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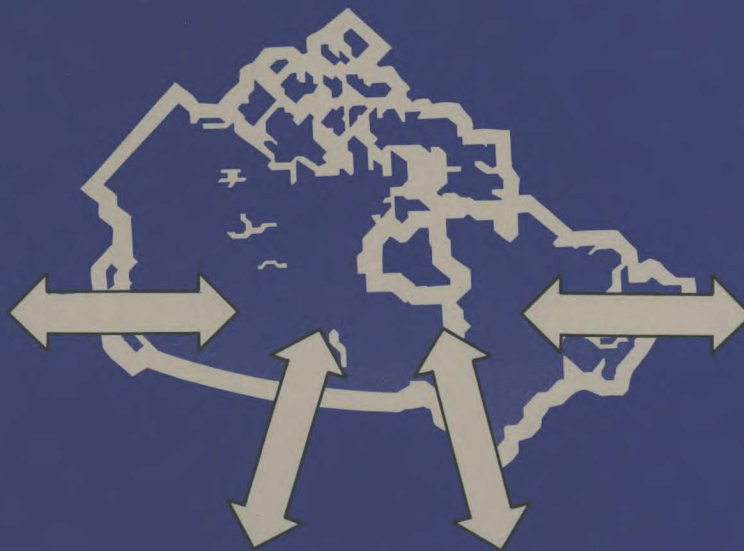
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MARKET INTELLIGENCE

**FILTERING OR PURIFYING
MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

Pub. No.: 91133-IP

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Canada



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Statistics Canada, Tel.: (613) 951-9647
Revenue Canada, Tel.: (613) 954-6946
U.S. Department of Commerce,
Bureau of the Census,
Tel.: (301) 763-7754

TARIFFS

Enquiries concerning **Canadian** tariffs should be directed to the nearest Customs and Excise office or to:

Tariff Programs
Revenue Canada
Customs and Excise
Ottawa, Ontario K1A 0L5
Tel.: (613) 954-6946
Fax.: (613) 954-2509

Enquiries concerning tariffs and other government trade regulations in **foreign** countries should be directed to:

Info Export
External Affairs
Ottawa, Ontario
K1A 0G2
Tel.: (613) 993-6435 OR
1-800-267-8376
Fax.: (613) 996-9709

EXPLANATORY NOTES

Commodity Classification

Canadian Trade statistics are classified and published according to the International Convention on the Harmonized Commodity and Description Coding System (H.S.), as defined by the Canadian Customs Tariff and Statistical Nomenclature.

Valuation

Dollar values shown in this report are based on selling price F.O.B. plant, in Canadian dollars. This selling price represents the value paid by the importer, excluding all freight, packing and insurance costs when specified. All trade discounts, when applicable, are also deducted from the selling price.

Rounding

Figures may not add due to rounding.

Canada - U.S. Exchange Rate

The Bank of Canada exchange rates were used to convert U.S. imports reported in \$US to \$Cdn.

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FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

I. INTRODUCTION AND SCOPE

This is one of a continuing series of market intelligence reports designed to increase business awareness of the potential existing for production in Canada and to assist businesses and other organizations in their market research of specific products. The detailed information provided in these reports supports studies by organizations seeking to expand existing production lines, change individual product characteristics or engage in new manufacturing investment in Canada. The coverage of a market intelligence report is developed in close consultation with the client, and is tailored to meet their specific requirements. It is important to emphasize that this report does not attempt any assessment as to the feasibility of competing in a particular market.

This report was prepared for the Globe '92 Conference held in Vancouver, British Columbia. It contains import and export data for filtering or purifying machinery and apparatus for liquids or gases.

In some instances data are provided for 1990 only. This is the result of the creation of a new Harmonized System (H.S.) code for that year. No previous data are available.

SECTION II

HARMONIZED CODING SYSTEM (H.S.)

CANADIAN DESCRIPTIONS

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

II. HARMONIZED CODING SYSTEM (H.S.) CANADIAN DESCRIPTIONS

<u>Harmonized Code</u>	<u>Description of Goods</u>
84.21	Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases. -Filtering or purifying machinery and apparatus for liquids:
8421.21.00	--For filtering or purifying water
8421.21.00.10	-----Domestic filtering machinery and apparatus
8421.21.00.20	-----Domestic purifying machinery and apparatus (including softeners)
8421.21.00.30	-----Industrial filtering machinery and apparatus.
8421.21.00.40	-----Industrial purifying machinery and apparatus (including softeners)
8421.22.00	--For filtering or purifying beverages other than water
8421.22.00.10	-----For alcoholic beverages
8421.22.00.90	-----Other
8421.23.00	--Oil or petrol-filters for internal combustion engines
8421.23.00.10	-----Oil filters for motor vehicles of Chapter 87
8421.23.00.20	-----Fuel filters for motor vehicles of Chapter 87
8421.23.00.90	-----Other
8421.29	--Other
8421.29.10.00	---Filter presses to be employed in the exploration, discovery, development, maintenance, testing, depletion or production of oil or natural gas wells
8421.29.90	---Other
8421.29.90.10	-----For sewage treatment
8421.29.90.20	-----For industrial waste treatment
8421.29.90.30	-----For the preparation of foodstuffs
8421.29.90.90	-----Other

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

II. HARMONIZED CODING SYSTEM (H.S.) CANADIAN DESCRIPTIONS (Cont'd)

<u>Harmonized Code</u>	<u>Description of Goods</u>
84.21 (Cont'd)	Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases. -Filtering or purifying machinery and apparatus for gases:
8421.31	--Intake air filters for internal combustion engines
8421.31.10.00	---Air cleaners for use in the manufacture of skid-steer loaders of heading No. 84.29
8421.31.90	---Other
8421.31.90.10	-----Air filters for motor vehicles of Chapter 87
8421.31.90.90	-----Other
8421.39	--Other
8421.39.10.00	---Air separators of a kind used in the processing, smelting or refining of minerals, ores or metals
8421.39.90	---Other
8421.39.90.10	-----Dust extractors or smoke filters
8421.39.90.20	-----Cyclones
8421.39.90.30	-----Electrostatic filters (precipitators)
	-----Other:
8421.39.90.91	-----Industrial gas cleaning equipment
8421.39.90.92	-----Gas separation equipment
8421.39.90.99	-----Other

SECTION III

**1990 CANADIAN AND U.S. IMPORT MARKETS
AND CANADIAN EXPORTS**

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

III. 1990 CANADIAN AND U.S. IMPORT MARKETS AND CANADIAN EXPORTS

H.S. Code	Canadian Imports				United States Imports				Canadian Exports			
	Total (\$M)	%Chg ¹	Major Country Country (\$M)	Total (\$M)	%Chg ¹	Canada (\$M)	%Chg ¹	Major Country Country (\$M)	Total (\$M)	%Chg ¹	Major Country ² Country (\$M)	Total (\$M)
8421.21	Filtering or purifying machinery and apparatus for water											
	42.9	14	U.S.A. 37.7	96.0	23	43.3	41	W. Germany 10.4	48.9	53	Chile	3.2
8421.22	Filtering or purifying machinery and apparatus for beverages, excluding water											
	0.9	-53	W. Germany 0.4	4.5	9	0.1	2	W. Germany 1.5	0.1	3 372	Japan	*
8421.23	Oil or petrol-filters for internal combustion engines											
	71.6	5	U.S.A. 57.5	157.0	20	12.3	10	Japan 66.5	13.3	18	Australia	0.2
8421.29	Filtering or purifying machinery and apparatus for liquids											
	29.6	11	U.S.A. 22.3	136.4	37	26.4	44	W. Germany 20.2	29.3	181	S. Africa	0.5
8421.31	Intake air filters for internal combustion engines											
	38.6	-2	U.S.A. 33.6	93.5	-12	17.6	39	Japan 46.5	18.8	-59	Australia	0.3
8421.29	Filtering or purifying machinery and apparatus for gases											
	282.6	-9	U.S.A. 238.8	154.6	18	38.0	4	Japan 44.7	99.2	35	W. Germany	38.2

¹ Per cent change from 1989 to 1990

² For Canadian exports to U.S.A. see "United States Imports"

