

# North America Cryopump Market by Manufacturers, Countries, Type and Application, Forecast to 2022

<https://marketpublishers.com/r/N94833587FFEN.html>

Date: October 2017

Pages: 119

Price: US\$ 4,480.00 (Single User License)

ID: N94833587FFEN

## Abstracts

A cryopump or a 'cryogenic pump' is a vacuum pump that traps gases and vapours by condensing them on a cold surface, but are only effective on some gases. The effectiveness depends on the freezing and boiling points of the gas relative to the cryopump's temperature. They are sometimes used to block particular contaminants, for example in front of a diffusion pump to trap backstreaming oil, or in front of a McLeod gauge to keep out water. In this function, they are called a cryotrap, waterpump or cold trap, even though the physical mechanism is the same as for a cryopump.

Scope of the Report:

This report focuses on the Cryopump in North America market, especially in United States, Canada and Mexico. This report categorizes the market based on manufacturers, countries, type and application.

Market Segment by Manufacturers, this report covers

SHI Cryogenics Group

Ulvac

Brooks

Leybold

Trillium

## PHPK Technologies

Vacree

Market Segment by Countries, covering

United States

Canada

Mexico

Market Segment by Type, covers

?1000std. liter

1000-2000std. liter

2000-4000std. liter

?4000std. liter

Market Segment by Applications, can be divided into

Semiconductor Manufacturing

Vacuum Coating

Particle Accelerators

Sputter Deposition Systems

Other Applications

There are 15 Chapters to deeply display the North America Cryopump market.

Chapter 1, to describe Cryopump Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Cryopump, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

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

Chapter 4, to show the North America market by countries, covering United States, Canada and Mexico, with sales, revenue and market share of Cryopump, for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8 and 9, to analyze the segment market in United States, Canada and Mexico, by manufacturers, type and application, with sales, price, revenue and market share by manufacturers, types and applications;

Chapter 10, Cryopump market forecast, by countries, type and application, with sales, price and revenue, from 2017 to 2022;

Chapter 11, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 12, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 13, to describe sales channel, distributors, traders, dealers etc.

Chapter 14 and 15, to describe Cryopump Research Findings and Conclusion, Appendix, methodology and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Cryopump Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 ?1000std. liter
  - 1.2.2 1000-2000std. liter
  - 1.2.3 2000-4000std. liter
  - 1.2.4 ?4000std. liter
- 1.3 Market Analysis by Applications
  - 1.3.1 Semiconductor Manufacturing
  - 1.3.2 Vacuum Coating
  - 1.3.3 Particle Accelerators
  - 1.3.4 Sputter Deposition Systems
  - 1.3.5 Other Applications
- 1.4 Market Analysis by Countries
  - 1.4.1 United States Status and Prospect (2012-2022)
  - 1.4.2 Mexico Status and Prospect (2012-2022)
  - 1.4.3 Canada Status and Prospect (2012-2022)
- 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 SHI Cryogenics Group
  - 2.1.1 Profile
  - 2.1.2 Cryopump Type and Applications
    - 2.1.2.1 Type
    - 2.1.2.2 Type
  - 2.1.3 SHI Cryogenics Group Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.1.4 Business Overview
  - 2.1.5 SHI Cryogenics Group News
- 2.2 Ulvac
  - 2.2.1 Profile
  - 2.2.2 Cryopump Type and Applications

- 2.2.2.1 Type
- 2.2.2.2 Type
- 2.2.3 Ulvac Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.2.4 Business Overview
- 2.2.5 Ulvac News
- 2.3 Brooks
  - 2.3.1 Profile
  - 2.3.2 Cryopump Type and Applications
    - 2.3.2.1 Type
    - 2.3.2.2 Type
  - 2.3.3 Brooks Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.4 Business Overview
  - 2.3.5 Brooks News
- 2.4 Leybold
  - 2.4.1 Profile
  - 2.4.2 Cryopump Type and Applications
    - 2.4.2.1 Type
    - 2.4.2.2 Type
  - 2.4.3 Leybold Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.4.4 Business Overview
  - 2.4.5 Leybold News
- 2.5 Trillium
  - 2.5.1 Profile
  - 2.5.2 Cryopump Type and Applications
    - 2.5.2.1 Type
    - 2.5.2.2 Type
  - 2.5.3 Trillium Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.5.4 Business Overview
  - 2.5.5 Trillium News
- 2.6 PHPK Technologies
  - 2.6.1 Profile
  - 2.6.2 Cryopump Type and Applications
    - 2.6.2.1 Type
    - 2.6.2.2 Type
  - 2.6.3 PHPK Technologies Cryopump Sales, Price, Revenue, Gross Margin and Market

