

[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table
& Chart 5](#)

[Sample Profile, Table &
Forecast 6](#)

[Order Form & Corporate
Use License 7](#)

[About Freedonia,
Custom Research,
Related Studies, 8](#)



Consumer Water Purification & Air Cleaning Systems

US Industry Study with Forecasts for **2014 & 2019**

Study #2720 | March 2011 | \$5100 | 297 pages

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Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
Macroeconomic Trends	4
Consumer Spending Trends	8
Demographic Trends	10
Residential Building Construction	13
Housing Completions	15
Housing Stock	19
Improvements & Repairs	22
Pricing Trends	23
Environmental/Regulatory Considerations	26
Water	27
Air	31
World Outlook	33
North America	34
Western Europe	35
Asia/Pacific	35
Other Regions	37

TECHNOLOGIES

General	38
Water	40
Conventional Filtration	46
Adsorptive	48
Mechanical	51
Reverse Osmosis	52
Technology	55
Configurations	57
Distillation	58
Technology	60
Configurations	61
Other Technologies	62
Ultraviolet Disinfection	64
Ozone Treatment	67
All Other	68
Air	69
Conventional Filtration	75
Electrostatic	78
Ionization	81
Other Technologies	83
Ultraviolet Treatment	84
Ozone Treatment	85

PRODUCTS

General	87
Water Purification Systems	89
Point-of-Entry	94
Systems	97
Suppliers	98

Point-of-Use	99
Under-the-Sink Units	105
Systems	107
Suppliers	108
Counter-Top Units	109
Systems	112
Suppliers	113
Faucet-Mounted Units	114
Systems	116
Suppliers	117
Flow-Through Units	117
Systems	119
Suppliers	121
Others	121
Systems	123
Suppliers	124
Market Share	126
By Volume	126
By Value	129
Air Cleaning Systems	130
Whole-House Systems	133
Systems	136
Suppliers	137
Portable Systems	138
Systems	140
Suppliers	142
Market Share	143
Aftermarket Filters & Membranes	145
Replacement Water Filters	148
Replacement Air Filters	151
Replacement Membranes	154

REGIONAL MARKETS

General	157
Regional Demographic & Economic Trends	157
Population Patterns	158
Economic Outlook	160
Construction Activity	161
Housing Trends	163
Regional Demand for Purification Systems	165
Northeast	169
New England	172
Middle Atlantic	173
Midwest	174
East North Central	177
West North Central	178
South	179
South Atlantic	182
East South Central	184
West South Central	186

West	187
Mountain	190
Pacific	192

INDUSTRY STRUCTURE

General	194
Industry Composition	195
Market Share	198
Systems	199
Replacement Parts	201
Competitive Strategies	204
Research & Development	206
Marketing	208
Distribution	212
Acquisitions & Divestitures	213
Cooperative Agreements	215

COMPANY PROFILES

Aquion Water Treatment Products	219
Austin Air Systems	222
Axel Johnson	224
Berkshire Hathaway	226
Blueair AB	228
CLARCOR Incorporated	231
Clorox Company	234
Culligan International	236
Essick Air Products	238
Flanders Corporation	239
General Electric	241
Helen of Troy	247
Honeywell International	249
Hunter Fan	252
Incen AG	254
Ingersoll-Rand plc	256
ITT Corporation	258
Jarden Corporation	260
LG Electronics	262
NACCO Industries	264
Panasonic Corporation	266
Pentair Incorporated	268
Polar Bear Water Group 1978	272
Procter & Gamble	274
Regal Ware	276
Research Products	277
3M Company	279
Tomkins plc	282
United Technologies	284
Veolia Environnement	287
Whirlpool Corporation	289
Additional Companies	291

List of Tables

EXECUTIVE SUMMARY

1 Summary Table3

MARKET ENVIRONMENT

1 Macroeconomic Indicators8
2 Personal Consumption Expenditures .. 10
3 Population & Households 13
4 Residential Building Construction Expenditures 15
5 Housing Completions 19
6 Housing Stock by Type 21
7 Residential Improvement & Repair Expenditures 23
8 Pricing in Consumer Water Purification & Air Cleaning Systems 26

TECHNOLOGIES

1 Consumer Water Purification & Air Cleaning System Demand 40
2 Consumer Water Purification System Demand by Technology 44
3 Conventional Water Filtration System Demand 48
4 Reverse Osmosis Water Purification System Demand 55
5 Distillation Water Purification System Demand 60
6 Other Water Purification System Demand 64
7 Consumer Air Cleaning System Demand by Technology 73
8 Conventional Air Filtration Cleaning System Demand 78
9 Electrostatic Air Cleaning System Demand 81
10 Ionization Air Cleaning System Demand 83
11 Other Air Cleaning System Demand ... 84