* Less than \$50,000

SECTION IV

CANADIAN IMPORTS

BY PROVINCE OF CLEARANCE

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE

DOMESTIC WATER FILTERING MACHINERY AND APPARATUS (H.S. 8421.21.00.10)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
Ontario					
Quantity (No.)	213 727	367 485	557 759	233 222	61.5
Value (\$000)	7 240	10 466	16 404	7 365	50.5
Québec					
Quantity (No.)	45 677	139 581	116 338	76 848	59.6
Value (\$000)	1 169	2 595	2 589	1 751	48.8
British Columbia					
Quantity (No.)	8 669	21 547	31 658	23 016	91.1
Value (\$000)	338	960	1 259	907	93.0
Alberta					
Quantity (No.)	4 654	5 307	7 206	5 524	24.4
Value (\$000)	325	418	426	193	14.5
Manitoba					
Quantity (No.)	5 468	3 875	2 482	2 851	-32.6
Value (\$000)	295	201	98	98	-42.5
Saskatchewan					
Quantity (No.)	459	945	1 253	1 179	65.2
Value (\$000)	32	59	29	58	-3.8
Nova Scotia					
Quantity (No.)	21	356	190	42	200.8
Value (\$000)	2	8	3	1	32.1
New Brunswick					
Quantity (No.)	45	6	7	162	-60.6
Value (\$000)	2	0	0	7	-56.6
Newfoundland					
Quantity (No.)	-	127	-	-	0.0
Value (\$000)	-	10	-	-	0.0
Total					
Quantity (No.)	278 720	539 229	716 893	342 844	60.4
Value (\$000)	9 402	14 717	20 808	10 380	48.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

DOMESTIC WATER PURIFYING MACHINERY AND APPARATUS (INCLUDING SOFTENERS) (H.S. 8421.21.00.20)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	24 583	69 622	56 521	57 143	51.6
Value (\$000)	3 614	4 148	2 781	1 740	-12.3
Québec					
Quantity (No.)	2 259	15 162	7 750	6 206	85.2
Value (\$000)	197	565	476	266	55.3
Alberta					
Quantity (No.)	1 686	1 528	1 281	1 066	-12.8
Value (\$000)	286	231	223	223	-11.6
Saskatchewan					
Quantity (No.)	1 523	3 635	3 479	2 079	51.1
Value (\$000)	360	187	209	134	-23.9
British Columbia					
Quantity (No.)	445	1 255	2 877	2 048	154.3
Value (\$000)	78	99	187	161	54.3
Manitoba					
Quantity (No.)	811	2 410	1 367	1 501	29.8
Value (\$000)	97	238	139	84	20.2
Nova Scotia					
Quantity (No.)	-	7	73	44	942.9
Value (\$000)	-	4	9	20	127.2
New Brunswick					
Quantity (No.)	2	-	-	96	0.0
Value (\$000)	0	-	-	19	0.0
Newfoundland					
Quantity (No.)	-	3	-	-	0.0
Value (\$000)	-	2	-	-	0.0
Yukon					
Quantity (No.)	-	2	-	-	0.0
Value (\$000)	-	1	-	-	0.0
Total					
Quantity (No.)	31 309	93 624	73 348	70 183	53.1
Value (\$000)	4 633	5 473	4 023	2 648	-6.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

**INDUSTRIAL WATER FILTERING MACHINERY AND APPARATUS
(H.S. 8421.21.00.30)**

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	518	1 520	1 589	1 192	75.1
Value (\$000)	3 429	6 366	5 702	5 083	28.9
Québec					
Quantity (No.)	133	543	397	362	72.8
Value (\$000)	2 797	2 522	3 112	1 491	5.5
British Columbia					
Quantity (No.)	74	183	209	163	68.1
Value (\$000)	782	864	1 125	1 141	19.9
Saskatchewan					
Quantity (No.)	61	103	224	175	91.6
Value (\$000)	236	264	1 015	1 487	107.1
Alberta					
Quantity (No.)	46	101	135	134	71.3
Value (\$000)	301	450	429	763	19.5
Manitoba					
Quantity (No.)	13	39	93	67	167.5
Value (\$000)	153	105	350	174	51.3
Nova Scotia					
Quantity (No.)	-	6	50	12	733.3
Value (\$000)	-	166	199	43	20.2
New Brunswick					
Quantity (No.)	13	31	17	47	14.4
Value (\$000)	59	478	167	549	67.9
Newfoundland					
Quantity (No.)	6	9	12	-	41.4
Value (\$000)	11	24	122	-	238.0
Prince Edward Island					
Quantity (No.)	-	10	-	-	0.0
Value (\$000)	-	19	-	-	0.0
Total					
Quantity (No.)	864	2 545	2 726	2 152	77.6
Value (\$000)	7 768	11 257	12 221	10 732	25.4

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

INDUSTRIAL WATER PURIFYING MACHINERY AND APPARATUS (INCLUDING SOFTENERS) (H.S. 8421.21.00.40)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	1 304	457	807	1 773	-21.3
Value (\$000)	2 317	4 040	3 820	2 588	28.4
British Columbia					
Quantity (No.)	10	50	66	84	156.9
Value (\$000)	76	176	766	321	218.2
Québec					
Quantity (No.)	70	193	93	67	15.3
Value (\$000)	330	1 179	386	1 145	8.2
Alberta					
Quantity (No.)	31	39	77	50	57.6
Value (\$000)	270	330	356	358	14.9
Manitoba					
Quantity (No.)	47	47	57	64	10.1
Value (\$000)	385	341	331	339	-7.3
Saskatchewan					
Quantity (No.)	4	20	39	51	212.2
Value (\$000)	75	66	129	118	31.5
New Brunswick					
Quantity (No.)	2	12	3	4	22.5
Value (\$000)	41	87	30	45	-14.9
Nova Scotia					
Quantity (No.)	5	5	8	2	26.5
Value (\$000)	31	12	18	3	-24.1
Newfoundland					
Quantity (No.)	-	2	-	1	0.0
Value (\$000)	-	7	-	22	0.0
Prince Edward Island					
Quantity (No.)	-	-	-	3	-
Value (\$000)	-	-	-	8	-
Total					
Quantity (No.)	1 473	825	1 150	2 099	-11.6
Value (\$000)	3 524	6 238	5 836	4 947	28.7

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FOR ALCOHOLIC BEVERAGES
(H.S. 8421.22.00.10)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	-----	-----	-----	-----	-----
Ontario					
Quantity (No.)	395	6	22	20	-76.4
Value (\$000)	114	143	378	453	82.1
Alberta					
Quantity (No.)	-	3	1	-	-66.7
Value (\$000)	-	102	131	-	29.5
British Columbia					
Quantity (No.)	3	3	5	3	29.1
Value (\$000)	1 027	301	18	15	-86.9
Québec					
Quantity (No.)	2	1	-	7	-50.0
Value (\$000)	51	5	-	52	-91.1
Manitoba					
Quantity (No.)	2	-	-	2	0.0
Value (\$000)	110	-	-	6	0.0
Nova Scotia					
Quantity (No.)	-	1	-	-	0.0
Value (\$000)	-	67	-	-	0.0
Prince Edward Island					
Quantity (No.)	-	1	-	-	0.0
Value (\$000)	-	7	-	-	0.0
	-----	-----	-----	-----	-----
Total					
Quantity (No.)	402	15	28	32	-73.6
Value (\$000)	1 302	625	527	525	-36.4

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

OTHER
(H.S. 8421.22.00.90)

Province of Clearance -----	1988 ----	1989 ----	1990 ----	1991* ----	Average Annual Growth Rate 1988-90 ----- (%)
Québec					
Quantity (No.)	7	15	39	32	136.0
Value (\$000)	35	170	145	348	104.6
Ontario					
Quantity (No.)	7	78	24	51	85.2
Value (\$000)	41	432	81	325	41.2
Alberta					
Quantity (No.)	7	6	14	-	41.4
Value (\$000)	23	16	51	-	49.0
British Columbia					
Quantity (No.)	4	8	2	2	-29.3
Value (\$000)	28	642	49	5	33.0
Saskatchewan					
Quantity (No.)	3	1	1	-	-42.3
Value (\$000)	26	7	16	-	-22.2
Newfoundland					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	9	-	0.0
Manitoba					
Quantity (No.)	-	-	2	3	0.0
Value (\$000)	-	-	7	11	0.0
Total					
Quantity (No.)	28	108	83	88	72.2
Value (\$000)	152	1 267	358	688	53.5

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

OIL FILTERS FOR MOTOR VEHICLES (H.S. 8421.23.00.10)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
Ontario					
Quantity (000 No.)	8 091	9 021	9 221	11 739	6.8
Value (\$000)	20 678	23 219	22 313	22 240	3.9
British Columbia					
Quantity (000 No.)	684	737	635	553	-3.7
Value (\$000)	2 403	2 499	2 065	1 823	-7.3
Manitoba					
Quantity (000 No.)	116	131	313	171	63.9
Value (\$000)	621	515	1 095	642	32.8
Québec					
Quantity (000 No.)	476	525	396	219	-8.7
Value (\$000)	1 448	1 286	1 067	490	-14.1
Alberta					
Quantity (000 No.)	133	145	110	110	-9.0
Value (\$000)	589	683	527	543	-5.4
Saskatchewan					
Quantity (000 No.)	55	48	77	223	18.3
Value (\$000)	286	274	455	667	26.1
Nova Scotia					
Quantity (000 No.)	1	1	4	2	179.5
Value (\$000)	2	6	27	10	250.5
New Brunswick					
Quantity (000 No.)	6	8	4	4	-20.7
Value (\$000)	28	38	21	17	-12.9
Yukon					
Quantity (000 No.)	-	-	0	-	0.0
Value (\$000)	-	-	0	-	0.0
Newfoundland					
Quantity (000 No.)	-	0	-	-	0.0
Value (\$000)	-	0	-	-	0.0
	-----	-----	-----	-----	-----
Total					
Quantity (000 No.)	9 562	10 616	10 760	13 019	6.1
Value (\$000)	26 055	28 519	27 571	26 432	2.9

