

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Medical Gases Market 2018, Forecast to 2023

<https://marketpublishers.com/r/G8D1A916783EN.html>

Date: July 2018

Pages: 135

Price: US\$ 4,880.00 (Single User License)

ID: G8D1A916783EN

Abstracts

Medical Gases are fluids manufactured specifically for the medical, pharmaceutical manufacturing, and biotechnology industries. They are frequently used to synthesize, sterilize, or insulate processes or products which contribute to human health.

SCOPE OF THE REPORT:

This report focuses on the Medical Gases in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The medical gases market concentration is high and the global market is dominated by few companies like Air Liquide (Airgas), Linde Healthcare, Praxair, Air Products and Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.). These giants are dominating the medical gases market, from the manufacturing, distribution to service, occupying for over 84 percent of global market. The giants expand their market through mergers and acquisitions, building the global production and distribution network, from the developed countries to the emerging countries. In few future years, the market will become more concentrated in only few companies, and the market competition pattern will be very difficult to change.

Globally, the North America is the largest producer and consumer, followed by Europe, both occupy for over 60 % market share. The developed countries will sustain its growth in the years ahead, and it has a lot of room to grow in the emerging countries, especially in China, India, Southeast Asia and the Middle East regions.

The worldwide market for Medical Gases is expected to grow at a CAGR of roughly 2.9% over the next five years, will reach 7130 million US\$ in 2023, from 6000 million

US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Air Liquide (acquired Airgas in 2016)

Linde Healthcare (BOC Healthcare)

Praxair

Air Products

Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.)

Messer Group

SOL Group

Norco

Air Water Inc

Shenzhen Gaofa

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Medical Oxygen

Medical Nitrous Oxide

Medical Air

Medical Helium

Others (Medical Nitrogen and Carbon Dioxide etc.)

Market Segment by Applications, can be divided into

Hospitals (Labs & Clinics)

Home Healthcare

Universities/Research Institutions

Pharmaceutical & Biotechnology Industries

There are 15 Chapters to deeply display the global Medical Gases market.

Chapter 1, to describe Medical Gases Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Medical Gases, with sales, revenue, and price of Medical Gases, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Medical Gases, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Medical Gases market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Medical Gases sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 Medical Gases Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Medical Oxygen
 - 1.2.2 Medical Nitrous Oxide
 - 1.2.3 Medical Air
 - 1.2.4 Medical Helium
 - 1.2.5 Others (Medical Nitrogen and Carbon Dioxide etc.)
- 1.3 Market Analysis by Applications
 - 1.3.1 Hospitals (Labs & Clinics)
 - 1.3.2 Home Healthcare
 - 1.3.3 Universities/Research Institutions
 - 1.3.4 Pharmaceutical & Biotechnology Industries
- 1.4 Market Analysis by Regions
 - 1.4.1 North America (United States, Canada and Mexico)
 - 1.4.1.1 United States Market States and Outlook (2013-2023)
 - 1.4.1.2 Canada Market States and Outlook (2013-2023)
 - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
 - 1.4.2.1 Germany Market States and Outlook (2013-2023)
 - 1.4.2.2 France Market States and Outlook (2013-2023)
 - 1.4.2.3 UK Market States and Outlook (2013-2023)
 - 1.4.2.4 Russia Market States and Outlook (2013-2023)
 - 1.4.2.5 Italy Market States and Outlook (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
 - 1.4.3.1 China Market States and Outlook (2013-2023)
 - 1.4.3.2 Japan Market States and Outlook (2013-2023)
 - 1.4.3.3 Korea Market States and Outlook (2013-2023)
 - 1.4.3.4 India Market States and Outlook (2013-2023)
 - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
 - 1.4.4 South America, Middle East and Africa
 - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
 - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
 - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
 - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
 - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

1.5 Market Dynamics

1.5.1 Market Opportunities

1.5.2 Market Risk

1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Air Liquide (acquired Airgas in 2016)

2.1.1 Business Overview

2.1.1.1 Air Liquide (acquired Airgas in 2016) Description

2.1.1.2 Air Liquide (acquired Airgas in 2016) Headquarter, Main Business and Finance Overview

2.1.2 Air Liquide (acquired Airgas in 2016) Medical Gases Product Introduction

2.1.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors

2.1.2.2 Medical Gases Product Information

2.1.3 Air Liquide (acquired Airgas in 2016) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Air Liquide (acquired Airgas in 2016) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Air Liquide (acquired Airgas in 2016) Medical Gases Market Share in 2017

2.2 Linde Healthcare (BOC Healthcare)

2.2.1 Business Overview

2.2.1.1 Linde Healthcare (BOC Healthcare) Description

2.2.1.2 Linde Healthcare (BOC Healthcare) Headquarter, Main Business and Finance Overview

2.2.2 Linde Healthcare (BOC Healthcare) Medical Gases Product Introduction

2.2.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors

2.2.2.2 Medical Gases Product Information

2.2.3 Linde Healthcare (BOC Healthcare) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Linde Healthcare (BOC Healthcare) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Linde Healthcare (BOC Healthcare) Medical Gases Market Share in 2017