PRODUCTS

1 Consumer Water Purification & Air Cleaning System & Replacement Part Demand 89
2 Consumer Water Purification System Demand by Type 94
3 Point-of-Entry Water Purification System Demand 97

4 Point-of-Use Water Purification System Demand 103
5 Under-the-Sink Water Purification System Demand 107
6 Counter-Top Water Purification System Demand 112
7 Faucet-Mounted Water Purification System Demand 116
8 Flow-Through Water Purification System Demand 119
9 Other Point-of-Use Water Purification System Demand 123
10 Consumer Air Cleaning System Demand by Type 133
11 Whole-House Air Cleaning System Demand 136
12 Portable Air Cleaning System Demand 140
13 Demand for Replacement Filters & Membranes for Consumer Water Purification & Air Cleaning Systems 148
14 Replacement Water Filter Demand... 151
15 Replacement Air Filter Demand 153
16 Replacement Membrane Demand..... 156

REGIONAL MARKETS

1 Population by Region 159
2 Gross Domestic Product by Region .. 161
3 Construction Expenditures by Region 163
4 Regional Housing Indicators 165
5 Consumer Water Purification & Air Cleaning System Demand by Region & Type 168
6 Northeast Water Purification & Air Cleaning System Demand 171
7 Midwest Water Purification & Air Cleaning System Demand 177
8 South Water Purification & Air Cleaning System Demand 182
9 West Water Purification & Air Cleaning System Demand 190

INDUSTRY STRUCTURE

1 Consumer Water Purification & Air Cleaning System Sales by Company, 2009 197
2 Selected Acquisitions & Divestitures 215
3 Selected Cooperative Agreements ... 217

List of Charts

MARKET ENVIRONMENT

1 Year of Construction of Housing Stock, 2009 22
2 World Consumer Water Purification & Air Cleaning System Demand by Region, 2009 34

TECHNOLOGIES

1 Consumer Water Purification System Demand: Volume Versus Value, 2009 45
2 Air Cleaning System Demand: Volume Versus Value, 2009 74

PRODUCTS

1 Point-of-Use Water Purification System Demand: Volume Versus Value, 2009 104
2 Consumer Water Purification System Market Share by Volume, 2009 128
3 Consumer Water Purification System Market Share by Value, 2009 130
4 Consumer Air Cleaning System Market Share, 2009 143

REGIONAL MARKETS

1 Regional Demand for Consumer Water Purification & Air Cleaning Systems, 2009 169

INDUSTRY STRUCTURE

1 Consumer Water Purification & Air Cleaning System & Replacement Part Market Share, 2009 199
2 Consumer Water Purification & Air Cleaning System Market Share, 2009 201
3 Consumer Water Purification & Air Cleaning Systems' Replacement Parts Market Share, 2009 203

Gains will be driven in part by consumer concerns about the quality of the air and water in the home and increased awareness of the health and aesthetic benefits of purification systems.

US demand to rise 5.2% annually through 2014

Demand for consumer water purification and air cleaning systems is expected to increase 5.2 percent per year through 2014, benefiting in part from projected rebounds in consumer spending on durable goods and in residential construction spending, which both suffered during the 2007-2009 recession. Gains will also be driven by consumer concerns about the quality of the air and water in the home and increased awareness of the health and aesthetic benefits of these systems. The development of quieter and more user-friendly systems and higher-cost systems that are designed to blend with consumers' home décor will also boost demand. Additionally, existing owners of purification systems are continuing to upgrade to higher-value versions featuring performance indicators and multiple treatment technologies.

Conventional filters to remain top water purifier

Water purification systems that feature conventional filtration media accounted for the majority of demand for water systems in 2009, with 76 percent of sales value. However, faster growth will be registered by higher-value reverse osmosis and distillation systems, although from significantly smaller bases. These systems can remove a broader range of contaminants compared to conventional filters. In general, the market size depends on the perceived

US Purification System Demand (\$1.7 billion, 2014)



quality of local tap water supplies. In 2009, point-of-use (POU) systems, which are installed at a single outlet, had the larger share of demand for water purification systems. However, sales of point-of-entry (POE) systems, which treat all water that enters a home, are expected to post faster growth through 2014, albeit from a very low base, due in part to the rebound in home building.