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FUEL FILTERS FOR MOTOR VEHICLES (H.S. 8421.23.00.20)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (000 No.)	4 974	7 135	8 124	6 599	27.8
Value (\$000)	20 077	22 999	22 474	18 331	5.8
British Columbia					
Quantity (000 No.)	144	113	155	90	3.7
Value (\$000)	784	580	719	427	-4.2
Québec					
Quantity (000 No.)	199	184	231	262	7.6
Value (\$000)	646	684	690	627	3.4
Manitoba					
Quantity (000 No.)	17	62	98	53	139.8
Value (\$000)	93	283	319	177	84.8
Alberta					
Quantity (000 No.)	26	42	58	59	50.5
Value (\$000)	134	191	318	336	53.8
Saskatchewan					
Quantity (000 No.)	8	10	18	58	47.7
Value (\$000)	39	46	86	178	49.2
Nova Scotia					
Quantity (000 No.)	9	15	12	7	17.9
Value (\$000)	62	102	79	43	12.8
New Brunswick					
Quantity (000 No.)	2	1	2	2	9.8
Value (\$000)	11	6	11	7	0.3
Newfoundland					
Quantity (000 No.)	0	-	-	-	0.0
Value (\$000)	2	-	-	-	0.0
Total					
Quantity (000 No.)	5 379	7 562	8 699	7 129	27.2
Value (\$000)	21 848	24 891	24 696	20 125	6.3

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

OIL OR PETROL-FILTERS FOR INTERNAL COMBUSTION ENGINES - OTHER (H.S. 8421.23.00.90)

Province of Clearance	1988	1989	1990.	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (000 No.)	553	1 296	1 525	1 536	66.1
Value (\$000)	4 702	8 223	9 938	9 746	45.4
Alberta					
Quantity (000 No.)	181	217	283	235	25.1
Value (\$000)	1 513	1 580	2 543	2 379	29.6
Québec					
Quantity (000 No.)	55	89	101	69	35.8
Value (\$000)	1 634	1 835	2 522	1 506	24.2
British Columbia					
Quantity (000 No.)	51	112	181	143	88.9
Value (\$000)	716	1 269	1 993	1 411	66.9
Manitoba					
Quantity (000 No.)	25	147	153	96	145.0
Value (\$000)	630	1 109	1 223	941	39.3
Saskatchewan					
Quantity (000 No.)	7	37	59	65	200.2
Value (\$000)	121	359	447	605	92.6
Nova Scotia					
Quantity (000 No.)	7	14	54	70	168.1
Value (\$000)	235	276	427	456	34.8
New Brunswick					
Quantity (000 No.)	4	8	20	24	116.4
Value (\$000)	188	68	196	256	1.9
Newfoundland					
Quantity (000 No.)	1	1	2	2	10.5
Value (\$000)	36	13	45	32	11.4
Yukon					
Quantity (000 No.)	-	0	1	0	1 288.9
Value (\$000)	-	0	2	1	1 930.8
Prince Edward Island					
Quantity (000 No.)	0	-	-	0	0.0
Value (\$000)	0	-	-	0	0.0
Northwest Territories					
Quantity (000 No.)	0	0	-	-	-84.4
Value (\$000)	4	1	-	-	-72.2
Total					
Quantity (000 No.)	885	1 921	2 378	2 238	64.0
Value (\$000)	9 779	14 734	19 337	17 334	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FILTER PRESSES FOR OIL OR NATURAL GAS WELLS (H.S. 8421.29.10.00)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
Ontario					
Quantity (No.)	14	11	15	13	3.5
Value (\$000)	45	68	412	42	201.0
Alberta					
Quantity (No.)	11	1	23	7	44.6
Value (\$000)	124	3	110	1 484	-5.8
Saskatchewan					
Quantity (No.)	-	1	6	4	500.0
Value (\$000)	-	28	89	18	219.9
Québec					
Quantity (No.)	4	3	14	3	87.1
Value (\$000)	69	3	49	8	-15.4
Nova Scotia					
Quantity (No.)	19	-	3	-	-60.3
Value (\$000)	411	-	5	-	-88.7
Manitoba					
Quantity (No.)	3	-	3	-	0.0
Value (\$000)	14	-	5	-	-38.3
New Brunswick					
Quantity (No.)	-	-	-	1	-
Value (\$000)	-	-	-	455	-
British Columbia					
Quantity (No.)	-	1	-	3	0.0
Value (\$000)	-	3	-	5	0.0
Total					
Quantity (No.)	51	17	64	31	12.0
Value (\$000)	662	105	671	2 012	0.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FOR SEWAGE TREATMENT
(H.S. 8421.29.90.10)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	84	131	151	203	34.1
Value (\$000)	725	1 368	1 304	807	34.2
New Brunswick					
Quantity (No.)	6	3	63	69	224.0
Value (\$000)	37	119	853	113	382.2
British Columbia					
Quantity (No.)	29	47	69	44	54.3
Value (\$000)	428	336	258	831	-22.4
Nova Scotia					
Quantity (No.)	4	2	16	3	100.0
Value (\$000)	40	25	197	102	122.0
Alberta					
Quantity (No.)	2	14	9	6	112.1
Value (\$000)	34	275	169	75	124.6
Manitoba					
Quantity (No.)	20	12	29	31	20.4
Value (\$000)	80	127	97	205	10.2
Saskatchewan					
Quantity (No.)	1	3	8	10	182.8
Value (\$000)	3	121	71	111	415.2
Québec					
Quantity (No.)	14	8	4	-	-46.5
Value (\$000)	119	484	31	-	-48.7
Newfoundland					
Quantity (No.)	1	-	2	3	41.4
Value (\$000)	23	-	21	4	-4.8
Total					
Quantity (No.)	161	220	351	369	47.7
Value (\$000)	1 487	2 855	3 000	2 248	42.0

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FOR INDUSTRIAL WASTE TREATMENT (H.S. 8421.29.90.20)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	56	148	194	618	86.1
Value (\$000)	1 420	1 781	2 482	3 069	32.2
Québec					
Quantity (No.)	29	26	51	34	32.6
Value (\$000)	756	1 213	1 621	741	46.4
British Columbia					
Quantity (No.)	26	15	35	37	16.0
Value (\$000)	430	304	1 167	374	64.7
Alberta					
Quantity (No.)	10	52	13	26	14.0
Value (\$000)	174	475	405	125	52.4
Saskatchewan					
Quantity (No.)	6	5	7	12	8.0
Value (\$000)	152	99	107	22	-16.2
New Brunswick					
Quantity (No.)	2	6	12	1	144.9
Value (\$000)	9	100	30	21	83.2
Nova Scotia					
Quantity (No.)	-	1	-	1	0.0
Value (\$000)	-	8	-	14	0.0
Manitoba					
Quantity (No.)	-	5	-	1	0.0
Value (\$000)	-	297	-	1	0.0
Total					
Quantity (No.)	129	258	312	730	55.5
Value (\$000)	2 942	4 276	5 812	4 367	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

FOR THE PREPARATION OF FOODSTUFFS
(H.S. 8421.29.90.30)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
Québec					
Quantity (No.)	26	60	65	194	58.1
Value (\$000)	63	1 627	234	315	92.5
Ontario					
Quantity (No.)	33	91	70	70	45.6
Value (\$000)	393	315	138	167	-40.8
Saskatchewan					
Quantity (No.)	-	3	3	-	0.0
Value (\$000)	-	13	51	-	290.2
Manitoba					
Quantity (No.)	-	4	9	25	125.0
Value (\$000)	-	21	16	33	-21.7
British Columbia					
Quantity (No.)	5	15	9	3	34.2
Value (\$000)	14	32	12	4	-6.2
New Brunswick					
Quantity (No.)	-	4	1	1	-75.0
Value (\$000)	-	63	11	16	-83.3
Nova Scotia					
Quantity (No.)	-	2	4	2	100.0
Value (\$000)	-	3	10	15	250.3
Prince Edward Island					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	10	-	0.0
Alberta					
Quantity (No.)	-	8	5	-	-37.5
Value (\$000)	-	13	8	-	-36.8
Newfoundland					
Quantity (No.)	-	-	3	-	0.0
Value (\$000)	-	-	5	-	0.0
	-----	-----	-----	-----	-----
Total					
Quantity (No.)	64	187	170	295	63.0
Value (\$000)	470	2 088	496	551	2.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