2.3 Praxair

2.3.1 Business Overview

2.3.1.1 Praxair Description

2.3.1.2 Praxair Headquarter, Main Business and Finance Overview

- 2.3.2 Praxair Medical Gases Product Introduction
 - 2.3.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.3.2.2 Medical Gases Product Information
- 2.3.3 Praxair Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.3.3.1 Praxair Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.3.3.2 Global Praxair Medical Gases Market Share in 2017
- 2.4 Air Products
 - 2.4.1 Business Overview
 - 2.4.1.1 Air Products Description
 - 2.4.1.2 Air Products Headquarter, Main Business and Finance Overview
 - 2.4.2 Air Products Medical Gases Product Introduction
 - 2.4.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.4.2.2 Medical Gases Product Information
 - 2.4.3 Air Products Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.4.3.1 Air Products Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.4.3.2 Global Air Products Medical Gases Market Share in 2017
- 2.5 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.)
 - 2.5.1 Business Overview
 - 2.5.1.1 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Description
 - 2.5.1.2 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Headquarter, Main Business and Finance Overview
 - 2.5.2 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Product Introduction
 - 2.5.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.5.2.2 Medical Gases Product Information
 - 2.5.3 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.5.3.1 Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.5.3.2 Global Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Market Share in 2017
- 2.6 Messer Group
 - 2.6.1 Business Overview
 - 2.6.1.1 Messer Group Description
 - 2.6.1.2 Messer Group Headquarter, Main Business and Finance Overview

- 2.6.2 Messer Group Medical Gases Product Introduction
 - 2.6.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.6.2.2 Medical Gases Product Information
- 2.6.3 Messer Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.6.3.1 Messer Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.6.3.2 Global Messer Group Medical Gases Market Share in 2017
- 2.7 SOL Group
 - 2.7.1 Business Overview
 - 2.7.1.1 SOL Group Description
 - 2.7.1.2 SOL Group Headquarter, Main Business and Finance Overview
 - 2.7.2 SOL Group Medical Gases Product Introduction
 - 2.7.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.7.2.2 Medical Gases Product Information
 - 2.7.3 SOL Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.7.3.1 SOL Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.7.3.2 Global SOL Group Medical Gases Market Share in 2017
- 2.8 Norco
 - 2.8.1 Business Overview
 - 2.8.1.1 Norco Description
 - 2.8.1.2 Norco Headquarter, Main Business and Finance Overview
 - 2.8.2 Norco Medical Gases Product Introduction
 - 2.8.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.8.2.2 Medical Gases Product Information
 - 2.8.3 Norco Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.8.3.1 Norco Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
 - 2.8.3.2 Global Norco Medical Gases Market Share in 2017
- 2.9 Air Water Inc
 - 2.9.1 Business Overview
 - 2.9.1.1 Air Water Inc Description
 - 2.9.1.2 Air Water Inc Headquarter, Main Business and Finance Overview
 - 2.9.2 Air Water Inc Medical Gases Product Introduction
 - 2.9.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors
 - 2.9.2.2 Medical Gases Product Information

2.9.3 Air Water Inc Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.1 Air Water Inc Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.2 Global Air Water Inc Medical Gases Market Share in 2017

2.10 Shenzhen Gaofa

2.10.1 Business Overview

2.10.1.1 Shenzhen Gaofa Description

2.10.1.2 Shenzhen Gaofa Headquarter, Main Business and Finance Overview

2.10.2 Shenzhen Gaofa Medical Gases Product Introduction

2.10.2.1 Medical Gases Production Bases, Sales Regions and Major Competitors

2.10.2.2 Medical Gases Product Information

2.10.3 Shenzhen Gaofa Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.1 Shenzhen Gaofa Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.2 Global Shenzhen Gaofa Medical Gases Market Share in 2017

3 GLOBAL MEDICAL GASES MARKET COMPETITION, BY MANUFACTURER

3.1 Global Medical Gases Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Medical Gases Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Medical Gases Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Medical Gases Manufacturer Market Share in 2017

3.4.2 Top 5 Medical Gases Manufacturer Market Share in 2017

3.5 Market Competition Trend

4 GLOBAL MEDICAL GASES MARKET ANALYSIS BY REGIONS

4.1 Global Medical Gases Sales, Revenue and Market Share by Regions

4.1.1 Global Medical Gases Sales by Regions (2013-2018)

4.1.2 Global Medical Gases Revenue by Regions (2013-2018)

4.2 North America Medical Gases Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Medical Gases Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Medical Gases Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Medical Gases Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Medical Gases Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA MEDICAL GASES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America Medical Gases Sales, Revenue and Market Share by Countries