Share (2016-2017)

2.6.4 Business Overview

2.6.5 PHPK Technologies News

2.7 Vacree

2.7.1 Profile

2.7.2 Cryopump Type and Applications

2.7.2.1 Type

2.7.2.2 Type

2.7.3 Vacree Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.4 Business Overview

2.7.5 Vacree News

### **3 NORTH AMERICA CRYOPUMP MARKET COMPETITION, BY MANUFACTURER**

3.1 North America Cryopump Sales and Market Share by Manufacturer (2016-2017)

3.2 North America Cryopump Revenue and Market Share by Manufacturer (2016-2017)

3.3 North America Cryopump Price by Manufacturers (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Cryopump Manufacturer Market Share

3.4.2 Top 5 Cryopump Manufacturer Market Share

3.5 Market Competition Trend

### **4 NORTH AMERICA CRYOPUMP MARKET ANALYSIS BY COUNTRIES**

4.1 North America Cryopump Sales Market Share by Countries

4.2 North America Cryopump Sales by Countries (2012-2017)

4.3 North America Cryopump Revenue (Value) by Countries (2012-2017)

### **5 NORTH AMERICA MARKET SEGMENTATION CRYOPUMP BY TYPE**

5.1 North America Cryopump Sales, Revenue and Market Share by Type (2012-2017)

5.1.1 North America Cryopump Sales and Market Share by Type (2012-2017)

5.1.2 North America Cryopump Revenue and Market Share by Type (2012-2017)

5.2 ?1000std. liter Sales Growth and Price

5.2.1 North America ?1000std. liter Sales Growth (2012-2017)

5.2.2 North America ?1000std. liter Price (2012-2017)

5.3 1000-2000std. liter Sales Growth and Price

5.3.1 North America 1000-2000std. liter Sales Growth (2012-2017)

- 5.3.2 North America 1000-2000std. liter Price (2012-2017)
- 5.4 2000-4000std. liter Sales Growth and Price
  - 5.4.1 North America 2000-4000std. liter Sales Growth (2012-2017)
  - 5.4.2 North America 2000-4000std. liter Price (2012-2017)
- 5.5 ?4000std. liter Sales Growth and Price
  - 5.5.1 North America ?4000std. liter Sales Growth (2012-2017)
  - 5.5.2 North America ?4000std. liter Price (2012-2017)

## **6 NORTH AMERICA MARKET SEGMENTATION CRYOPUMP BY APPLICATION**

- 6.1 North America Cryopump Sales Market Share by Application (2012-2017)
- 6.2 Semiconductor Manufacturing Sales Growth (2012-2017)
- 6.3 Vacuum Coating Sales Growth (2012-2017)
- 6.4 Particle Accelerators Sales Growth (2012-2017)
- 6.5 Sputter Deposition Systems Sales Growth (2012-2017)
- 6.6 Other Applications Sales Growth (2012-2017)

## **7 UNITED STATES CRYOPUMP SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

- 7.1 United States Cryopump Revenue, Sales and Growth Rate (2012-2017)
- 7.2 United States Cryopump Sales and Market Share by Type
- 7.3 United States Cryopump Sales by Application (2012-2017)
- 7.4 United States Cryopump Sales, Revenue and Market Share by Manufacturer
  - 7.4.1 United States Cryopump Sales and Market Share by Manufacturer
  - 7.4.2 United States Cryopump Revenue and Market Share by Manufacturer
- 7.5 United States Cryopump Export and Import (2012-2017)