OTHER
(H.S. 8421.29.90.90)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	1 201	5 264	3 796	4 021	77.8
Value (\$000)	5 538	8 840	11 219	9 052	42.3
Québec					
Quantity (No.)	430	24 087	993	663	52.0
Value (\$000)	2 374	2 468	3 473	2 237	20.9
Alberta					
Quantity (No.)	110	408	567	448	127.0
Value (\$000)	667	1 020	1 987	1 745	72.5
British Columbia					
Quantity (No.)	154	758	605	619	98.2
Value (\$000)	446	3 043	1 912	1 536	107.0
Nova Scotia					
Quantity (No.)	76	36	87	57	7.0
Value (\$000)	155	124	320	98	43.8
Saskatchewan					
Quantity (No.)	15	24	58	22	96.6
Value (\$000)	295	55	248	470	-8.3
New Brunswick					
Quantity (No.)	20	48	53	41	62.8
Value (\$000)	206	370	242	219	8.5
Manitoba					
Quantity (No.)	70	61	90	138	13.4
Value (\$000)	208	350	207	382	-0.2
Newfoundland					
Quantity (No.)	5	7	3	-	-22.5
Value (\$000)	28	1 045	7	-	-49.7
Yukon					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	2	-	0.0
Total					
Quantity (No.)	2 082	30 693	6 253	6 009	73.3
Value (\$000)	9 917	17 315	19 616	15 740	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

**AIR CLEANERS FOR USE IN THE MANUFACTURE OF SKID-STEER LOADERS
(H.S. 8421.31.10.00)**

Province of Clearance	1990	1991*
Ontario		
Quantity (No.)	52 904	14 805
Value (\$)	533 424	199 949
British Columbia		
Quantity (No.)	1 999	196
Value (\$)	71 375	14 875
New Brunswick		
Quantity (No.)	1 033	498
Value (\$)	37 466	16 775
Québec		
Quantity (No.)	1 078	74
Value (\$)	30 277	7 567
Alberta		
Quantity (No.)	2 023	494
Value (\$)	28 969	7 891
Manitoba		
Quantity (No.)	153	1 102
Value (\$)	8 114	24 455
Yukon		
Quantity (No.)	38	-
Value (\$)	3 900	-
Saskatchewan		
Quantity (No.)	312	36
Value (\$)	2 981	161
Nova Scotia		
Quantity (No.)	29	-
Value (\$)	1 460	-
Total		
Quantity (No.)	59 569	17 205
Value (\$)	717 966	271 673

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

AIR FILTERS FOR MOTOR VEHICLES (H.S. 8421.31.90.10)

Province of Clearance -----	1990 ----	1991* ----
Ontario		
Quantity (000 No.)	2 113	1 928
Value (\$000)	21 823	23 630
Québec		
Quantity (000 No.)	93	72
Value (\$000)	2 119	1 946
Alberta		
Quantity (000 No.)	79	69
Value (\$000)	1 312	1 112
British Columbia		
Quantity (000 No.)	116	104
Value (\$000)	1 195	1 165
Manitoba		
Quantity (000 No.)	32	20
Value (\$000)	871	485
Nova Scotia		
Quantity (000 No.)	9	9
Value (\$000)	190	150
Saskatchewan		
Quantity (000 No.)	9	4
Value (\$000)	139	56
New Brunswick		
Quantity (000 No.)	1	1
Value (\$000)	15	11
Newfoundland		
Quantity (000 No.)	0	-
Value (\$000)	2	-
Prince Edward Island		
Quantity (000 No.)	-	0
Value (\$000)	-	1
	-----	-----
Total		
Quantity (000 No.)	2 452	2 206
Value (\$000)	27 666	28 557

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

AIR FILTERS FOR INTERNAL COMBUSTION ENGINES - OTHER (H.S. 8421.31.90.90)

Province of Clearance -----	1990 ----	1991* ----
Ontario		
Quantity (No.)	541 989	468 454
Value (\$000)	5 705	4 211
Québec		
Quantity (No.)	46 421	44 439
Value (\$000)	999	910
British Columbia		
Quantity (No.)	35 465	24 577
Value (\$000)	670	494
Manitoba		
Quantity (No.)	73 478	49 178
Value (\$000)	633	427
Alberta		
Quantity (No.)	22 692	25 746
Value (\$000)	506	469
Saskatchewan		
Quantity (No.)	16 262	29 771
Value (\$000)	202	252
Nova Scotia		
Quantity (No.)	6 251	7 016
Value (\$000)	82	78
New Brunswick		
Quantity (No.)	1 827	1 950
Value (\$000)	26	24
Yukon		
Quantity (No.)	97	-
Value (\$000)	2	-
Newfoundland		
Quantity (No.)	8	784
Value (\$000)	1	9
	-----	-----
Total		
Quantity (No.)	744 490	651 915
Value (\$000)	8 827	6 874

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

AIR SEPARATORS OF A KIND USED IN THE PROCESSING,
SMELTING OR REFINING OF MINERALS, ORES OR METALS
(H.S. 8421.39.10.00)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	268	703	889	1 639	82.1
Value (\$000)	1 070	1 205	581	909	-26.3
British Columbia					
Quantity (No.)	100	157	273	102	65.2
Value (\$000)	313	101	150	80	-30.8
Québec					
Quantity (No.)	2	7	124	265	687.4
Value (\$000)	3	16	90	335	447.3
Alberta					
Quantity (No.)	1	5	27	1	419.6
Value (\$000)	1	80	62	1	688.3
Nova Scotia					
Quantity (No.)	427	4	13	-	-82.6
Value (\$000)	2 528	4	20	-	-91.0
Manitoba					
Quantity (No.)	-	36	18	4	-50.0
Value (\$000)	-	39	11	3	-70.4
New Brunswick					
Quantity (No.)	-	-	18	4	0.0
Value (\$000)	-	-	9	2	0.0
Saskatchewan					
Quantity (No.)	19	3	-	6	-84.2
Value (\$000)	23	261	-	11	1 055.4
Yukon					
Quantity (No.)	-	2	-	-	0.0
Value (\$000)	-	2	-	-	0.0
Total					
Quantity (No.)	817	917	1 362	2 021	29.1
Value (\$000)	3 937	1 709	923	1 341	-51.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

DUST EXTRACTORS OR SMOKE FILTERS (H.S. 8421.39.90.10)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	21 981	90 411	63 836	65 218	70.4
Value (\$000)	6 747	13 211	8 851	8 202	14.5
British Columbia					
Quantity (No.)	551	1 418	1 606	6 641	70.7
Value (\$000)	542	754	1 243	700	51.5
Québec					
Quantity (No.)	847	606	780	869	-4.0
Value (\$000)	366	600	932	1 096	59.7
Manitoba					
Quantity (No.)	459	502	838	406	35.1
Value (\$000)	276	157	431	375	24.9
Alberta					
Quantity (No.)	208	543	1 663	1 446	182.8
Value (\$000)	212	156	427	307	41.9
Nova Scotia					
Quantity (No.)	5	20	282	212	651.0
Value (\$000)	5	122	346	481	751.9
New Brunswick					
Quantity (No.)	48	123	94	452	39.9
Value (\$000)	142	137	252	506	33.2
Saskatchewan					
Quantity (No.)	26	257	707	4	421.5
Value (\$000)	27	123	127	12	116.3
Newfoundland					
Quantity (No.)	17	21	2	9	-65.7
Value (\$000)	122	23	1	12	-89.3
Yukon					
Quantity (No.)	-	1	-	-	0.0
Value (\$000)	-	2	-	-	0.0
Prince Edward Island					
Quantity (No.)	1	-	-	-	0.0
Value (\$000)	1	-	-	-	0.0
Total					
Quantity (No.)	24 143	93 902	69 808	75 257	70.0
Value (\$000)	8 441	15 286	12 611	11 691	22.2

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

CYCLONES (H.S. 8421.39.90.20)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Ontario					
Quantity (No.)	64	396	257	40	100.4
Value (\$000)	267	571	398	156	22.1
Québec					
Quantity (No.)	711	461	426	496	-22.6
Value (\$000)	525	299	216	240	-35.9
British Columbia					
Quantity (No.)	54	109	80	29	21.7
Value (\$000)	46	51	71	19	24.0
Manitoba					
Quantity (No.)	-	-	19	1	0.0
Value (\$000)	-	-	55	2	0.0
New Brunswick					
Quantity (No.)	-	-	2	1	0.0
Value (\$000)	-	-	6	19	0.0
Nova Scotia					
Quantity (No.)	7	18	7	16	0.0
Value (\$000)	3	32	2	5	-11.8
Alberta					
Quantity (No.)	8	7	1	-	-64.6
Value (\$000)	13	217	2	-	-57.6
Newfoundland					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	1	-	0.0
Saskatchewan					
Quantity (No.)	-	9	2	3	-77.8
Value (\$000)	-	113	1	40	-98.9
Total					
Quantity (No.)	844	1 000	795	586	-2.9
Value (\$000)	854	1 284	753	482	-6.1