- 5.1.1 North America Medical Gases Sales by Countries (2013-2018)
- 5.1.2 North America Medical Gases Revenue by Countries (2013-2018)
- 5.1.3 United States Medical Gases Sales and Growth Rate (2013-2018)
- 5.1.4 Canada Medical Gases Sales and Growth Rate (2013-2018)
- 5.1.5 Mexico Medical Gases Sales and Growth Rate (2013-2018)

5.2 North America Medical Gases Sales and Revenue (Value) by Manufacturers (2016-2017)

- 5.2.1 North America Medical Gases Sales by Manufacturers (2016-2017)
- 5.2.2 North America Medical Gases Revenue by Manufacturers (2016-2017)

5.3 North America Medical Gases Sales, Revenue and Market Share by Type (2013-2018)

- 5.3.1 North America Medical Gases Sales and Sales Share by Type (2013-2018)
- 5.3.2 North America Medical Gases Revenue and Revenue Share by Type (2013-2018)

5.4 North America Medical Gases Sales, Revenue and Market Share by Application (2013-2018)

- 5.4.1 North America Medical Gases Sales and Sales Share by Application (2013-2018)
- 5.4.2 North America Medical Gases Revenue and Revenue Share by Application (2013-2018)

6 EUROPE MEDICAL GASES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe Medical Gases Sales, Revenue and Market Share by Countries

- 6.1.1 Europe Medical Gases Sales by Countries (2013-2018)
- 6.1.2 Europe Medical Gases Revenue by Countries (2013-2018)
- 6.1.3 Germany Medical Gases Sales and Growth Rate (2013-2018)
- 6.1.4 UK Medical Gases Sales and Growth Rate (2013-2018)
- 6.1.5 France Medical Gases Sales and Growth Rate (2013-2018)
- 6.1.6 Russia Medical Gases Sales and Growth Rate (2013-2018)
- 6.1.7 Italy Medical Gases Sales and Growth Rate (2013-2018)

6.2 Europe Medical Gases Sales and Revenue (Value) by Manufacturers (2016-2017)

- 6.2.1 Europe Medical Gases Sales by Manufacturers (2016-2017)

- 6.2.2 Europe Medical Gases Revenue by Manufacturers (2016-2017)
- 6.3 Europe Medical Gases Sales, Revenue and Market Share by Type (2013-2018)
 - 6.3.1 Europe Medical Gases Sales and Sales Share by Type (2013-2018)
 - 6.3.2 Europe Medical Gases Revenue and Revenue Share by Type (2013-2018)
- 6.4 Europe Medical Gases Sales, Revenue and Market Share by Application (2013-2018)
 - 6.4.1 Europe Medical Gases Sales and Sales Share by Application (2013-2018)
 - 6.4.2 Europe Medical Gases Revenue and Revenue Share by Application (2013-2018)

7 ASIA-PACIFIC MEDICAL GASES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 7.1 Asia-Pacific Medical Gases Sales, Revenue and Market Share by Countries
 - 7.1.1 Asia-Pacific Medical Gases Sales by Countries (2013-2018)
 - 7.1.2 Asia-Pacific Medical Gases Revenue by Countries (2013-2018)
 - 7.1.3 China Medical Gases Sales and Growth Rate (2013-2018)
 - 7.1.4 Japan Medical Gases Sales and Growth Rate (2013-2018)
 - 7.1.5 Korea Medical Gases Sales and Growth Rate (2013-2018)
 - 7.1.6 India Medical Gases Sales and Growth Rate (2013-2018)
 - 7.1.7 Southeast Asia Medical Gases Sales and Growth Rate (2013-2018)
- 7.2 Asia-Pacific Medical Gases Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 7.2.1 Asia-Pacific Medical Gases Sales by Manufacturers (2016-2017)
 - 7.2.2 Asia-Pacific Medical Gases Revenue by Manufacturers (2016-2017)
- 7.3 Asia-Pacific Medical Gases Sales, Revenue and Market Share by Type (2013-2018)
 - 7.3.1 Asia-Pacific Medical Gases Sales and Sales Share by Type (2013-2018)
 - 7.3.2 Asia-Pacific Medical Gases Revenue and Revenue Share by Type (2013-2018)
- 7.4 Asia-Pacific Medical Gases Sales, Revenue and Market Share by Application (2013-2018)
 - 7.4.1 Asia-Pacific Medical Gases Sales and Sales Share by Application (2013-2018)
 - 7.4.2 Asia-Pacific Medical Gases Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA MEDICAL GASES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 8.1 South America Medical Gases Sales, Revenue and Market Share by Countries
 - 8.1.1 South America Medical Gases Sales by Countries (2013-2018)
 - 8.1.2 South America Medical Gases Revenue by Countries (2013-2018)

