

HOT AIR GENERATOR FOR DRYERS



In Association with SVCH-Technologii, Moscow (Russia)

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 Heating /cooling and drying products, manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



-  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



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



KERONE is devoteded to serve the industry to optimize its operations both economically and environmentally with its specialized heating and drying 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.

WHY CHOOSE US

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made heating solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique heating 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 provide our customers, unique and best in class products in Industrial heating drying and cooling segment with strategic tie-up for the technical know-how with renowned leader in the industry specific segment

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.

”



How Industrial Dryers Use Hot Air Generators

Many types of industrial dryers use an indirect fired or direct fired air heater for hot air generation. Which dryer/ air heater combination works best is decided by the wet material to be dried.

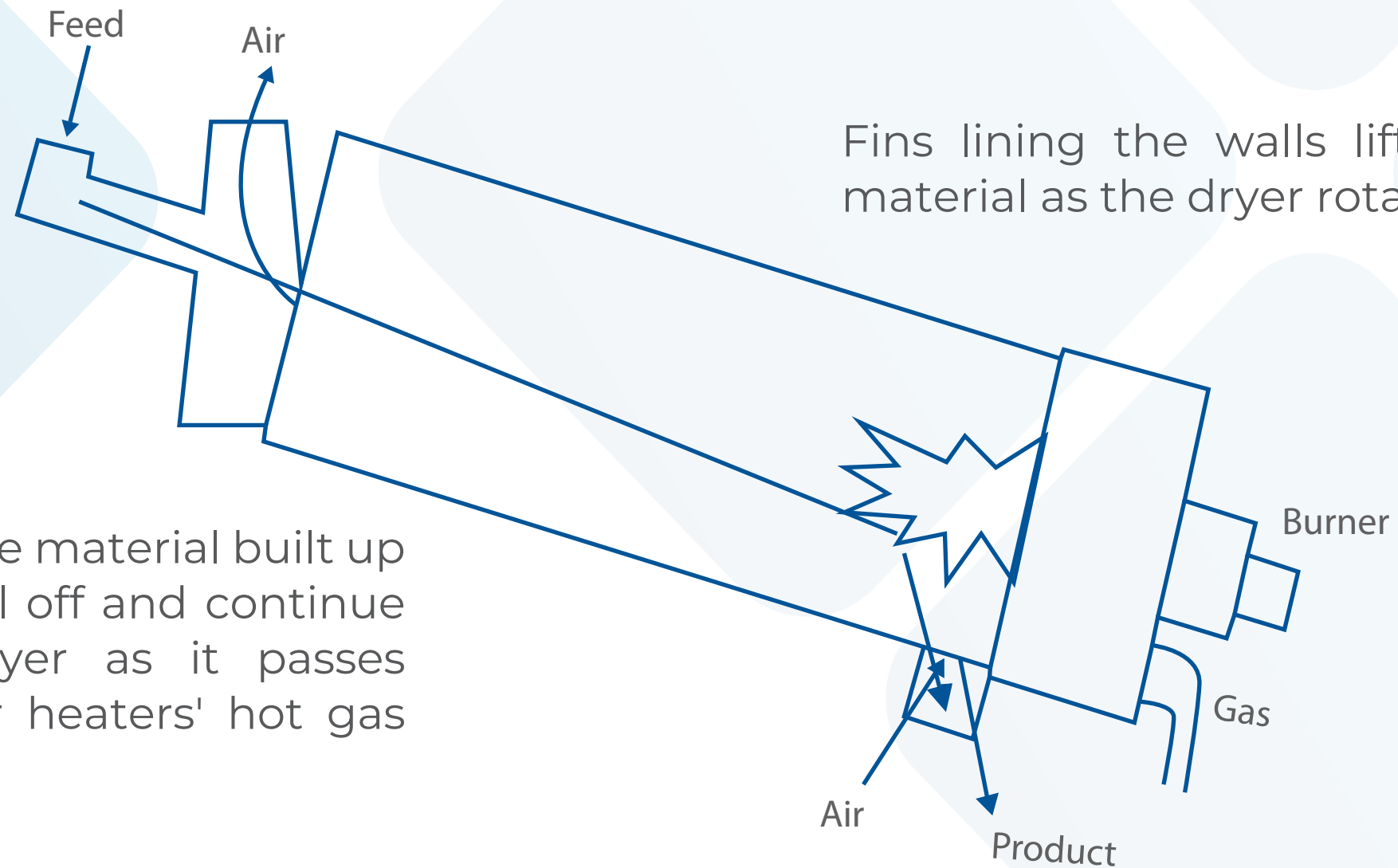
Industrial dryers utilize hot air generators to efficiently remove moisture from materials. The hot air generator produces heated air, which is then circulated through the drying chamber. This hot air absorbs moisture from the material, facilitating the drying process. The warm air helps to maintain a consistent temperature and airflow, ensuring even drying. By controlling factors like temperature and humidity, industrial dryers can optimize drying times and improve product quality. This method is commonly used in industries such as food processing, pharmaceuticals, and textiles, where precise moisture control is essential.