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

ELECTROSTATIC FILTERS (PRECIPITATORS) (H.S. 8421.39.90.30)

Province of Clearance	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	-----	-----	-----	-----	-----
Ontario					
Quantity (No.)	14 864	7 399	6 257	13 380	-35.1
Value (\$000)	3 018	1 926	6 053	11 168	41.6
Québec					
Quantity (No.)	223	564	211	1 430	-2.7
Value (\$000)	432	155	4 567	1 323	225.2
British Columbia					
Quantity (No.)	12	95	490	1 027	539.0
Value (\$000)	5	3 440	1 702	403	1 800.8
Alberta					
Quantity (No.)	231	569	953	410	103.1
Value (\$000)	213	118	816	118	95.7
Saskatchewan					
Quantity (No.)	132	243	46	19	-41.0
Value (\$000)	174	186	69	909	-37.3
Manitoba					
Quantity (No.)	18	488	85	180	117.3
Value (\$000)	30	86	17	832	-25.4
Nova Scotia					
Quantity (No.)	12	1 045	26	4	47.2
Value (\$000)	3	57	16	1	143.0
New Brunswick					
Quantity (No.)	9	48	54	66	144.9
Value (\$000)	3	14	13	1 307	105.1
Newfoundland					
Quantity (No.)	-	2	-	-	0.0
Value (\$000)	-	3	-	-	0.0
Total					
Quantity (No.)	15 501	10 453	8 122	16 516	-27.6
Value (\$000)	3 877	5 986	13 251	16 061	84.9

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

**INDUSTRIAL GAS CLEANING EQUIPMENT
(H.S. 8421.39.90.91)**

Province of Clearance -----	1990 -----	1991* -----
Québec		
Quantity (No.)	825	1 785
Value (\$000)	1 030	56
Ontario		
Quantity (No.)	2 043	1 293
Value (\$000)	726	1 373
Alberta		
Quantity (No.)	819	175
Value (\$000)	463	9
British Columbia		
Quantity (No.)	3 171	1 255
Value (\$000)	175	1 541
New Brunswick		
Quantity (No.)	1	12
Value (\$000)	157	8
Manitoba		
Quantity (No.)	169	33
Value (\$000)	12	6
Nova Scotia		
Quantity (No.)	2	1
Value (\$000)	0	5
	-----	-----
Total		
Quantity (No.)	7 030	4 554
Value (\$000)	2 564	2 998

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

GAS SEPARATION EQUIPMENT (H.S. 8421.39.90.92)

Province of Clearance -----	1990 -----	1991* -----
Alberta		
Quantity (No.)	4 254	204
Value (\$000)	796	827
Ontario		
Quantity (No.)	2 306	3 898
Value (\$000)	496	1 105
British Columbia		
Quantity (No.)	1 648	4
Value (\$000)	357	20
Québec		
Quantity (No.)	1 952	502
Value (\$000)	182	278
Saskatchewan		
Quantity (No.)	10	1
Value (\$000)	164	18
New Brunswick		
Quantity (No.)	108	5
Value (\$000)	6	69
Manitoba		
Quantity (No.)	-	39
Value (\$000)	-	6
	-----	-----
Total		
Quantity (No.)	10 278	4 653
Value (\$000)	2 001	2 323

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

IV. CANADIAN IMPORTS BY PROVINCE OF CLEARANCE (Cont'd)

OTHER
(H.S. 8421.39.90.99)

Province of Clearance -----	1990 ----	1991* ----
Ontario		
Quantity (000 No.)	2 195	1 801
Value (\$000)	229 982	185 794
Québec		
Quantity (000 No.)	88	59
Value (\$000)	9 705	4 307
British Columbia		
Quantity (000 No.)	33	31
Value (\$000)	3 147	2 650
Nova Scotia		
Quantity (000 No.)	12	8
Value (\$000)	2 503	1 991
Alberta		
Quantity (000 No.)	23	19
Value (\$000)	2 208	2 009
Manitoba		
Quantity (000 No.)	12	10
Value (\$000)	1 389	523
New Brunswick		
Quantity (000 No.)	3	7
Value (\$000)	1 095	1 078
Saskatchewan		
Quantity (000 No.)	3	3
Value (\$000)	412	682
Newfoundland		
Quantity (000 No.)	0	0
Value (\$000)	21	295
Yukon		
Quantity (000 No.)	0	0
Value (\$000)	0	0
	-----	-----
Total		
Quantity (000 No.)	2 368	1 937
Value (\$000)	250 462	199 329

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

SECTION V

CANADIAN IMPORTS

BY MAJOR COUNTRY OF ORIGIN

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN

DOMESTIC WATER PURIFYING MACHINERY AND APPARATUS (H.S. 8421.21.00.10)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90
-----	----	----	----	----	-----
					(%)
United States					
Quantity (No.)	222 504	328 505	534 419	269 112	55.0
Value (\$000)	8 743	12 561	18 557	9 201	45.7
Italy					
Quantity (No.)	27 864	53 300	74 384	58 300	63.4
Value (\$000)	325	594	1 068	719	81.3
United Kingdom					
Quantity (No.)	303	3 696	49 616	430	1 179.6
Value (\$000)	16	73	281	10	317.7
Fed. Rep. of Germany					
Quantity (No.)	17 086	67 700	32 668	3 376	38.3
Value (\$000)	150	244	229	82	23.5
Japan					
Quantity (No.)	21	2 378	5 099	1 720	1 458.2
Value (\$000)	6	53	159	36	400.8
Taiwan					
Quantity (No.)	112	16 314	12 472	1 624	955.3
Value (\$000)	13	201	122	32	204.2
Spain					
Quantity (No.)	-	66	154	600	133.3
Value (\$000)	-	48	86	57	77.9
Switzerland					
Quantity (No.)	6 475	527	459	446	-73.4
Value (\$000)	68	84	74	75	4.0
Malaysia					
Quantity (No.)	939	2 103	3 409	5 315	90.5
Value (\$000)	19	42	68	106	90.3
Israel					
Quantity (No.)	-	655	153	34	-76.6
Value (\$000)	-	91	63	20	-30.9
Other					
Quantity (No.)	3 416	63 985	4 060	1 887	9.0
Value (\$000)	62	726	100	41	27.3
Total					
Quantity (No.)	278 720	539 229	716 893	342 844	60.4
Value (\$000)	9 402	14 717	20 808	10 380	48.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

DOMESTIC WATER PURIFYING MACHINERY AND APPARATUS (INCLUDING SOFTENERS) (H.S. 8421.21.00.20)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
United States					
Quantity (No.)	27 089	76 558	69 362	68 922	60.0
Value (\$000)	4 352	5 009	3 758	2 595	-7.1
Italy					
Quantity (No.)	1 345	7 362	881	297	-19.1
Value (\$000)	109	179	71	15	-19.0
France					
Quantity (No.)	-	-	107	-	0.0
Value (\$000)	-	-	65	-	0.0
Hong Kong					
Quantity (No.)	57	-	2 504	-	562.8
Value (\$000)	18	-	50	-	68.9
Fed. Rep. of Germany					
Quantity (No.)	1 235	7 184	60	32	-78.0
Value (\$000)	118	153	46	17	-37.6
Switzerland					
Quantity (No.)	6	2	386	2	702.1
Value (\$000)	1	1	14	0	265.6
United Kingdom					
Quantity (No.)	-	94	34	-	-63.8
Value (\$000)	-	63	11	-	-82.3
Canada					
Quantity (No.)	-	-	14	-	0.0
Value (\$000)	-	-	8	-	0.0
Other					
Quantity (No.)	1 577	2 424	-	930	53.7
Value (\$000)	36	68	-	22	91.3
Total					
Quantity (No.)	31 309	93 624	73 348	70 183	53.1
Value (\$000)	4 633	5 473	4 023	2 648	-6.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