- 8.1.3 Brazil Medical Gases Sales and Growth Rate (2013-2018)
- 8.1.4 Argentina Medical Gases Sales and Growth Rate (2013-2018)
- 8.1.5 Colombia Medical Gases Sales and Growth Rate (2013-2018)
- 8.2 South America Medical Gases Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 8.2.1 South America Medical Gases Sales by Manufacturers (2016-2017)
 - 8.2.2 South America Medical Gases Revenue by Manufacturers (2016-2017)
- 8.3 South America Medical Gases Sales, Revenue and Market Share by Type (2013-2018)
 - 8.3.1 South America Medical Gases Sales and Sales Share by Type (2013-2018)
 - 8.3.2 South America Medical Gases Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America Medical Gases Sales, Revenue and Market Share by Application (2013-2018)
 - 8.4.1 South America Medical Gases Sales and Sales Share by Application (2013-2018)
 - 8.4.2 South America Medical Gases Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA MEDICAL GASES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 9.1 Middle East and Africa Medical Gases Sales, Revenue and Market Share by Countries
 - 9.1.1 Middle East and Africa Medical Gases Sales by Countries (2013-2018)
 - 9.1.2 Middle East and Africa Medical Gases Revenue by Countries (2013-2018)
 - 9.1.3 Saudi Arabia Medical Gases Sales and Growth Rate (2013-2018)
 - 9.1.4 UAE Medical Gases Sales and Growth Rate (2013-2018)
 - 9.1.5 Egypt Medical Gases Sales and Growth Rate (2013-2018)
 - 9.1.6 Nigeria Medical Gases Sales and Growth Rate (2013-2018)
 - 9.1.7 South Africa Medical Gases Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa Medical Gases Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa Medical Gases Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa Medical Gases Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa Medical Gases Sales, Revenue and Market Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa Medical Gases Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Medical Gases Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Medical Gases Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Medical Gases Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Medical Gases Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL MEDICAL GASES MARKET SEGMENT BY TYPE

10.1 Global Medical Gases Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Medical Gases Sales and Market Share by Type (2013-2018)

10.1.2 Global Medical Gases Revenue and Market Share by Type (2013-2018)

10.2 Medical Oxygen Sales Growth and Price

10.2.1 Global Medical Oxygen Sales Growth (2013-2018)

10.2.2 Global Medical Oxygen Price (2013-2018)

10.3 Medical Nitrous Oxide Sales Growth and Price

10.3.1 Global Medical Nitrous Oxide Sales Growth (2013-2018)

10.3.2 Global Medical Nitrous Oxide Price (2013-2018)

10.4 Medical Air Sales Growth and Price

10.4.1 Global Medical Air Sales Growth (2013-2018)

10.4.2 Global Medical Air Price (2013-2018)

10.5 Medical Helium Sales Growth and Price

10.5.1 Global Medical Helium Sales Growth (2013-2018)

10.5.2 Global Medical Helium Price (2013-2018)

10.6 Others (Medical Nitrogen and Carbon Dioxide etc.) Sales Growth and Price

10.6.1 Global Others (Medical Nitrogen and Carbon Dioxide etc.) Sales Growth (2013-2018)

10.6.2 Global Others (Medical Nitrogen and Carbon Dioxide etc.) Price (2013-2018)

11 GLOBAL MEDICAL GASES MARKET SEGMENT BY APPLICATION

11.1 Global Medical Gases Sales Market Share by Application (2013-2018)

11.2 Hospitals (Labs & Clinics) Sales Growth (2013-2018)

11.3 Home Healthcare Sales Growth (2013-2018)

11.4 Universities/Research Institutions Sales Growth (2013-2018)

11.5 Pharmaceutical & Biotechnology Industries Sales Growth (2013-2018)

12 MEDICAL GASES MARKET FORECAST (2018-2023)

- 12.1 Global Medical Gases Sales, Revenue and Growth Rate (2018-2023)
- 12.2 Medical Gases Market Forecast by Regions (2018-2023)
 - 12.2.1 North America Medical Gases Market Forecast (2018-2023)
 - 12.2.2 Europe Medical Gases Market Forecast (2018-2023)
 - 12.2.3 Asia-Pacific Medical Gases Market Forecast (2018-2023)
 - 12.2.4 South America Medical Gases Market Forecast (2018-2023)
 - 12.2.5 Middle East and Africa Medical Gases Market Forecast (2018-2023)
- 12.3 Medical Gases Market Forecast by Type (2018-2023)
 - 12.3.1 Global Medical Gases Sales Forecast by Type (2018-2023)
 - 12.3.2 Global Medical Gases Market Share Forecast by Type (2018-2023)
- 12.4 Medical Gases Market Forecast by Application (2018-2023)
 - 12.4.1 Global Medical Gases Sales Forecast by Application (2018-2023)
 - 12.4.2 Global Medical Gases Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 13.1 Sales Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
 - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