The Four Most Common Types of Industrial Dryers

- Rotary Dryers
- Pneumatic or Flash Dryers
- Spray Dryers
- Fluidized Bed Dryers

How Rotary Dryers work with Air Heaters

Material is fed into the dryer



Fins lining the walls lift the material as the dryer rotates

Gravity causes the material built up on the fins to fall off and continue through the dryer as it passes through the air heaters' hot gas stream

Some of the Industries Who Use Air Heaters With Rotary Dryers

Coffee Beans



Soil



Grains



Fertilizer



Wood



Coal



How Pneumatic or Flash Dryers Work With Industrial Air Heaters

- ▮ The material mixes with heated air as it is conveyed rapidly through a duct, drying in seconds.
- ▮ The dried material is separated by a cyclone after going through the drying column.

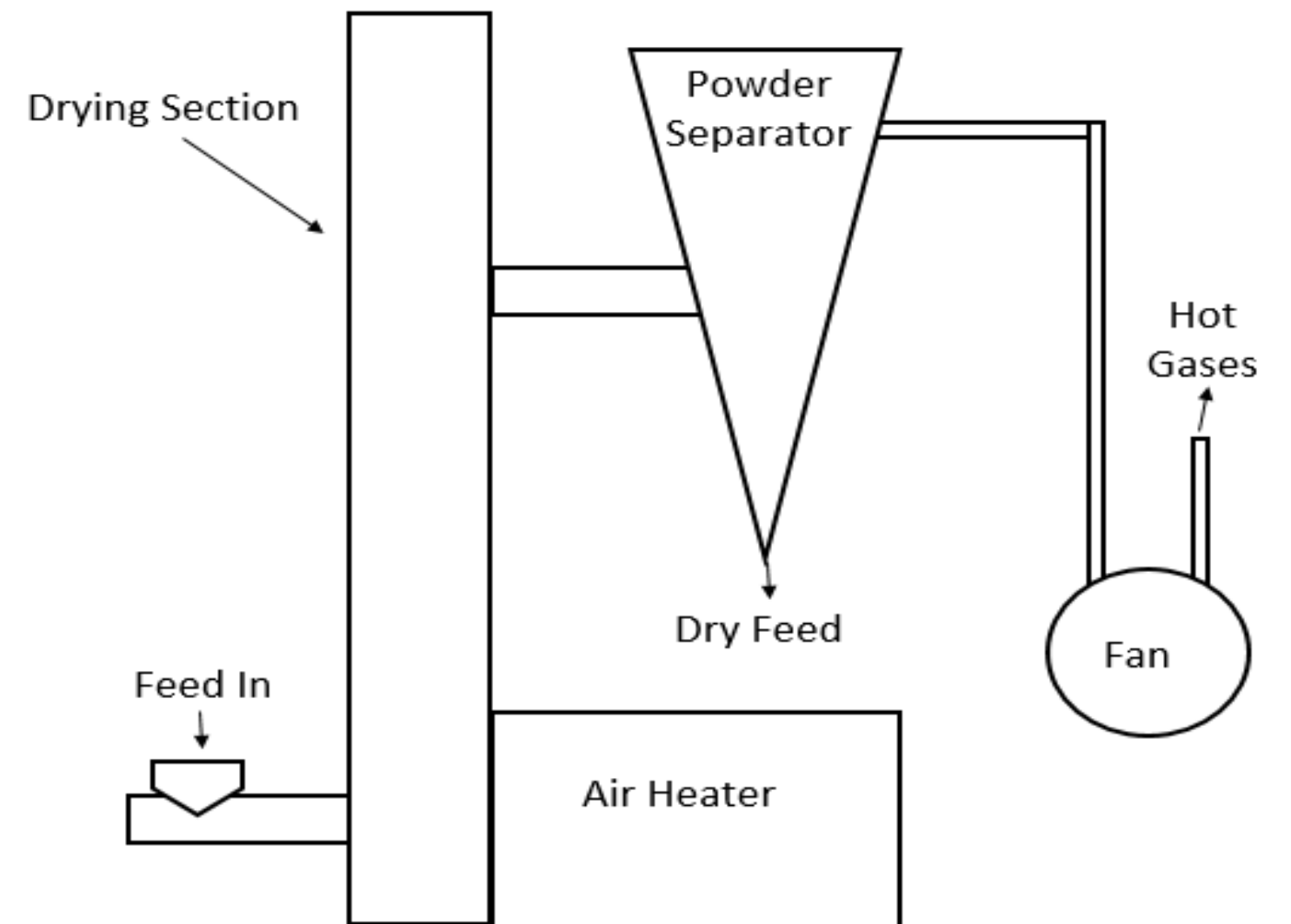
Some of the Industries Who Use Air Heaters With Pneumatic/Flash Dryers

- ▮ These dryers are best used when the feed is prone to quick drying.

