACS CO & VOC Oxidation Catalyst Technical Data

<b>Destruction Efficiencies</b>	>99%
<b>Catalyst Substrate</b>	Metal Honeycombs up to 48" square, round, or oblong. Cell Densities from 20 cpsi to 700 cpsi Catalyst module depth from 3/4" up to 6"
<b>Pressure Drop</b>	Variable; quoted per specifications
<b>Working Range</b>	From 150 °F up to 1250 °F



## APPLICATIONS

ACS offers CO catalyst for a wide range of custom and OEM applications. We specialize in gas turbine and internal combustion engine applications utilizing liquid or gaseous fuels. Our catalyst comes with a standard three year warranty that can be increased to five years, if customer specified.

In addition to providing catalyst, ACS also provides:

- Catalyst efficiency testing
- Catalyst rejuvenation
- Catalyst frames and housings



## CONTACT INFORMATION

Let us provide you with a customized quotation for your application.

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