- 15.1 Methodology
- 15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure Medical Gases Picture

Table Product Specifications of Medical Gases

Figure Global Medical Gases CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Medical Gases CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Medical Gases by Types in 2017

Figure Medical Oxygen Picture

Table Major Manufacturers of Medical Oxygen

Figure Medical Nitrous Oxide Picture

Table Major Manufacturers of Medical Nitrous Oxide

Figure Medical Air Picture

Table Major Manufacturers of Medical Air

Figure Medical Helium Picture

Table Major Manufacturers of Medical Helium

Figure Others (Medical Nitrogen and Carbon Dioxide etc.) Picture

Table Major Manufacturers of Others (Medical Nitrogen and Carbon Dioxide etc.)

Figure Medical Gases Sales Market Share by Applications in 2017

Figure Hospitals (Labs & Clinics) Picture

Figure Home Healthcare Picture

Figure Universities/Research Institutions Picture

Figure Pharmaceutical & Biotechnology Industries Picture

Figure United States Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure France Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure UK Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure China Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure India Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Medical Gases Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Medical Gases Revenue (Value) and Growth Rate (2013-2023)
Figure Egypt Medical Gases Revenue (Value) and Growth Rate (2013-2023)
Figure Saudi Arabia Medical Gases Revenue (Value) and Growth Rate (2013-2023)
Figure South Africa Medical Gases Revenue (Value) and Growth Rate (2013-2023)
Figure Nigeria Medical Gases Revenue (Value) and Growth Rate (2013-2023)
Table Air Liquide (acquired Airgas in 2016) Headquarter, Established, Main Business and Finance Overview (2017)
Table Air Liquide (acquired Airgas in 2016) Medical Gases Production Bases, Sales Regions and Major Competitors
Table Air Liquide (acquired Airgas in 2016) Medical Gases Product
Table Air Liquide (acquired Airgas in 2016) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Air Liquide (acquired Airgas in 2016) Medical Gases Sales Market Share in 2017
Figure Global Air Liquide (acquired Airgas in 2016) Medical Gases Revenue Market Share in 2017
Table Linde Healthcare (BOC Healthcare) Headquarter, Established, Main Business and Finance Overview (2017)
Table Linde Healthcare (BOC Healthcare) Medical Gases Production Bases, Sales Regions and Major Competitors
Table Linde Healthcare (BOC Healthcare) Medical Gases Product
Table Linde Healthcare (BOC Healthcare) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Linde Healthcare (BOC Healthcare) Medical Gases Sales Market Share in 2017
Figure Global Linde Healthcare (BOC Healthcare) Medical Gases Revenue Market Share in 2017
Table Praxair Headquarter, Established, Main Business and Finance Overview (2017)
Table Praxair Medical Gases Production Bases, Sales Regions and Major Competitors
Table Praxair Medical Gases Product
Table Praxair Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Praxair Medical Gases Sales Market Share in 2017
Figure Global Praxair Medical Gases Revenue Market Share in 2017
Table Air Products Headquarter, Established, Main Business and Finance Overview (2017)
Table Air Products Medical Gases Production Bases, Sales Regions and Major Competitors
Table Air Products Medical Gases Product

Table Air Products Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Air Products Medical Gases Sales Market Share in 2017

Figure Global Air Products Medical Gases Revenue Market Share in 2017

Table Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Headquarter, Established, Main Business and Finance Overview (2017)

Table Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Production Bases, Sales Regions and Major Competitors

Table Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Product

Table Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Sales Market Share in 2017

Figure Global Taiyo Nippon Sanso Corporation (Matheson Tri-Gas Inc.) Medical Gases Revenue Market Share in 2017

Table Messer Group Headquarter, Established, Main Business and Finance Overview (2017)

Table Messer Group Medical Gases Production Bases, Sales Regions and Major Competitors

Table Messer Group Medical Gases Product

Table Messer Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Messer Group Medical Gases Sales Market Share in 2017

Figure Global Messer Group Medical Gases Revenue Market Share in 2017

Table SOL Group Headquarter, Established, Main Business and Finance Overview (2017)

Table SOL Group Medical Gases Production Bases, Sales Regions and Major Competitors

Table SOL Group Medical Gases Product

Table SOL Group Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global SOL Group Medical Gases Sales Market Share in 2017

Figure Global SOL Group Medical Gases Revenue Market Share in 2017

Table Norco Headquarter, Established, Main Business and Finance Overview (2017)

Table Norco Medical Gases Production Bases, Sales Regions and Major Competitors

Table Norco Medical Gases Product

Table Norco Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Norco Medical Gases Sales Market Share in 2017

