

# Selected Air Pollution Control Equipment

## 1998

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Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: [www.stat-usa.gov/](http://www.stat-usa.gov/).

### NOTE

Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

### SUMMARY OF FINDINGS

Shipments (and onsite construction in certain instances) of industrial air pollution devices in 1998 totaled \$844.5 million, of which \$534.9 million were particulate emissions collectors, \$203.0 million were gaseous emissions control devices, and \$106.5 million were other and not specified by kind emission control devices. Shipments decreased by 0.1 percent from the 1997 level of \$845.3 million.

New orders increased by 6.8 percent in 1998 to \$848.2 million, from \$794.3 million in 1997. Backlog of orders increased by 0.9 percent in 1998 to \$414.3 million, from \$410.6 million in 1997.

Current  
Industrial  
Reports

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Keeley Voor, 301-457-1604.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

## U S C E N S U S B U R E A U

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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. Census Bureau



Table 1. New Orders, Shipments, and Backlog of Orders for Selected Industrial Air Pollution Control Equipment: 1998 and 1997  
[Quantity in number of units. Value in thousands of dollars]

| Product code                              | Product description                                                       | Number of companies | Net new orders<br>(net bookings) |         | Shipments |         | Backlog of orders<br>December 31 |         |
|-------------------------------------------|---------------------------------------------------------------------------|---------------------|----------------------------------|---------|-----------|---------|----------------------------------|---------|
|                                           |                                                                           |                     | Quantity                         | Value   | Quantity  | Value   | Quantity                         | Value   |
| 1998                                      |                                                                           |                     |                                  |         |           |         |                                  |         |
| Selected industrial air pollution control |                                                                           |                     |                                  |         |           |         |                                  |         |
|                                           | equipment .....                                                           | 110                 | (S)                              | 848,174 | (S)       | 844,463 | (S)                              | 414,273 |
|                                           | Particulate emissions collectors.....                                     | 86                  | 81,718                           | 511,142 | 82,013    | 534,885 | 11,177                           | 173,440 |
| 3334111111                                | Electrostatic precipitators.....                                          | 14                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 3334111114                                | Fabric filters.....                                                       | 55                  | 64,888                           | 302,920 | 65,096    | 302,850 | 9,614                            | 72,808  |
| 3334111116                                | Mechanical collectors.....                                                | 34                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 3334111119                                | Wet scrubbers.....                                                        | 26                  | 1,323                            | 57,706  | 1,362     | 42,406  | 182                              | 32,800  |
|                                           | Gaseous emissions control devices.....                                    | 38                  | (S)                              | 237,300 | (S)       | 203,048 | (S)                              | 217,974 |
| 333411111C                                | Catalytic oxidation systems.....                                          | 11                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111E                                | Nitric oxide (NO) control systems.....                                    | 2                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111G                                | Thermal and direct oxidation systems.....                                 | 17                  | (S)                              | 61,614  | (S)       | 73,776  | (S)                              | 37,719  |
| 333411111J                                | Scrubbers (gas adsorber, except<br>flue gas desulfurization systems)..... | 11                  | 436                              | 24,494  | 461       | 21,678  | 114                              | 12,473  |
| 333411111M                                | Wet flue gas desulfurization systems.....                                 | 3                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111P                                | Dry flue gas desulfurization systems.....                                 | 2                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111R                                | Gas adsorbers.....                                                        | 8                   | 36                               | 14,899  | 47        | 14,631  | 15                               | 9,372   |
| 333411111U                                | Other and not specified by kind<br>emissions control devices.....         | 16                  | (S)                              | 99,732  | (S)       | 106,530 | (S)                              | 22,859  |
| 1997                                      |                                                                           |                     |                                  |         |           |         |                                  |         |
| Selected industrial air pollution control |                                                                           |                     |                                  |         |           |         |                                  |         |
|                                           | equipment .....                                                           | 114                 | (S) r/                           | 794,319 | (S) r/    | 845,333 | (S) r/                           | 410,562 |
|                                           | Particulate emissions collectors.....                                     | 90                  | 80,478 r/                        | 531,051 | 77,686    | 513,705 | 11,472 r/                        | 197,183 |
| 3334111111                                | Electrostatic precipitators.....                                          | 16                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 3334111114                                | Fabric filters.....                                                       | 54                  | 61,795 r/                        | 302,336 | 58,750 r/ | 280,475 | 9,822                            | 72,738  |
| 3334111116                                | Mechanical collectors.....                                                | 37                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 3334111119                                | Wet scrubbers.....                                                        | 26                  | 1,240                            | 47,734  | 1,249     | 57,585  | 221                              | 17,500  |
|                                           | Gaseous emissions control devices.....                                    | 42                  | (S) r/                           | 151,953 | (S) r/    | 220,273 | (S) r/                           | 183,722 |
| 333411111C                                | Catalytic oxidation systems.....                                          | 12                  | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111E                                | Nitric oxide (NO) control systems.....                                    | 2                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111G                                | Thermal and direct oxidation systems.....                                 | 19                  | (S) r/                           | 78,246  | (S) r/    | 70,059  | (S) r/                           | 49,881  |
| 333411111J                                | Scrubbers (gas adsorber, except<br>flue gas desulfurization systems)..... | 13                  | 504                              | 26,409  | 470       | 23,065  | 139                              | 9,657   |
| 333411111M                                | Wet flue gas desulfurization systems.....                                 | 4                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111P                                | Dry flue gas desulfurization systems.....                                 | 3                   | (D)                              | (D)     | (D)       | (D)     | (D)                              | (D)     |
| 333411111R                                | Gas adsorbers.....                                                        | 7                   | 20                               | 5,167   | 35        | 9,900   | 26                               | 9,104   |
| 333411111U                                | Other and not specified by kind<br>emissions control devices.....         | 19                  | (S) r/                           | 111,315 | (S) r/    | 111,355 | (S) r/                           | 29,657  |