INDUSTRIAL WATER FILTERING MACHINERY AND APPARATUS (H.S. 8421.21.00.30)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (No.)	797	2 223	2 506	2 011	77.3
Value (\$000)	6 980	9 507	9 922	9 960	19.2
Norway					
Quantity (No.)	-	-	8	1	0.0
Value (\$000)	-	-	1 047	72	0.0
Italy					
Quantity (No.)	-	-	53	11	0.0
Value (\$000)	-	-	405	22	0.0
Fed. Rep. of Germany					
Quantity (No.)	2	206	25	8	253.6
Value (\$000)	314	598	264	60	-8.2
Denmark					
Quantity (No.)	-	5	19	-	280.0
Value (\$000)	-	9	123	-	1 220.1
Sweden					
Quantity (No.)	2	8	8	4	100.0
Value (\$000)	19	172	106	152	137.8
New Zealand					
Quantity (No.)	-	-	2	-	0.0
Value (\$000)	-	-	98	-	0.0
United Kingdom					
Quantity (No.)	11	13	21	3	38.2
Value (\$000)	158	452	63	24	-36.9
France					
Quantity (No.)	2	26	12	20	144.9
Value (\$000)	13	46	53	46	102.3
Israel					
Quantity (No.)	2	34	17	6	191.5
Value (\$000)	8	142	50	34	150.6
Other					
Quantity (No.)	48	30	55	88	7.0
Value (\$000)	276	331	90	363	-43.0
Total					
Quantity (No.)	864	2 545	2 726	2 152	77.6
Value (\$000)	7 768	11 257	12 221	10 732	25.4

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

INDUSTRIAL WATER PURIFYING MACHINERY AND APPARATUS (INCLUDING SOFTENERS) (H.S. 8421.21.00.40)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (No.)	1 449	731	1 112	2 027	-12.4
Value (\$000)	3 121	5 445	5 463	4 594	32.3
Italy					
Quantity (No.)	-	-	3	2	0.0
Value (\$000)	-	-	127	3	0.0
United Kingdom					
Quantity (No.)	-	12	13	10	8.3
Value (\$000)	-	110	96	92	-12.5
Denmark					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	52	-	0.0
Sweden					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	31	-	0.0
Fed. Rep. of Germany					
Quantity (No.)	6	34	5	-	-8.7
Value (\$000)	375	489	25	-	-74.0
Japan					
Quantity (No.)	-	-	2	16	0.0
Value (\$000)	-	-	22	35	0.0
Switzerland					
Quantity (No.)	-	-	4	1	0.0
Value (\$000)	-	-	7	4	0.0
Netherlands					
Quantity (No.)	-	30	4	2	-86.7
Value (\$000)	-	108	5	3	-95.7
Brazil					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	4	-	0.0
Other					
Quantity (No.)	18	18	4	41	-52.9
Value (\$000)	29	85	5	217	-59.7
Total	-----	-----	-----	-----	-----
Quantity (No.)	1 473	825	1 150	2 099	-11.6
Value (\$000)	3 524	6 238	5 836	4 947	28.7

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**FOR ALCOHOLIC BEVERAGES
(H.S. 8421.22.00.10)**

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
Fed. Rep. of Germany					
Quantity (No.)	4	4	2	3	-29.3
Value (\$000)	266	365	393	78	21.6
Italy					
Quantity (No.)	-	4	14	11	250.0
Value (\$000)	-	53	85	48	60.3
United States					
Quantity (No.)	6	5	3	10	-29.3
Value (\$000)	95	160	20	375	-54.2
Japan					
Quantity (No.)	1	-	5	-	123.6
Value (\$000)	816	-	18	-	-85.3
Denmark					
Quantity (No.)	384	2	4	6	-89.8
Value (\$000)	13	47	11	18	-8.7
Other					
Quantity (No.)	7	-	-	2	0.0
Value (\$000)	112	-	-	6	0.0
Total					
Quantity (No.)	402	15	28	32	-73.6
Value (\$000)	1 302	625	527	525	-36.4

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

Country of Origin	OTHER (H.S. 8421.22.00.90)				Average Annual Growth Rate 1988-90
	1988	1989	1990	1991*	(%)
United States					
Quantity (No.)	25	99	76	88	74.4
Value (\$000)	128	1 064	286	688	49.5
Singapore					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	37	-	0.0
Denmark					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	12	-	0.0
Netherlands					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	9	-	0.0
United Kingdom					
Quantity (No.)	0	2	1	-	-
Value (\$000)	1	7	6	-	128.4
Italy					
Quantity (No.)	1	4	2	-	41.4
Value (\$000)	12	45	5	-	-37.1
Fed. Rep. of Germany					
Quantity (No.)	2	3	1	-	-29.3
Value (\$000)	11	150	3	-	-45.2
Other					
Quantity (No.)	-	-	-	-	-
Value (\$000)	-	-	-	-	-
Total					
Quantity (No.)	28	108	83	88	72.2
Value (\$000)	152	1 267	358	688	53.5

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

OIL FILTERS FOR MOTOR VEHICLES (H.S. 8421.23.00.10)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (000 No.)	7 343	8 090	8 538	11 722	7.8
Value (\$000)	19 674	21 834	21 533	23 119	4.6
Japan					
Quantity (000 No.)	1 807	1 871	1 557	758	-7.2
Value (\$000)	4 964	4 911	4 061	1 696	-9.5
Fed. Rep. of Germany					
Quantity (000 No.)	185	205	241	184	14.1
Value (\$000)	717	753	946	813	14.9
Republic of Korea					
Quantity (000 No.)	73	155	212	174	70.4
Value (\$000)	141	274	369	282	61.8
Sweden					
Quantity (000 No.)	63	93	92	56	20.7
Value (\$000)	171	228	243	98	19.0
United Kingdom					
Quantity (000 No.)	32	47	36	34	5.8
Value (\$000)	165	212	207	195	12.2
France					
Quantity (000 No.)	17	23	20	17	6.2
Value (\$000)	53	74	77	75	20.4
Taiwan					
Quantity (000 No.)	9	114	39	44	112.2
Value (\$000)	36	142	72	47	42.3
Italy					
Quantity (000 No.)	2	7	5	1	51.7
Value (\$000)	9	27	19	3	47.9
South Africa					
Quantity (000 No.)	-	1	6	0	323.5
Value (\$000)	-	3	13	1	305.8
Other					
Quantity (000 No.)	30	10	14	28	-31.0
Value (\$000)	127	61	31	102	-50.4
Total					
Quantity (000 No.)	9 562	10 616	10 760	13 019	6.1
Value (\$000)	26 055	28 519	27 571	26 432	2.9

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

FUEL FILTERS FOR MOTOR VEHICLES (H.S. 8421.23.00.20)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (000 No.)	3 998	5 088	5 383	4 219	16.0
Value (\$000)	18 317	20 178	18 166	14 484	-0.4
Japan					
Quantity (000 No.)	367	424	633	457	31.3
Value (\$000)	1 779	1 849	3 004	2 403	30.0
Taiwan					
Quantity (000 No.)	540	1 379	2 005	1 650	92.7
Value (\$000)	652	1 336	1 832	1 578	67.6
Fed. Rep. of Germany					
Quantity (000 No.)	129	111	116	73	-5.4
Value (\$000)	516	728	779	518	22.8
Spain					
Quantity (000 No.)	33	62	33	55	0.3
Value (\$000)	173	231	213	347	10.8
Mexico					
Quantity (000 No.)	20	26	54	49	67.0
Value (\$000)	87	119	160	118	35.7
Republic of Korea					
Quantity (000 No.)	4	26	52	23	254.4
Value (\$000)	23	60	130	71	139.8
South Africa					
Quantity (000 No.)	-	201	220	53	9.2
Value (\$000)	-	113	120	28	5.9
Israel					
Quantity (000 No.)	254	207	140	523	-25.8
Value (\$000)	108	98	102	477	-2.9
France					
Quantity (000 No.)	3	19	29	17	236.7
Value (\$000)	13	44	68	49	129.6
Other					
Quantity (000 No.)	31	19	35	12	5.1
Value (\$000)	180	137	122	51	-17.6
Total	-----	-----	-----	-----	-----
Quantity (000 No.)	5 379	7 562	8 699	7 129	27.2
Value (\$000)	21 848	24 891	24 696	20 125	6.3

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

OIL OR PETROL-FILTERS FOR INTERNAL COMBUSTION ENGINES - OTHER (H.S. 8421.23.00.90)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	-----	-----	-----	-----	-----
United States					(%)
Quantity (000 No.)	824	1 822	2 238	2 146	64.8
Value (\$000)	8 687	13 670	17 759	16 451	43.0
Japan					
Quantity (000 No.)	13	36	32	13	57.3
Value (\$000)	157	379	329	172	45.0
Republic of Korea					
Quantity (000 No.)	0	1	23	1	3 060.3
Value (\$000)	0	11	277	88	4 664.3
Netherlands					
Quantity (000 No.)	0	3	4	1	327.4
Value (\$000)	2	101	241	8	1 029.7
Fed. Rep. of Germany					
Quantity (000 No.)	18	9	16	11	-3.9
Value (\$000)	358	166	237	153	-18.7
Taiwan					
Quantity (000 No.)	0	28	40	19	4 370.9
Value (\$000)	0	108	135	83	3 447.6
Canada					
Quantity (000 No.)	2	0	2	1	-5.6
Value (\$000)	27	14	83	4	76.4
France					
Quantity (000 No.)	6	1	1	10	-51.3
Value (\$000)	45	23	79	70	32.3
United Kingdom					
Quantity (000 No.)	11	8	7	18	-23.0
Value (\$000)	218	114	79	201	-39.7
Italy					
Quantity (000 No.)	1	5	11	10	192.5
Value (\$000)	28	31	71	45	58.4
Other					
Quantity (000 No.)	9	8	5	9	-26.1
Value (\$000)	258	118	47	57	-57.4
Total					
Quantity (000 No.)	885	1 921	2 378	2 238	64.0
Value (\$000)	9 779	14 734	19 337	17 334	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**FILTER PRESSES FOR OIL OR NATURAL GAS WELLS
(H.S. 8421.29.10.00)**