Figure Global Norco Medical Gases Revenue Market Share in 2017
Table Air Water Inc Headquarter, Established, Main Business and Finance Overview (2017)
Table Air Water Inc Medical Gases Production Bases, Sales Regions and Major Competitors
Table Air Water Inc Medical Gases Product
Table Air Water Inc Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Air Water Inc Medical Gases Sales Market Share in 2017
Figure Global Air Water Inc Medical Gases Revenue Market Share in 2017
Table Shenzhen Gaofa Headquarter, Established, Main Business and Finance Overview (2017)
Table Shenzhen Gaofa Medical Gases Production Bases, Sales Regions and Major Competitors
Table Shenzhen Gaofa Medical Gases Product
Table Shenzhen Gaofa Medical Gases Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Shenzhen Gaofa Medical Gases Sales Market Share in 2017
Figure Global Shenzhen Gaofa Medical Gases Revenue Market Share in 2017
Table Global Medical Gases Sales by Manufacturer (2016-2017)
Figure Global Medical Gases Sales Market Share by Manufacturer in 2016
Figure Global Medical Gases Sales Market Share by Manufacturer in 2017
Table Global Medical Gases Revenue by Manufacturer (2016-2017)
Figure Global Medical Gases Revenue Market Share by Manufacturer in 2016
Figure Global Medical Gases Revenue Market Share by Manufacturer in 2017
Table Global Medical Gases Price by Manufacturer (2016-2017)
Figure Top 3 Medical Gases Manufacturer (Revenue) Market Share in 2017
Figure Top 6 Medical Gases Manufacturer (Revenue) Market Share in 2017
Figure Global Medical Gases Sales and Growth Rate (2013-2018)
Figure Global Medical Gases Revenue and Growth Rate (2013-2018)
Table Global Medical Gases Sales by Regions (2013-2018)
Table Global Medical Gases Sales Market Share by Regions (2013-2018)
Table Global Medical Gases Revenue by Regions (2013-2018)
Figure Global Medical Gases Revenue Market Share by Regions in 2013
Figure Global Medical Gases Revenue Market Share by Regions in 2017
Figure North America Medical Gases Sales and Growth Rate (2013-2018)
Figure North America Medical Gases Revenue and Growth Rate (2013-2018)
Figure Europe Medical Gases Sales and Growth Rate (2013-2018)
Figure Europe Medical Gases Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Medical Gases Sales and Growth Rate (2013-2018)
Figure Asia-Pacific Medical Gases Revenue and Growth Rate (2013-2018)
Figure South America Medical Gases Sales and Growth Rate (2013-2018)
Figure South America Medical Gases Revenue and Growth Rate (2013-2018)
Figure Middle East and Africa Medical Gases Sales and Growth Rate (2013-2018)
Figure Middle East and Africa Medical Gases Revenue and Growth Rate (2013-2018)
Figure North America Medical Gases Revenue and Growth Rate (2013-2018)
Table North America Medical Gases Sales by Countries (2013-2018)
Table North America Medical Gases Sales Market Share by Countries (2013-2018)
Figure North America Medical Gases Sales Market Share by Countries in 2013
Figure North America Medical Gases Sales Market Share by Countries in 2017
Table North America Medical Gases Revenue by Countries (2013-2018)
Table North America Medical Gases Revenue Market Share by Countries (2013-2018)
Figure North America Medical Gases Revenue Market Share by Countries in 2013
Figure North America Medical Gases Revenue Market Share by Countries in 2017
Figure United States Medical Gases Sales and Growth Rate (2013-2018)
Figure Canada Medical Gases Sales and Growth Rate (2013-2018)
Figure Mexico Medical Gases Sales and Growth Rate (2013-2018)
Table North America Medical Gases Sales by Manufacturer (2016-2017)
Figure North America Medical Gases Sales Market Share by Manufacturer in 2016
Figure North America Medical Gases Sales Market Share by Manufacturer in 2017
Table North America Medical Gases Revenue by Manufacturer (2016-2017)
Figure North America Medical Gases Revenue Market Share by Manufacturer in 2016
Figure North America Medical Gases Revenue Market Share by Manufacturer in 2017
Table North America Medical Gases Sales by Type (2013-2018)
Table North America Medical Gases Sales Share by Type (2013-2018)
Table North America Medical Gases Revenue by Type (2013-2018)
Table North America Medical Gases Revenue Share by Type (2013-2018)
Table North America Medical Gases Sales by Application (2013-2018)
Table North America Medical Gases Sales Share by Application (2013-2018)
Table North America Medical Gases Revenue by Application (2013-2018)
Table North America Medical Gases Revenue Share by Application (2013-2018)
Figure Europe Medical Gases Revenue and Growth Rate (2013-2018)
Table Europe Medical Gases Sales by Countries (2013-2018)
Table Europe Medical Gases Sales Market Share by Countries (2013-2018)
Table Europe Medical Gases Revenue by Countries (2013-2018)
Figure Europe Medical Gases Revenue Market Share by Countries in 2016
Figure Europe Medical Gases Revenue Market Share by Countries in 2017
Figure Germany Medical Gases Sales and Growth Rate (2013-2018)