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.  
S Does not meet publication standards.

Table 2. Value of Shipments of Selected Air Pollution Control Equipment by End Use: 1998 and 1997  
[Thousands of dollars]

| Product description                             | Particulate emissions<br>collectors |           | Gaseous emissions<br>control devices |            | Other and not specified<br>by kind emissions<br>control devices |            |
|-------------------------------------------------|-------------------------------------|-----------|--------------------------------------|------------|-----------------------------------------------------------------|------------|
|                                                 | 1998                                | 1997      | 1998                                 | 1997       | 1998                                                            | 1997       |
| Shipments.....                                  | 534,885                             | 513,705   | 203,048                              | r/ 220,273 | 106,530                                                         | r/ 111,355 |
| Steam power plants, electric utility.....       | 48,037                              | r/ 32,219 | (D)                                  | (D)        | (D)                                                             | (D)        |
| Steam power plants, industrial.....             | (D)                                 | (D)       | (D)                                  | (D)        | (D)                                                             | (D)        |
| Coal mining and cleaning.....                   | (D)                                 | (D)       | -                                    | -          | -                                                               | -          |
| Petroleum refining.....                         | (D)                                 | (D)       | (D)                                  | (D)        | (D)                                                             | (D)        |
| Foundries.....                                  | 3,237                               | r/ 3,637  | (D)                                  | -          | (D)                                                             | (D)        |
| Iron and steel mills.....                       | 11,251                              | r/ 11,141 | (D)                                  | (D)        | (D)                                                             | (D)        |
| Primary nonferrous metal smelting plants.....   | 4,906                               | 4,011     | (D)                                  | (D)        | (D)                                                             | (D)        |
| Chemical and fertilizer production.....         | 54,754                              | r/ 54,876 | 12,487                               | r/ 13,081  | (D)                                                             | (D)        |
| Cement manufacturing.....                       | 6,578                               | 6,831     | -                                    | -          | (D)                                                             | (D)        |
| Grain milling and handling.....                 | 3,693                               | 3,000     | (D)                                  | -          | (D)                                                             | (D)        |
| Pulp and paper mill operations.....             | 46,017                              | 32,534    | (D)                                  | (D)        | (D)                                                             | (D)        |
| Municipal waste combusters.....                 | 8,267                               | (D)       | (D)                                  | (D)        | -                                                               | -          |
| Other and not specified by kind industries..... | 321,700                             | 336,775   | 111,564                              | r/ 118,085 | 98,615                                                          | r/ 97,240  |

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.