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
United States					
Quantity (No.)	32	17	64	31	41.4
Value (\$000)	251	105	671	2 012	63.4
Other					
Quantity (No.)	19	-	-	-	0.0
Value (\$000)	411	-	-	-	0.0
Total					
Quantity (No.)	51	17	64	31	12.0
Value (\$000)	662	105	671	2 012	0.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

FOR SEWAGE TREATMENT
(H.S. 8421.29.90.10)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	-----	-----	-----	-----	-----
United States					
Quantity (No.)	154	186	285	361	36.0
Value (\$000)	1 080	2 295	2 689	2 234	57.7
United Kingdom					
Quantity (No.)	2	13	17	-	191.5
Value (\$000)	45	37	148	-	82.0
Sweden					
Quantity (No.)	-	5	33	8	560.0
Value (\$000)	-	40	136	14	239.8
Fed. Rep. of Germany					
Quantity (No.)	2	9	10	-	123.6
Value (\$000)	20	191	19	-	-3.5
Switzerland					
Quantity (No.)	-	-	4	-	0.0
Value (\$000)	-	-	5	-	0.0
Belgium					
Quantity (No.)	-	-	2	-	0.0
Value (\$000)	-	-	4	-	0.0
Other					
Quantity (No.)	3	7	-	-	133.3
Value (\$000)	342	292	-	-	-14.7
Total					
Quantity (No.)	161	220	351	369	47.7
Value (\$000)	1 487	2 855	3 000	2 248	42.0

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

FOR INDUSTRIAL WASTE TREATMENT (H.S. 8421.29.90.20)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					
Quantity (No.)	128	244	278	721	47.4
Value (\$000)	2 923	3 367	3 918	3 702	15.8
France					
Quantity (No.)	-	1	8	2	700.0
Value (\$000)	-	601	692	7	15.1
Fed. Rep. of Germany					
Quantity (No.)	1	8	2	2	41.4
Value (\$000)	19	40	559	67	437.8
Italy					
Quantity (No.)	-	2	2	-	0.0
Value (\$000)	-	70	444	-	531.5
Denmark					
Quantity (No.)	-	-	15	-	0.0
Value (\$000)	-	-	90	-	0.0
United Kingdom					
Quantity (No.)	-	1	3	1	200.0
Value (\$000)	-	14	89	72	528.3
Japan					
Quantity (No.)	-	-	3	1	0.0
Value (\$000)	-	-	11	1	0.0
Finland					
Quantity (No.)	-	-	1	1	0.0
Value (\$000)	-	-	9	12	0.0
Other					
Quantity (No.)	-	2	-	2	0.0
Value (\$000)	-	184	-	505	0.0
	-----	-----	-----	-----	-----
Total					
Quantity (No.)	129	258	312	730	55.5
Value (\$000)	2 942	4 276	5 812	4 367	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

FOR THE PREPARATION OF FOODSTUFFS
(H.S. 8421.29.90.30)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth- Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (No.)	58	170	138	293	54.3
Value (\$000)	439	1 726	293	545	-18.4
France					
Quantity (No.)	-	8	29	2	262.5
Value (\$000)	-	39	176	6	353.7
Fed. Rep. of Germany					
Quantity (No.)	5	-	3	-	-22.5
Value (\$000)	26	-	28	-	2.7
Other					
Quantity (No.)	1	9	-	-	800.0
Value (\$000)	5	323	-	-	6 768.0
-----	----	----	----	----	-----
Total					
Quantity (No.)	64	187	170	295	63.0
Value (\$000)	470	2 088	496	551	2.8

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

OTHER
(H.S. 8421.29.90.90)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	-----	-----	-----	-----	-----
United States					
Quantity (No.)	1 485	5 581	5 254	5 324	88.1
Value (\$000)	7 591	11 597	14 716	13 330	39.2
Italy					
Quantity (No.)	198	23 811	260	159	14.6
Value (\$000)	411	754	882	776	46.5
Japan					
Quantity (No.)	6	35	225	59	512.4
Value (\$000)	11	362	869	107	781.4
Austria					
Quantity (No.)	-	-	4	-	0.0
Value (\$000)	-	-	789	-	0.0
Sweden					
Quantity (No.)	118	16	20	27	-58.8
Value (\$000)	493	141	752	63	23.5
France					
Quantity (No.)	6	29	107	142	322.3
Value (\$000)	409	55	603	424	21.4
United Kingdom					
Quantity (No.)	70	84	148	110	45.4
Value (\$000)	281	288	409	639	20.6
Fed. Rep. of Germany					
Quantity (No.)	58	78	116	158	41.4
Value (\$000)	312	1 507	223	272	-15.4
Denmark					
Quantity (No.)	19	10	22	3	7.6
Value (\$000)	62	70	144	5	52.1
Brazil					
Quantity (No.)	75	113	23	-	-44.6
Value (\$000)	75	109	76	-	0.9
Other					
Quantity (No.)	47	936	74	27	25.5
Value (\$000)	271	2 433	152	125	-25.0
Total	-----	-----	-----	-----	-----
Quantity (No.)	2 082	30 693	6 253	6 009	73.3
Value (\$000)	9 917	17 315	19 616	15 740	40.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**AIR CLEANERS FOR USE IN THE MANUFACTURE OF SKID-STEER LOADERS
(H.S. 8421.31.10.00)**

Country of Origin -----	1990 -----	1991* -----
United States		
Quantity (No.)	22 775	6 359
Value (\$)	501 053	198 454
Fed. Rep. of Germany		
Quantity (No.)	15 024	5 350
Value (\$)	94 998	31 836
Sweden		
Quantity (No.)	16 307	4 305
Value (\$)	87 829	27 252
Japan		
Quantity (No.)	2 287	355
Value (\$)	17 928	1 796
United Kingdom		
Quantity (No.)	1 935	32
Value (\$)	11 928	200
Taiwan		
Quantity (No.)	1 154	313
Value (\$)	3 874	8 200
Italy		
Quantity (No.)	87	4
Value (\$)	356	377
Other		
Quantity (No.)	-	487
Value (\$)	-	3 558
	-----	-----
Total		
Quantity (No.)	59 569	17 205
Value (\$)	717 966	271 673

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

AIR FILTERS FOR MOTOR VEHICLES (H.S. 8421.31.90.10)

Country of Origin	1990	1991*
-----	----	----
United States		
Quantity (000 No.)	1 985	1 681
Value (\$000)	23 697	17 486
Japan		
Quantity (000 No.)	321	207
Value (\$000)	1 820	1 483
Republic of Korea		
Quantity (000 No.)	70	57
Value (\$000)	1 446	1 414
Fed. Rep. of Germany		
Quantity (000 No.)	18	24
Value (\$000)	251	285
France		
Quantity (000 No.)	21	14
Value (\$000)	152	108
Taiwan		
Quantity (000 No.)	11	11
Value (\$000)	86	78
Sweden		
Quantity (000 No.)	4	6
Value (\$000)	63	83
United Kingdom		
Quantity (000 No.)	8	10
Value (\$000)	54	80
Italy		
Quantity (000 No.)	7	6
Value (\$000)	40	54
Austria		
Quantity (000 No.)	2	1
Value (\$000)	14	21
Other		
Quantity (000 No.)	6	188
Value (\$000)	42	7 465
Total	-----	-----
Quantity (000 No.)	2 452	2 206
Value (\$000)	27 666	28 557

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

AIR FILTERS FOR INTERNAL COMBUSTION ENGINES - OTHER (H.S. 8421.31.90.90)

Country of Origin	1990	1991*
-----	----	----
United States		
Quantity (No.)	685 197	557 535
Value (\$000)	8 298	6 231
Fed. Rep. of Germany		
Quantity (No.)	30 196	44 001
Value (\$000)	173	188
United Kingdom		
Quantity (No.)	2 023	1 478
Value (\$000)	105	40
Sweden		
Quantity (No.)	7 532	8 676
Value (\$000)	63	48
Japan		
Quantity (No.)	3 536	15 697
Value (\$000)	42	129
France		
Quantity (No.)	3 501	7 160
Value (\$000)	34	72
Italy		
Quantity (No.)	5 194	3 266
Value (\$000)	30	17
Taiwan		
Quantity (No.)	2 504	11 295
Value (\$000)	28	126
Republic of Korea		
Quantity (No.)	4 429	1 574
Value (\$000)	27	8
Canada		
Quantity (No.)	103	528
Value (\$000)	20	4
Other		
Quantity (No.)	275	705
Value (\$000)	7	11
	-----	-----
Total		
Quantity (No.)	744 490	651 915
Value (\$000)	8 827	6 874