Figure UK Medical Gases Sales and Growth Rate (2013-2018)
Figure France Medical Gases Sales and Growth Rate (2013-2018)
Figure Russia Medical Gases Sales and Growth Rate (2013-2018)
Figure Italy Medical Gases Sales and Growth Rate (2013-2018)
Table Europe Medical Gases Sales by Manufacturer (2016-2017)
Figure Europe Medical Gases Sales Market Share by Manufacturer in 2016
Figure Europe Medical Gases Sales Market Share by Manufacturer in 2017
Table Europe Medical Gases Revenue by Manufacturer (2016-2017)
Figure Europe Medical Gases Revenue Market Share by Manufacturer in 2016
Figure Europe Medical Gases Revenue Market Share by Manufacturer in 2017
Table Europe Medical Gases Sales by Type (2013-2018)
Table Europe Medical Gases Sales Share by Type (2013-2018)
Table Europe Medical Gases Revenue by Type (2013-2018)
Table Europe Medical Gases Revenue Share by Type (2013-2018)
Table Europe Medical Gases Sales by Application (2013-2018)
Table Europe Medical Gases Sales Share by Application (2013-2018)
Table Europe Medical Gases Revenue by Application (2013-2018)
Table Europe Medical Gases Revenue Share by Application (2013-2018)
Figure Asia-Pacific Medical Gases Revenue and Growth Rate (2013-2018)
Table Asia-Pacific Medical Gases Sales by Countries (2013-2018)
Table Asia-Pacific Medical Gases Sales Market Share by Countries (2013-2018)
Figure Asia-Pacific Medical Gases Sales Market Share by Countries 2017
Table Asia-Pacific Medical Gases Revenue by Countries (2013-2018)
Figure Asia-Pacific Medical Gases Revenue Market Share by Countries 2017
Figure China Medical Gases Sales and Growth Rate (2013-2018)
Figure Japan Medical Gases Sales and Growth Rate (2013-2018)
Figure Korea Medical Gases Sales and Growth Rate (2013-2018)
Figure India Medical Gases Sales and Growth Rate (2013-2018)
Figure Southeast Asia Medical Gases Sales and Growth Rate (2013-2018)
Table Asia-Pacific Medical Gases Sales by Manufacturer (2016-2017)
Figure Asia-Pacific Medical Gases Sales Market Share by Manufacturer in 2016
Figure Asia-Pacific Medical Gases Sales Market Share by Manufacturer in 2017
Table Asia-Pacific Medical Gases Revenue by Manufacturer (2016-2017)
Figure Asia-Pacific Medical Gases Revenue Market Share by Manufacturer in 2016
Figure Asia-Pacific Medical Gases Revenue Market Share by Manufacturer in 2017
Table Asia-Pacific Medical Gases Sales by Type (2013-2018)
Table Asia-Pacific Medical Gases Sales Share by Type (2013-2018)
Table Asia-Pacific Medical Gases Revenue by Type (2013-2018)
Table Asia-Pacific Medical Gases Revenue Share by Type (2013-2018)

Table Asia-Pacific Medical Gases Sales by Application (2013-2018)
Table Asia-Pacific Medical Gases Sales Share by Application (2013-2018)
Table Asia-Pacific Medical Gases Revenue by Application (2013-2018)
Table Asia-Pacific Medical Gases Revenue Share by Application (2013-2018)
Figure South America Medical Gases Revenue and Growth Rate (2013-2018)
Table South America Medical Gases Sales by Countries (2013-2018)
Table South America Medical Gases Sales Market Share by Countries (2013-2018)
Figure South America Medical Gases Sales Market Share by Countries in 2017
Table South America Medical Gases Revenue by Countries (2013-2018)
Table South America Medical Gases Revenue Market Share by Countries (2013-2018)
Figure South America Medical Gases Revenue Market Share by Countries in 2017
Figure Brazil Medical Gases Sales and Growth Rate (2013-2018)
Figure Argentina Medical Gases Sales and Growth Rate (2013-2018)
Figure Colombia Medical Gases Sales and Growth Rate (2013-2018)
Table South America Medical Gases Sales by Manufacturer (2016-2017)
Figure South America Medical Gases Sales Market Share by Manufacturer in 2016
Figure South America Medical Gases Sales Market Share by Manufacturer in 2017
Table South America Medical Gases Revenue by Manufacturer (2016-2017)
Figure South America Medical Gases Revenue Market Share by Manufacturer in 2016
Figure South America Medical Gases Revenue Market Share by Manufacturer in 2017
Table South America Medical Gases Sales by Type (2013-2018)
Table South America Medical Gases Sales Share by Type (2013-2018)
Table South America Medical Gases Revenue by Type (2013-2018)
Table South America Medical Gases Revenue Share by Type (2013-2018)
Table South America Medical Gases Sales by Application (2013-2018)
Table South America Medical Gases Sales Share by Application (2013-2018)
Table South America Medical Gases Revenue by Application (2013-2018)
Table South America Medical Gases Revenue Share by Application (2013-2018)
Figure Middle East and Africa Medical Gases Revenue and Growth Rate (2013-2018)
Table Middle East and Africa Medical Gases Sales by Countries (2013-2018)
Table Middle East and Africa Medical Gases Sales Market Share by Countries (2013-2018)
Figure Middle East and Africa Medical Gases Sales Market Share by Countries in 2017
Table Middle East and Africa Medical Gases Revenue by Countries (2013-2018)
Table Middle East and Africa Medical Gases Revenue Market Share by Countries (2013-2018)
Figure Middle East and Africa Medical Gases Revenue Market Share by Countries in 2013
Figure Middle East and Africa Medical Gases Revenue Market Share by Countries in

