

Thermal Treatment Air Filtration Market by Type (Thermal Oxidizer, Catalytic Oxidizer, Regenerative Thermal Oxidizer, Regenerative Catalytic Oxidizer), Application (Oil and Gas Industry, Automotive Industry, Chemical Industry, Coating and Printing Industry, Electronics Industry, Food and Pharmaceutical Industry), and Region 2024-2032

<https://marketpublishers.com/r/T136BAC140DBEN.html>

Date: April 2024

Pages: 137

Price: US\$ 3,899.00 (Single User License)

ID: T136BAC140DBEN

Abstracts

The global thermal treatment air filtration market size reached US\$ 2.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 3.2 Billion by 2032, exhibiting a growth rate (CAGR) of 4% during 2024-2032. Rapid industrialization, rising pollution levels, and the growing prevalence of diseases caused by polluted air represent some of the key factors driving the market.

Thermal treatment air filtration refers to a process of filtering exhaust gases by heating them at high temperatures in an oxidizing chamber to break the bond between polluting compounds. It helps in effectively removing a wide range of pollutants, such as volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and odors, and assists in refreshing industrial air streams, which reduces the chances of health diseases caused by indoor pollutants. It also ensures the safety of the workplace and minimizes health problems among employees dealing with hazardous chemicals and other pollutants. As it does not use chemicals or produce harmful byproducts, thermal treatment air filtration finds extensive applications in the oil and gas, automotive, chemical, coating and printing, electronics, food, and pharmaceutical industries across the globe.

Thermal Treatment Air Filtration Market Trends:

Rapid industrialization and the increasing industrial pollution represent one of the key

factors positively influencing the market across the globe. In addition, the rising prevalence of diseases caused due to polluted air, including asthma, chronic obstructive pulmonary disease (COPD), cardiovascular problems, lung cancer, stroke, and ischaemic heart disease, are catalyzing the demand for thermal treatment air filtration worldwide. Moreover, rising health concerns among people and the extensive need for reducing the emission of toxic contaminants, such as sulfur dioxide (SO₂), carbon monoxide (CO), carbon dioxide (CO₂), and particulate matter from the environment, are creating a favorable market outlook. Apart from this, the widespread adoption of thermal treatment air filtration systems in water and wastewater treatment for reducing contaminants and increasing the overall efficiency of the treatment process are bolstering the market growth. Additionally, governments of various countries are imposing stringent guidelines for controlling pollution levels in industries. They are also undertaking favorable initiatives for sustainable development, which is fueling the market growth. Furthermore, the integration of advanced technologies, such as artificial intelligence (AI), machine learning (ML), and the internet of things (IoT) with filtration systems to facilitate information in real time and streamline operations is creating a positive market outlook. In addition, extensive investments in research and development (R&D) activities for moisture control, air treatment, and optimization of energy are contributing to the market growth. Furthermore, the widespread adoption of thermal treatment air filtration in the automotive industry to improve air quality and create a safe working environment, which is stimulating the growth of the market around the world.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global thermal treatment air filtration market report, along with forecasts at the global, regional, and country level from 2024-2032. Our report has categorized the market based on type and application.

Type Insights:

Thermal Oxidizer

Catalytic Oxidizer

Regenerative Thermal Oxidizer

Regenerative Catalytic Oxidizer

The report has provided a detailed breakup and analysis of the thermal treatment air filtration market based on the type. This includes thermal oxidizer, catalytic oxidizer, regenerative thermal oxidizer, and regenerative catalytic oxidizer. According to the report, thermal oxidizer represented the largest segment.

Application Insights:

Oil and Gas Industry
Automotive Industry
Chemical Industry
Coating and Printing Industry
Electronics Industry
Food and Pharmaceutical Industry

A detailed breakup and analysis of the thermal treatment air filtration market based on the application has also been provided in the report. This includes oil and gas industry, automotive industry, chemical industry, coating and printing industry, electronics industry, and food and pharmaceutical industry. According to the report, oil and gas industry accounted for the largest market share.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for thermal treatment air filtration. Some of the factors driving the Asia Pacific thermal treatment air filtration market included the widespread product utilization in the automotive industry, rising pollution levels, inflating disposable incomes, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global thermal treatment air filtration market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Air Clear LLC, Anguil Environmental Systems Inc., APC Technologies Inc, Catalytic Products International Inc., Cycle Therm LLC, Eisenmann Environmental Technology GmbH, Fives SAS, John Zink Hamworthy Combustion (Koch Industries Inc.), Pollution System Solutions Inc, Process Combustion Corporation, The Cmm Group LLC, Zeeco Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global thermal treatment air filtration market in 2023?
2. What is the expected growth rate of the global thermal treatment air filtration market during 2024-2032?
3. What are the key factors driving the global thermal treatment air filtration market?
4. What has been the impact of COVID-19 on the global thermal treatment air filtration market?
5. What is the breakup of the global thermal treatment air filtration market based on the type?
6. What is the breakup of the global thermal treatment air filtration market based on application?