## **8 CANADA CRYOPUMP SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

- 8.1 Canada Cryopump Revenue, Sales and Growth Rate (2012-2017)
- 8.2 Canada Cryopump Sales and Market Share by Type
- 8.3 Canada Cryopump Sales by Application (2012-2017)
- 8.4 Canada Cryopump Sales, Revenue and Market Share by Manufacturer
  - 8.4.1 Canada Cryopump Sales and Market Share by Manufacturer
  - 8.4.2 Canada Cryopump Revenue and Market Share by Manufacturer
- 8.5 Canada Cryopump Export and Import (2012-2017)

## **9 MEXICO CRYOPUMP SALES, REVENUE, BY TYPE, APPLICATION AND MANUFACTURERS**

- 9.1 Mexico Cryopump Revenue, Sales and Growth Rate (2012-2017)
- 9.2 Mexico Cryopump Sales and Market Share by Type
- 9.3 Mexico Cryopump Sales by Application (2012-2017)
- 9.4 Mexico Cryopump Sales, Revenue and Market Share by Manufacturer
  - 9.4.1 Mexico Cryopump Sales and Market Share by Manufacturer
  - 9.4.2 Mexico Cryopump Revenue and Market Share by Manufacturer
- 9.5 Mexico Cryopump Export and Import (2012-2017)

## **10 CRYOPUMP MARKET FORECAST (2017-2022)**

- 10.1 North America Cryopump Sales, Revenue and Growth Rate (2017-2022)
- 10.2 Cryopump Market Forecast by Countries (2017-2022)
  - 10.2.1 United States Cryopump Forecast (2017-2022)
  - 10.2.2 Canada Cryopump Forecast (2017-2022)
  - 10.2.3 Mexico Cryopump Forecast (2017-2022)
- 10.3 Cryopump Market Forecast by Type (2017-2022)
- 10.4 Cryopump Market Forecast by Application (2017-2022)

## **11 CRYOPUMP MANUFACTURING COST ANALYSIS**

- 11.1 Cryopump Key Raw Materials Analysis
  - 11.1.1 Key Raw Materials
  - 11.1.2 Price Trend of Key Raw Materials
  - 11.1.3 Key Suppliers of Raw Materials
  - 11.1.4 Market Concentration Rate of Raw Materials
- 11.2 Proportion of Manufacturing Cost Structure
  - 11.2.1 Raw Materials
  - 11.2.2 Labor Cost
  - 11.2.3 Manufacturing Expenses
- 11.3 Manufacturing Process Analysis of Cryopump

## **12 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

- 12.1 Cryopump Industrial Chain Analysis
- 12.2 Upstream Raw Materials Sourcing
- 12.3 Raw Materials Sources of Cryopump Major Manufacturers in 2016

12.4 Downstream Buyers

## **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 Analyst Introduction

15.3 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Cryopump Picture  
Table Product Specifications of Cryopump  
Figure North America Sales Market Share of Cryopump by Types in 2016  
Table Types of Cryopump  
Figure ?1000std. liter Picture  
Table Major Manufacturers of ?1000std. liter  
Figure 1000-2000std. liter Picture  
Table Major Manufacturers of 1000-2000std. liter  
Figure 2000-4000std. liter Picture  
Table Major Manufacturers of 2000-4000std. liter  
Figure ?4000std. liter Picture  
Table Major Manufacturers of ?4000std. liter  
Table North America Cryopump Sales Market Share by Applications in 2016  
Table Applications of Cryopump  
Figure Semiconductor Manufacturing Picture  
Figure Vacuum Coating Picture  
Figure Particle Accelerators Picture  
Figure Sputter Deposition Systems Picture  
Figure Other Applications Picture  
Figure United States Cryopump Revenue (Million USD) and Growth Rate (2012-2022)  
Figure Mexico Cryopump Revenue (Million USD) and Growth Rate (2012-2022)  
Figure Canada Cryopump Revenue (Million USD) and Growth Rate (2012-2022)  
Table SHI Cryogenics Group Basic Information, Manufacturing Base and Competitors  
Table SHI Cryogenics Group Cryopump Type and Applications  
Table SHI Cryogenics Group Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Ulvac Basic Information, Manufacturing Base and Competitors  
Table Ulvac Cryopump Type and Applications  
Table Ulvac Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Brooks Basic Information, Manufacturing Base and Competitors  
Table Brooks Cryopump Type and Applications  
Table Brooks Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Leybold Basic Information, Manufacturing Base and Competitors