2017

Figure Saudi Arabia Medical Gases Sales and Growth Rate (2013-2018)

Figure UAE Medical Gases Sales and Growth Rate (2013-2018)

Figure Egypt Medical Gases Sales and Growth Rate (2013-2018)

Figure Nigeria Medical Gases Sales and Growth Rate (2013-2018)

Figure South Africa Medical Gases Sales and Growth Rate (2013-2018)

Table Middle East and Africa Medical Gases Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Medical Gases Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa Medical Gases Sales Market Share by Manufacturer in 2017

Table Middle East and Africa Medical Gases Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Medical Gases Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa Medical Gases Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa Medical Gases Sales by Type (2013-2018)

Table Middle East and Africa Medical Gases Sales Share by Type (2013-2018)

Table Middle East and Africa Medical Gases Revenue by Type (2013-2018)

Table Middle East and Africa Medical Gases Revenue Share by Type (2013-2018)

Table Middle East and Africa Medical Gases Sales by Application (2013-2018)

Table Middle East and Africa Medical Gases Sales Share by Application (2013-2018)

Table Middle East and Africa Medical Gases Revenue by Application (2013-2018)

Table Middle East and Africa Medical Gases Revenue Share by Application (2013-2018)

Table Global Medical Gases Sales by Type (2013-2018)

Table Global Medical Gases Sales Share by Type (2013-2018)

Table Global Medical Gases Revenue by Type (2013-2018)

Table Global Medical Gases Revenue Share by Type (2013-2018)

Figure Global Medical Oxygen Sales Growth (2013-2018)

Figure Global Medical Oxygen Price (2013-2018)

Figure Global Medical Nitrous Oxide Sales Growth (2013-2018)

Figure Global Medical Nitrous Oxide Price (2013-2018)

Figure Global Medical Air Sales Growth (2013-2018)

Figure Global Medical Air Price (2013-2018)

Figure Global Medical Helium Sales Growth (2013-2018)

Figure Global Medical Helium Price (2013-2018)

Figure Global Others (Medical Nitrogen and Carbon Dioxide etc.) Sales Growth (2013-2018)

Figure Global Others (Medical Nitrogen and Carbon Dioxide etc.) Price (2013-2018)
Table Global Medical Gases Sales by Application (2013-2018)
Table Global Medical Gases Sales Share by Application (2013-2018)
Figure Global Hospitals (Labs & Clinics) Sales Growth (2013-2018)
Figure Global Home Healthcare Sales Growth (2013-2018)
Figure Global Universities/Research Institutions Sales Growth (2013-2018)
Figure Global Pharmaceutical & Biotechnology Industries Sales Growth (2013-2018)
Figure Global Medical Gases Sales, Revenue and Growth Rate (2018-2023)
Table Global Medical Gases Sales Forecast by Regions (2018-2023)
Table Global Medical Gases Market Share Forecast by Regions (2018-2023)
Figure North America Sales Medical Gases Market Forecast (2018-2023)
Figure Europe Sales Medical Gases Market Forecast (2018-2023)
Figure Asia-Pacific Sales Medical Gases Market Forecast (2018-2023)
Figure South America Sales Medical Gases Market Forecast (2018-2023)
Figure Middle East and Africa Sales Medical Gases Market Forecast (2018-2023)
Table Global Medical Gases Sales Forecast by Type (2018-2023)
Table Global Medical Gases Market Share Forecast by Type (2018-2023)
Table Global Medical Gases Sales Forecast by Application (2018-2023)
Table Global Medical Gases Market Share Forecast by Application (2018-2023)
Table Distributors/Traders/ Dealers List

I would like to order

Product name: Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa)
Medical Gases Market 2018, Forecast to 2023

Product link: <https://marketpublishers.com/r/G8D1A916783EN.html>

Price: US\$ 4,880.00 (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/G8D1A916783EN.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