Electrostatic filters to pace air cleaner segment

Among air cleaners, conventional filtration systems accounted for the largest share of value demand with 47 percent in 2009, because they offer relatively inexpensive, thorough air

cleaning and minimal to no ozone production. However, electrostatic air cleaners, which often operate more quietly and efficiently, are projected to achieve faster gains through 2014. Many consumers have shifted away from ionic air cleaners and ozone generators out of concern regarding the amount of ozone - a lung irritant -- these systems generate. Portable air cleaners, which are designed to treat the air in a single room, accounted for the larger share of air cleaner sales in 2009. Sales of portable air cleaners are expected to continue to grow at a rate faster than that of whole-house air system sales, due in part to their lower purchase prices and operational costs and their ability to be used without a forced air HVAC system.

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Sample Text, Table & Chart

PRODUCTS

Under-the-Sink Units -- Sales of POU water purifiers that are installed under the sink are forecast to advance year to year through 2019, which is an acceleration from the 2008-2010 period. Since these systems are installed during construction, sales were higher during the construction boom. Further, the market began in late 2007 and stricter building codes have caused some households from expensive under-the-sink systems capable of thorough filtration. Households likely opted instead for a less expensive faucet pour-through system or deferred purchasing a system. As credit conditions improve, these households are expected to purchase more comprehensive under-the-sink unit or make the purchase previously delayed.

Growth will also be driven by consumer interest in more comprehensive systems capable of removing compounds such as fluoride, chlorine and arsenic. Additionally, consumers are interested in higher-volume water treatment options. Under-the-sink systems, which are available using a variety of treatment technologies, are generally the POU systems best suited to providing large amounts of highly treated water. Furthermore, the number of states that allow small water utilities to use POU systems as a cost-efficient means of achieving compliance with water regulations has continued to grow. As more small public water systems opt to respond to changing water regulations by installing under-the-sink systems, there will be opportunities for growth in these systems. Under-the-sink systems are also commonly used to provide higher level treatment for residents who use water from private wells and hence are responsible for treating their own water. There is concern among private system users about elevated levels of nitrates in well water, and the level of treatment necessary to remove these compounds is more commonly available in under-the-sink systems.

105

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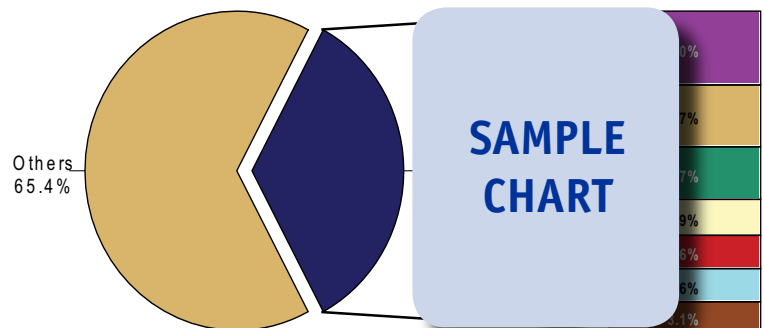
TABLE IV-2
CONSUMER WATER PURIFICATION SYSTEM DEMAND BY TYPE
 (million dollars)

Item	1999	2004	2009	2014	2019
Households (million)	100	100	100	100	100
units/000 households	10	15	20	25	30
Water Purification Systems (000)	100	150	200	250	300
Point-of-Entry	10	15	20	25	30
Point-of-Use	90	135	180	225	270
\$/unit	8	8	8	8	8
Water Purification Systems	5	10	15	20	25
Point-of-Entry	5	10	15	20	25
Point-of-Use	5	10	15	20	25
% water	1	1	1	1	1
Water Purification/Air Cleaning Systems	10	15	20	25	30

SAMPLE TABLE

CHART VI-3

CONSUMER WATER PURIFICATION & AIR CLEANING SYSTEMS' REPLACEMENT PARTS MARKET SHARE
 (\$1.9 billion, 2009)

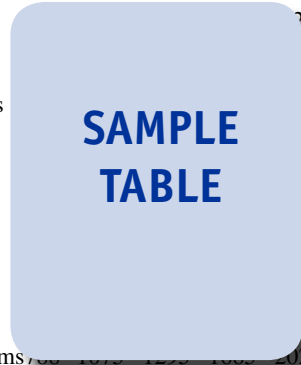


SAMPLE CHART

Sample Profile, Table & Forecast

TABLE V-6
NORTHEAST WATER PURIFICATION & AIR CLEANING SYSTEM DEMAND
 (million dollars)