Table Leybold Cryopump Type and Applications  
Table Leybold Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Trillium Basic Information, Manufacturing Base and Competitors  
Table Trillium Cryopump Type and Applications  
Table Trillium Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table PHPK Technologies Basic Information, Manufacturing Base and Competitors  
Table PHPK Technologies Cryopump Type and Applications  
Table PHPK Technologies Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Vacree Basic Information, Manufacturing Base and Competitors  
Table Vacree Cryopump Type and Applications  
Table Vacree Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table North America Cryopump Sales by Manufacturer (2016-2017)  
Figure North America Cryopump Sales Market Share by Manufacturer in 2016  
Figure North America Cryopump Sales Market Share by Manufacturer in 2017  
Table North America Cryopump Revenue by Manufacturer (2016-2017)  
Figure North America Cryopump Revenue Market Share by Manufacturer in 2016  
Figure North America Cryopump Revenue Market Share by Manufacturer in 2017  
Table North America Cryopump Price by Manufacturers (2016-2017)  
Figure Top 3 Cryopump Manufacturer Market Share in 2016  
Figure Top 3 Cryopump Manufacturer Market Share in 2017  
Figure Top 5 Cryopump Manufacturer Market Share in 2016  
Figure Top 5 Cryopump Manufacturer Market Share in 2017  
Figure North America Cryopump Sales and Growth (2012-2017)  
Table North America Cryopump Sales by Countries (2012-2017)  
Table North America Cryopump Sales Market Share by Countries (2012-2017)  
Figure North America 2012 Cryopump Sales Market Share by Countries  
Figure North America 2016 Cryopump Sales Market Share by Countries  
Figure North America Cryopump Revenue and Growth (2012-2017)  
Table North America Cryopump Revenue by Countries (2012-2017)  
Table North America Cryopump Revenue Market Share by Countries (2012-2017)  
Table North America 2012 Cryopump Revenue Market Share by Countries  
Table North America 2016 Cryopump Revenue Market Share by Countries  
Table North America Cryopump Sales by Type (2012-2017)  
Table North America Cryopump Sales Share by Type (2012-2017)  
Table North America Cryopump Revenue by Type (2012-2017)