7. What are the key regions in the global thermal treatment air filtration market?
8. Who are the key players/companies in the global thermal treatment air filtration market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL THERMAL TREATMENT AIR FILTRATION MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Thermal Oxidizer
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Catalytic Oxidizer
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Regenerative Thermal Oxidizer

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Regenerative Catalytic Oxidizer
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Oil and Gas Industry
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Automotive Industry
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Chemical Industry
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Coating and Printing Industry
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Electronics Industry
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Food and Pharmaceutical Industry
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Air Clear LLC

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.2 Anguil Environmental Systems Inc.

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.3 APC Technologies Inc.

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.4 Catalytic Products International Inc.

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.5 Cycle Therm LLC

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.6 Eisenmann Environmental Technology GmbH

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.7 Fives SAS

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.8 John Zink Hamworthy Combustion (Koch Industries Inc.)

13.3.8.1 Company Overview

13.3.8.2 Product Portfolio

13.3.9 Pollution System Solutions Inc

13.3.9.1 Company Overview

13.3.9.2 Product Portfolio

13.3.10 Process Combustion Corporation

13.3.10.1 Company Overview

13.3.10.2 Product Portfolio

13.3.11 The Cmm Group LLC

13.3.11.1 Company Overview

13.3.11.2 Product Portfolio

13.3.12 Zeeco Inc.

13.3.12.1 Company Overview

13.3.12.2 Product Portfolio

Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Thermal Treatment Air Filtration Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Thermal Treatment Air Filtration Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 3: Global: Thermal Treatment Air Filtration Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Thermal Treatment Air Filtration Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Thermal Treatment Air Filtration Market: Competitive Structure

Table 6: Global: Thermal Treatment Air Filtration Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Thermal Treatment Air Filtration Market: Major Drivers and Challenges

Figure 2: Global: Thermal Treatment Air Filtration Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Thermal Treatment Air Filtration Market: Breakup by Type (in %), 2023

Figure 5: Global: Thermal Treatment Air Filtration Market: Breakup by Application (in %), 2023

Figure 6: Global: Thermal Treatment Air Filtration Market: Breakup by Region (in %), 2023

Figure 7: Global: Thermal Treatment Air Filtration (Thermal Oxidizer) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Thermal Treatment Air Filtration (Thermal Oxidizer) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Thermal Treatment Air Filtration (Catalytic Oxidizer) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Thermal Treatment Air Filtration (Catalytic Oxidizer) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Thermal Treatment Air Filtration (Regenerative Thermal Oxidizer) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Thermal Treatment Air Filtration (Regenerative Thermal Oxidizer) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Thermal Treatment Air Filtration (Regenerative Catalytic Oxidizer) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Thermal Treatment Air Filtration (Regenerative Catalytic Oxidizer) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Thermal Treatment Air Filtration (Oil and Gas Industry) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Thermal Treatment Air Filtration (Oil and Gas Industry) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Thermal Treatment Air Filtration (Automotive Industry) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Thermal Treatment Air Filtration (Automotive Industry) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Thermal Treatment Air Filtration (Chemical Industry) Market: Sales

Value (in Million US\$), 2018 & 2023

Figure 20: Global: Thermal Treatment Air Filtration (Chemical Industry) Market

Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Thermal Treatment Air Filtration (Coating and Printing Industry)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Thermal Treatment Air Filtration (Coating and Printing Industry)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Thermal Treatment Air Filtration (Electronics Industry) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Thermal Treatment Air Filtration (Electronics Industry) Market

Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Thermal Treatment Air Filtration (Food and Pharmaceutical Industry)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Thermal Treatment Air Filtration (Food and Pharmaceutical Industry)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: North America: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: North America: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: United States: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: United States: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Canada: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Canada: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Asia-Pacific: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Asia-Pacific: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: China: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: China: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Japan: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Japan: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: India: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: India: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: South Korea: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: South Korea: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Australia: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Australia: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Indonesia: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Indonesia: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Others: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Others: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Europe: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Europe: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Germany: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Germany: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: France: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: France: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: United Kingdom: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: United Kingdom: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Italy: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Italy: Thermal Treatment Air Filtration Market Forecast: Sales Value (in

Million US\$), 2024-2032

Figure 59: Spain: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Spain: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Russia: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Russia: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Others: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Others: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Latin America: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Latin America: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Brazil: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Brazil: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Mexico: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Mexico: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Middle East and Africa: Thermal Treatment Air Filtration Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Middle East and Africa: Thermal Treatment Air Filtration Market: Breakup by Country (in %), 2023

Figure 75: Middle East and Africa: Thermal Treatment Air Filtration Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Global: Thermal Treatment Air Filtration Industry: Drivers, Restraints, and Opportunities

Figure 77: Global: Thermal Treatment Air Filtration Industry: Value Chain Analysis

Figure 78: Global: Thermal Treatment Air Filtration Industry: Porter's Five Forces

Analysis

I would like to order

Product name: Thermal Treatment Air Filtration Market by Type (Thermal Oxidizer, Catalytic Oxidizer, Regenerative Thermal Oxidizer, Regenerative Catalytic Oxidizer), Application (Oil and Gas Industry, Automotive Industry, Chemical Industry, Coating and Printing Industry, Electronics Industry, Food and Pharmaceutical Industry), and Region 2024-2032

Product link: <https://marketpublishers.com/r/T136BAC140DBEN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/T136BAC140DBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970