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

AIR SEPARATORS OF A KIND USED IN THE PROCESSING,
SMELTING OR REFINING OF MINERALS, ORES OR METALS
(H.S. 8421.39.10.00)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					
Quantity (No.)	815	797	1 078	1 809	15.0
Value (\$000)	3 903	1 637	799	1 269	-54.7
Taiwan					
Quantity (No.)	-	115	237	72	106.1
Value (\$000)	-	55	103	21	85.5
United Kingdom					
Quantity (No.)	2	4	40	134	347.2
Value (\$000)	34	16	17	49	-29.9
Fed. Rep. of Germany					
Quantity (No.)	-	1	3	-	200.0
Value (\$000)	-	0	3	-	496.3
France					
Quantity (No.)	-	-	2	-	0.0
Value (\$000)	-	-	1	-	0.0
Japan					
Quantity (No.)	-	-	2	6	0.0
Value (\$000)	-	-	1	2	0.0
Other					
Quantity (No.)	-	-	-	-	-
Value (\$000)	-	-	-	-	-
	-----	-----	-----	-----	-----
Total					
Quantity (No.)	817	917	1 362	2 021	29.1
Value (\$000)	3 937	1 709	923	1 341	-51.6

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

DUST EXTRACTORS OR SMOKE FILTERS (H.S. 8421.39.90.10)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
-----	----	----	----	----	-----
United States					(%)
Quantity (No.)	21 226	64 316	61 656	68 617	70.4
Value (\$000)	7 360	13 073	11 563	10 698	25.3
Fed. Rep. of Germany					
Quantity (No.)	50	144	480	170	209.8
Value (\$000)	70	104	430	171	147.1
Taiwan					
Quantity (No.)	868	1 910	1 172	970	16.2
Value (\$000)	419	434	210	160	-29.2
Sweden					
Quantity (No.)	49	139	213	351	108.5
Value (\$000)	163	131	125	228	-12.3
China					
Quantity (No.)	693	13 247	6 104	-	196.8
Value (\$000)	97	552	87	-	-5.1
United Kingdom					
Quantity (No.)	70	99	121	29	31.5
Value (\$000)	39	108	81	290	44.3
Italy					
Quantity (No.)	40	15	14	2	-40.8
Value (\$000)	7	207	40	48	138.2
Japan					
Quantity (No.)	59	61	15	145	-49.6
Value (\$000)	17	15	29	32	32.6
France					
Quantity (No.)	-	6	3	23	-50.0
Value (\$000)	-	3	25	5	864.1
Denmark					
Quantity (No.)	94	52	3	2	-82.1
Value (\$000)	56	47	15	1	-47.7
Other					
Quantity (No.)	994	13 913	27	4 948	-83.5
Value (\$000)	214	612	7	59	-82.2
Total					
Quantity (No.)	24 143	93 902	69 808	75 257	70.0
Value (\$000)	8 441	15 286	12 611	11 691	22.2

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

Country of Origin	CYCLONES (H.S. 8421.39.90.20)				Average Annual Growth Rate 1988-90
	1988	1989	1990	1991*	(%)
United States					
Quantity (No.)	499	508	419	322	-8.4
Value (\$000)	516	1 067	560	347	4.2
Taiwan					
Quantity (No.)	151	458	359	243	54.2
Value (\$000)	95	174	179	119	37.0
Netherlands					
Quantity (No.)	-	-	6	-	0.0
Value (\$000)	-	-	6	-	0.0
Sweden					
Quantity (No.)	164	5	3	2	-86.5
Value (\$000)	191	25	3	3	-86.5
Denmark					
Quantity (No.)	-	-	1	-	0.0
Value (\$000)	-	-	2	-	0.0
United Kingdom					
Quantity (No.)	25	18	7	18	-47.1
Value (\$000)	14	13	2	8	-58.4
Other					
Quantity (No.)	5	11	-	1	120.0
Value (\$000)	38	4	-	5	-89.1
Total					
Quantity (No.)	844	1 000	795	586	-2.9
Value (\$000)	854	1 284	753	482	-6.1

Ranked in descending order by 1990 value.

* The latest year is cumulative to the third quarter.

FILTERING OR PURIFYING MACHINERY AND APPARATUS FOR LIQUIDS OR GASES

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

ELECTROSTATIC FILTERS (PRECIPITATORS) (H.S. 8421.39.90.30)

Country of Origin	1988	1989	1990	1991*	Average Annual Growth Rate 1988-90 (%)
United States					
Quantity (No.)	6 425	10 405	7 510	13 922	8.1
Value (\$000)	3 488	5 923	13 086	15 770	93.7
Fed. Rep. of Germany					
Quantity (No.)	60	16	216	-	89.7
Value (\$000)	239	11	53	-	-52.9
Japan					
Quantity (No.)	-	20	301	233	1 405.0
Value (\$000)	-	3	41	31	1 438.5
Netherlands					
Quantity (No.)	-	8	58	100	625.0
Value (\$000)	-	6	36	20	544.4
Sweden					
Quantity (No.)	-	-	18	95	0.0
Value (\$000)	-	-	32	75	0.0
Canada					
Quantity (No.)	-	-	19	-	0.0
Value (\$000)	-	-	3	-	0.0
Other					
Quantity (No.)	9 016	4	-	2 166	-100.0
Value (\$000)	150	43	-	164	-71.1
Total					
Quantity (No.)	15 501	10 453	8 122	16 516	-27.6
Value (\$000)	3 877	5 986	13 251	16 061	84.9

Ranked in descending order by 1990 value.

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**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**INDUSTRIAL GAS CLEANING EQUIPMENT
(H.S. 8421.39.90.91)**

Country of Origin	1990	1991*
United States		
Quantity (No.)	6 406	4 547
Value (\$000)	2 481	2 990
Sweden		
Quantity (No.)	346	-
Value (\$000)	55	-
Fed. Rep. of Germany		
Quantity (No.)	1	-
Value (\$000)	14	-
Italy		
Quantity (No.)	275	6
Value (\$000)	14	7
United Kingdom		
Quantity (No.)	2	1
Value (\$000)	0	0
Other		
Quantity (No.)	-	-
Value (\$000)	-	-
Total		
Quantity (No.)	7 030	4 554
Value (\$000)	2 564	2 998

Ranked in descending order by 1990 value.

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**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**GAS SEPARATION EQUIPMENT
(H.S. 8421.39.90.92)**

Country of Origin-----	1990 -----	1991* -----
United States		
Quantity (No.)	10 228	4 577
Value (\$000)	1 855	2 315
Fed. Rep. of Germany		
Quantity (No.)	1	-
Value (\$000)	119	-
France		
Quantity (No.)	9	-
Value (\$000)	25	-
Japan		
Quantity (No.)	17	75
Value (\$000)	2	8
Finland		
Quantity (No.)	3	-
Value (\$000)	1	-
Hong Kong		
Quantity (No.)	20	-
Value (\$000)	0	-
Other		
Quantity (No.)	-	1
Value (\$000)	-	1
	-----	-----
Total		
Quantity (No.)	10 278	4 653
Value (\$000)	2 001	2 323

Ranked in descending order by 1990 value.

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**FILTERING OR PURIFYING MACHINERY AND APPARATUS
FOR LIQUIDS OR GASES**

V. CANADIAN IMPORTS BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**OTHER
(H.S. 8421.39.90.99)**

Country of Origin	1990	1991*
United States		
Quantity (000 No.)	1 876	1 650
Value (\$000)	208 486	178 242
Mexico		
Quantity (000 No.)	387	165
Value (\$000)	33 579	13 057
Fed. Rep. of Germany		
Quantity (000 No.)	15	17
Value (\$000)	2 699	2 073
Republic of Korea		
Quantity (000 No.)	19	6
Value (\$000)	1 719	887
Japan		
Quantity (000 No.)	20	68
Value (\$000)	1 035	2 433
Norway		
Quantity (000 No.)	4	0
Value (\$000)	733	8
Taiwan		
Quantity (000 No.)	16	7
Value (\$000)	479	480
Sweden		
Quantity (000 No.)	2	6
Value (\$000)	443	755
United Kingdom		
Quantity (000 No.)	7	2
Value (\$000)	339	187
Italy		
Quantity (000 No.)	9	2
Value (\$000)	285	72
Other		
Quantity (000 No.)	13	13
Value (\$000)	666	1 134
Total		
Quantity (000 No.)	2 368	1 937
Value (\$000)	250 462	199 329

Ranked in descending order by 1990 value.

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DID YOU KNOW?

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