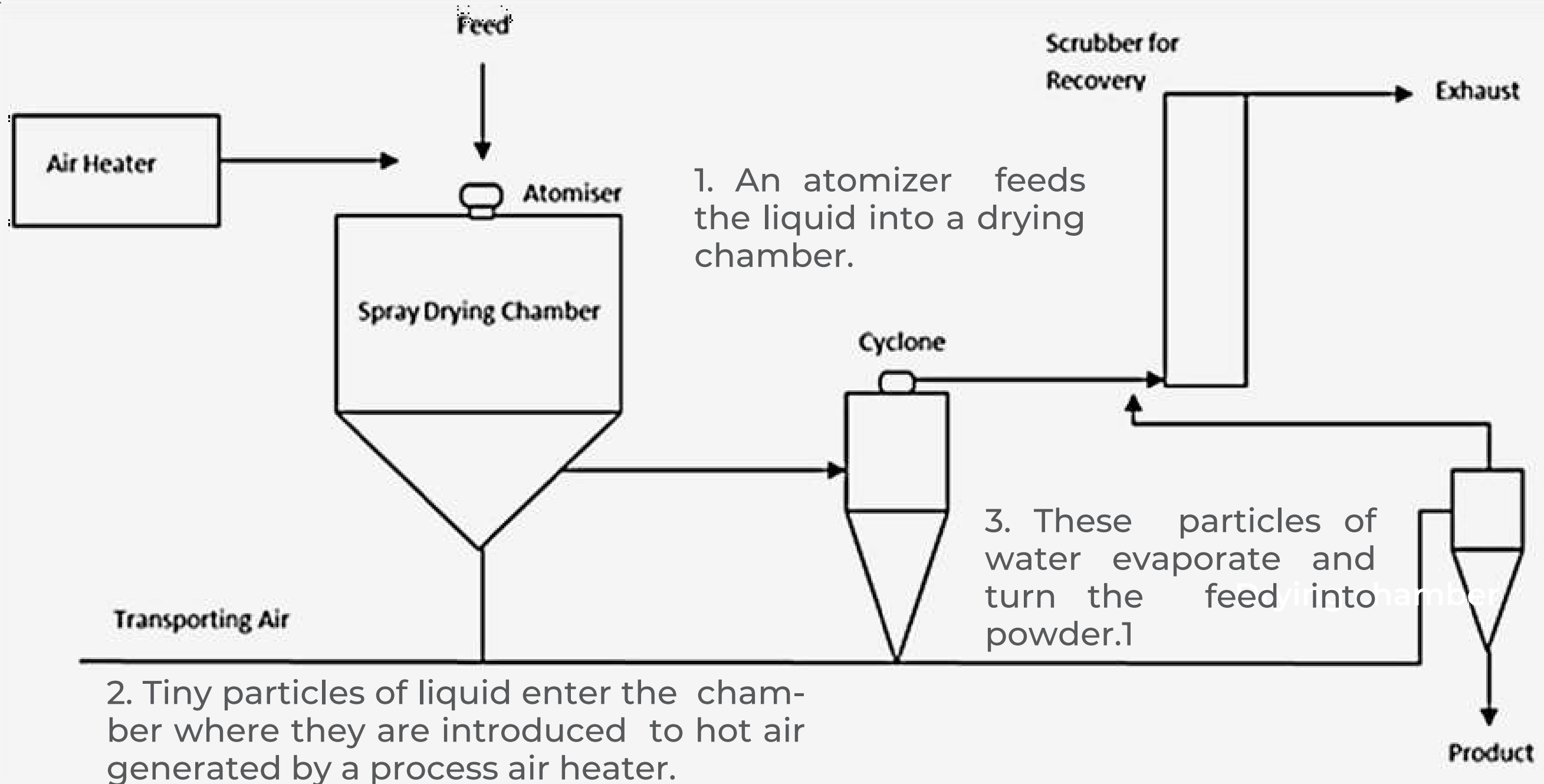
Pastes

Polymers

Filter Cakes



How Spray Dryers Work with Air Heaters



Some Items that Require Spray Drying

Insoluble Organic Dyes

Powdered Colors Inorganic

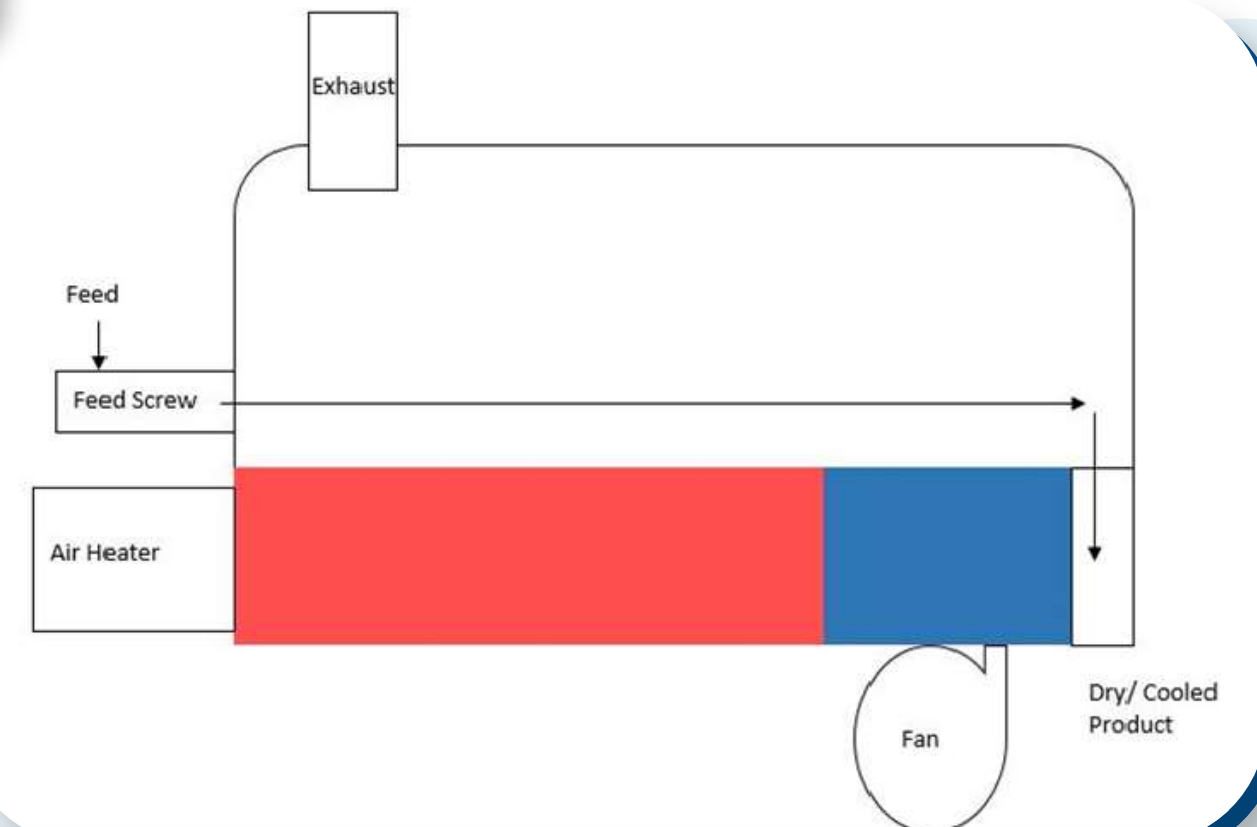
Chemicals Instant Mixes

How Fluid Bed Dryers Work with Air Heaters

- Once a process air heater generates the hot air, it passes through the bed of particles at a velocity high enough to cause the particles to be suspended and flow like a fluid.
- The product is then sent through the fluid bed while dust is sent to a filter through the exhaust.

Some Industries that Utilize Fluid Bed Dryers

- Clay
- Cement Biomass
- Powder Minerals
- Pigments & More



TRUSTED PARTNERS

AFCONS

Technip

TÜV

ISO 14001:2004

TOYO
ENGINEERING

EIL

LLOYD'S

ZEPPELIN
WE CREATE SOLUTIONS

Reliance
Engineering
Associates Pvt. Ltd.

TATA
TATA CONSULTING ENGINEERS LIMITED

SC Shroff Consultants

STERLING & WILSON

THANK YOU

UNIT I

📍 4 & 5, Marudhar Industrial Estate, Panchal Road, Opp. Syndicate Bank, Bhayander (E), Mumbai-401105. (India)

📞 Contact Us
+91-22 48255071, 48255072

UNIT II

📍 Kerone Engineering Solutions LTD., Plot No. B-47, Addl. Midc Anandnagar, Ambernath (E), Dist. Thane (India)- 421506

📞 Contact Us
+91(0251)2620542/43/44/45/46

✉ Our Mails

info@kerone.com

sales@kerone.com

marketing@kerone.com

🌐 Website

www.kerone.com

www.kerone.net

www.keroneindia.com



SCAN HERE

