



48⁺ Years
Of experience

PILOT SPRAY DRYER



ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions

WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.



Enhance the value of customer operation through our customer need centric engineering solution.



TRUSTED PARTNERS





Pilot Spray Dryer

Pilot spray dryers represent a critical facet of industrial processes, facilitating the transformation of liquid feedstock into dry powder with precision and efficiency. At the core of their operation lies the fundamental principle of spray drying, where a liquid substance is atomized into fine droplets and rapidly dried to yield a powdered form.

Comprising essential components such as the atomization system, drying chamber, air supply mechanism, and product collection unit, these devices orchestrate a synchronized dance of processes. In the food industry, pilot spray dryers find application in the production of powdered substances like coffee, dairy products, and fruit extracts, enhancing shelf life and solubility. The pharmaceutical sector benefits from this technology as well, employing it to create dry powder formulations of medications, thereby improving bioavailability and ease of handling.

Beyond that, in the realms of chemicals and materials, pilot spray dryers contribute to the production of uniform particles with tailored properties, impacting industries ranging from pigments to advanced materials. As the intricacies of feedstock characteristics, process parameters, and scale-up challenges are navigated, the pilot spray dryer emerges as a versatile and indispensable tool, continually shaping the landscape of diverse manufacturing processes.

Features

- Ease of Cleaning and Maintenance
- Product Collection System
- Atomization System
- Scale-Up Capabilities
- Versatility in Feedstock Handling
- Drying Chamber Design
- Process Monitoring and Control
- Safety Features
- Data Logging and Reporting
- Air Supply and Temperature Control

Application

- Medicine Formulations
- Food Industry
- Chemicals and Materials
- Dairy Products
- Nutraceuticals
- Coffee and Tea
- Chemical Compounds
- Pharmaceuticals
- Biotechnology
- Dye Powders
- Flavor Encapsulation
- Enzymes and Probiotics



Technical Specification

Minimum Order Quantity	1 Piece
Capacity	5 kg/hr to 60 kg/hr
Design	Customized
Material	S.S
Max Temperature	400 Deg C (Variable & Settable)
Automatic Grade	Semi-Automatic
Condition	New
Type	Nozzle Type / Atomizer Type
Power Source	Electrical
Power Supply	Three Phase, 440VAC, 50 Hz
Spray System	Two Fluid Spray Nozzle
Feed Pump	Feed Pump
Heater	Electrical Heater
Usage/Application	Food, Pharma, Chemical, Clays, Dyestuff, Leather, Pigment, Polymer, Textile





THANK YOU

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