Table North America Cryopump Revenue Share by Type (2012-2017)  
Figure North America ?1000std. liter Sales Growth (2012-2017)  
Figure North America ?1000std. liter Price (2012-2017)  
Figure North America 1000-2000std. liter Sales Growth (2012-2017)  
Figure North America 1000-2000std. liter Price (2012-2017)  
Figure North America 2000-4000std. liter Sales Growth (2012-2017)  
Figure North America 2000-4000std. liter Price (2012-2017)  
Figure North America ?4000std. liter Sales Growth (2012-2017)  
Figure North America ?4000std. liter Price (2012-2017)  
Table North America Cryopump Sales by Application (2012-2017)  
Table North America Cryopump Sales Share by Application (2012-2017)  
Figure North America Semiconductor Manufacturing Sales Growth (2012-2017)  
Figure North America Vacuum Coating Sales Growth (2012-2017)  
Figure North America Particle Accelerators Sales Growth (2012-2017)  
Figure North America Sputter Deposition Systems Sales Growth (2012-2017)  
Figure North America Other Applications Sales Growth (2012-2017)  
Figure United States Cryopump Revenue and Growth (2012-2017)  
Figure United States Cryopump Sales and Growth (2012-2017)  
Table United States Cryopump Sales by Type (2012-2017)  
Table United States Cryopump Sales Market Share by Type (2012-2017)  
Table United States Cryopump Sales by Application (2012-2017)  
Table United States Cryopump Sales Market Share by Application (2012-2017)  
Table United States Cryopump Sales by Manufacturer (2016-2017)  
Figure United States Cryopump Sales Market Share by Manufacturer in 2016  
Figure United States Cryopump Sales Market Share by Manufacturer in 2017  
Table United States Cryopump Revenue by Manufacturer (2016-2017)  
Figure United States Cryopump Revenue Market Share by Manufacturer in 2016  
Figure United States Cryopump Revenue Market Share by Manufacturer in 2017  
Table United States Cryopump Export and Import (2012-2017)  
Figure Canada Cryopump Revenue and Growth (2012-2017)  
Figure Canada Cryopump Sales and Growth (2012-2017)  
Table Canada Cryopump Sales by Type (2012-2017)  
Table Canada Cryopump Sales Market Share by Type (2012-2017)  
Table Canada Cryopump Sales by Application (2012-2017)  
Table Canada Cryopump Sales Market Share by Application (2012-2017)  
Table Canada Cryopump Sales by Manufacturer (2016-2017)  
Figure Canada Cryopump Sales Market Share by Manufacturer in 2016  
Figure Canada Cryopump Sales Market Share by Manufacturer in 2017  
Table Canada Cryopump Revenue by Manufacturer (2016-2017)

Figure Canada Cryopump Revenue Market Share by Manufacturer in 2016  
Figure Canada Cryopump Revenue Market Share by Manufacturer in 2017  
Table Canada Cryopump Export and Import (2012-2017)  
Figure Mexico Cryopump Revenue and Growth (2012-2017)  
Figure Mexico Cryopump Sales and Growth (2012-2017)  
Table Mexico Cryopump Sales by Type (2012-2017)  
Table Mexico Cryopump Sales Market Share by Type (2012-2017)  
Table Mexico Cryopump Sales by Application (2012-2017)  
Table Mexico Cryopump Sales Market Share by Application (2012-2017)  
Table Mexico Cryopump Sales by Manufacturer (2016-2017)  
Figure Mexico Cryopump Sales Market Share by Manufacturer in 2016  
Figure Mexico Cryopump Sales Market Share by Manufacturer in 2017  
Table Mexico Cryopump Revenue by Manufacturer (2016-2017)  
Figure Mexico Cryopump Revenue Market Share by Manufacturer in 2016  
Figure Mexico Cryopump Revenue Market Share by Manufacturer in 2017  
Table Mexico Cryopump Export and Import (2012-2017)  
Figure North America Cryopump Sales, Revenue and Growth Rate (2017-2022)  
Table North America Cryopump Sales Forecast by Countries (2017-2022)  
Table North America Cryopump Market Share Forecast by Countries (2017-2022)  
Figure United States Cryopump Sales Forecast (2017-2022)  
Figure Canada Cryopump Sales Forecast (2017-2022)  
Figure Mexico Cryopump Sales Forecast (2017-2022)  
Table North America Cryopump Sales Forecast by Type (2017-2022)  
Table North America Cryopump Market Share Forecast by Type (2017-2022)  
Table North America Cryopump Sales Forecast by Application (2017-2022)  
Table North America Cryopump Market Share Forecast by Application (2017-2022)  
Table Sales Base and Market Concentration Rate of Raw Material  
Figure Price Trend of Key Raw Materials  
Table Key Suppliers of Raw Materials  
Figure Manufacturing Cost Structure of Cryopump  
Figure Manufacturing Process Analysis of Cryopump  
Figure Cryopump Industrial Chain Analysis  
Table Raw Materials Sources of Cryopump Major Manufacturers in 2016  
Table Major Buyers of Cryopump  
Table Distributors/Traders/ Dealers List

## I would like to order

Product name: North America Cryopump Market by Manufacturers, Countries, Type and Application, Forecast to 2022

Product link: <https://marketpublishers.com/r/N94833587FFEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N94833587FFEN.html>