



ACS Material Equipment Series

Catalyst Atmosphere Calcination Activator

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Product Overview

More than heat addresses the pain points for users in the process of atmospheric roasting/activation in the catalyst field, such as inconvenient sample loading and transfer, inconsistent particle treatment in different positions, poor repeatability of different batches, powder splashing, products/solvents not being discharged in time, pipe wall pollution and cleaning, inconvenient operation, space occupation, and more. The catalyst atmosphere roasting/activation unit will deliver improved processing performance and operational experience. Precious and vital catalysts deserve the use of superior equipment.



Product Features

- Exquisite quartz tube and sample cell designed innovatively.
- Aiming at the requirement of atmospheric roasting or activation of granular catalyst (0.1-10mL).
- Convenient filling and transfer of trace catalyst particles
- Can ensure that the atmosphere passes through particles at different positions uniformly, and the treatment is more uniform and repeatable.
- Ultra-stable temperature drift-below 2.8℃ for 25 weeks
- The life expectancy of the probe is as high as 10 times that of similar competitive products.
- The unique integral fluid guide rod design brings stable flow control and maintenance.
- Solid, transparent, and shatterproof polycarbonate integrated molding.
- Intelligent multi-stage program temperature control, temperature control accuracy 1℃.
- Integrates the functions of measurement, display, alarm, recording and historical curve.

Product Specifications

Product Name	Catalyst Atmosphere Calcination Activator
SKU#	EACA0101
*Design Volume	10 mL
Maximum Temperature	300℃
Heating Power	1 KW
Mode of Heating	Embedded Stainless Steel Heating Module
Rate of Agitation	400-1400 rpm (stepless speed regulation)
Mixing Mode	Internal magneton stirring
Design Pressure	Standard 207bar (optional)
Material of Kettle Body	316L stainless steel, Hastelloy C-276, etc. (optional)
Intelligent Micro-Reactor Control	Temperature, speed, and pressure control with USB communication interface.
Personalized Option	Variety of alloy materials, stirring forms, sampling, cooling, condensation reflux, catalyst basket and other optional configurations.
Adaptive Power Supply	AC220V 50/60HZ
Outline Dimension	25/50/100mL: 410*360*500mm

*Also available in volumes: 25mL, 50mL, 100mL, 1000mL.

Vertical Tube Furnace Selection Table		
Diameter	Φ8 mm	About 10ml of catalyst
	Φ40 mm	
	Φ50 mm	
	(customized)	

Application Fields

The Catalyst Atmosphere Calcination Activator is widely used in petroleum, chemical industry, food, medicine, pesticide, scientific research, and other industries, it is the chemical process of polymerization, condensation, vulcanization, alkylation, hydrogenation and so on.

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