Item	1999	2004	2009	2014	2019
Households (millions)					3.6
\$/household					1.1
Northeast Water Purifiers/Air Cleaners					77
By Subregion:					
New England					36
Middle Atlantic					91
By Type:					
Water					38
Air					39
% Northeast					1.6
Water Purification/Air Cleaning Systems	100	100	125	100	200



COMPANY PROFILES

Flanders Corporation
 531 Flanders Filters Road
 Washington, NC 27889
 252-946-8081
<http://www.flanderscorp.com>

Sales: \$
 Employe

Key Pro



Flanders Corporation and markets air filters and related products for residential and industrial markets. The Company's products are used in commercial heating, ventilation, and air conditioning (HVAC) systems; conductor manufacturing; biotechnology; pharmaceutical; and nuclear power generating applications. The majority of Flanders' revenues are derived from the sale of replacement filters.

The Company participates in the US consumer water purification and air cleaning systems industry through the production and marketing of air filters under the FLANDERS-PRECISIONAIRE brand name. For residential applications, the Company makes such air filters as EZ FLOW and EZ FLOW II disposable, fiberglass types designed for use in furnaces and central air units; HD industrial-grade filters, which use fiberglass or synthetic polyester fiber media; PRE PLEAT 62MR11 pleated panel filters that use bi-component synthetic media to clean air; and PRE PLEAT 40 extended-surface pleated filters, which use non-woven synthetic media that is manufactured from recyclable material.

Production operations for Flanders are conducted at US facilities in Washington (2) and Smithfield (2), North Carolina; Bartow, Florida;

"Demand for water purification and air cleaning systems in the New England subregion is expected to advance 7.5 percent per year to \$145 million in 2014, well above the national average. Although the subregion's population and GDP growth will lag the rest of the country, demand will be driven by other factors. For instance, New England has the highest prevalence of asthma in the country, and these consumers are among the most likely to purchase air cleaning systems for their homes."
 --Section V, pg. 172

OTHER STUDIES

World Water Disinfection Products

World demand for water disinfection products will increase 7.5 percent through 2014. In the developed world, gains will be prompted by efforts to reduce the environmental impact of water disinfection. In developing areas, efforts are underway to increase water treatment rates and quality up to advanced country standards. This study analyzes \$5.7 billion the world water disinfection product industry, with forecasts for 2014 and 2019 by product, market, world region and for 20 countries. It also evaluates company market share and profiles industry participants.

#2723 February 2011 \$5900

World Major Household Appliances

Global major appliance demand will rise 2.8 percent yearly through 2013, driven primarily by market penetration in developing countries. In developed regions, appliance sales will depend mainly on steady replacement demand, new home building and the development of new features that prompt upgrading. This study analyzes the 434 million unit world major appliance industry, with forecasts for 2013 and 2018 by product, world region and for 25 countries. It also evaluates company market share and profiles industry players.

#2588 December 2009 \$6100

World Filters

Global demand for filters is forecast to expand 5.1 percent annually through 2013. Market advances in the developing areas will considerably outpace increases in the US, Western Europe and Japan. Sales of air purification filters will be the fastest growing segment while internal combustion engine and related filters remain the largest. This study analyzes the \$45.5 billion world filter industry, with forecasts for 2013 and 2018 by product, market, world region and for 26 countries. It also evaluates market share and profiles industry players.

#2568 November 2009 \$6100

Membrane Separation Technologies

US demand for membrane materials will rise 8 percent per year through 2014. Nonpolymeric membranes will outpace the dominant polymeric segment. Ultrafiltration and reverse osmosis types will be the fastest growing. Chemical processing and pharmaceutical/medical uses will be among the best market opportunities. This study analyzes the \$3.3 billion US membrane industry, with forecasts for 2014 and 2019 by type, application and market. It also evaluates company market share and profiles industry players.

#2632 May 2010 \$4900

World Water Treatment Products

Global water treatment product demand will rise 5.7 percent yearly through 2013. Large developing markets such as China and India will grow the fastest. Gains in developed areas will be based on efforts to increase water reuse, improve the aesthetic quality of drinking water and further reduce water contamination. This study analyzes the \$44.6 billion world water treatment product industry, with forecasts for 2013 and 2018 by product, market, world region and for 23 countries. It also evaluates market share and profiles industry players.

#2563 November 2009 \$6100

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