Spray Engineering Company

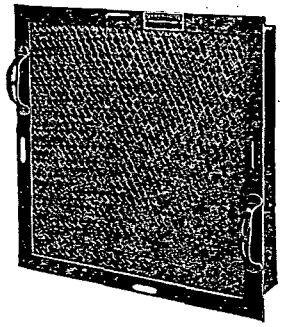
60 High Street, **Boston, Massachusetts**

Engineers and Manufacturers of Air Filters, Air Washers, Air Coolers, Spray Cooling Ponds, Nozzles, Strainers, Flow Meters, Lawn Sprinklers

SPRACO AIR FILTERS

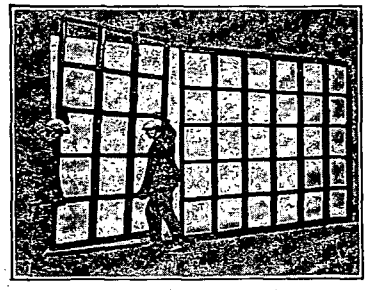
Spraco Air Filters efficiently remove from the ventilating air, dust, dirt and other foreign matter. Their design incorporates decided improvement in both the automatic and the unit cell type air filter, which results in low air resistance combined with exceptionally high air cleaning efficiency.

The filter media is arranged to give the greatest possible dust collecting surface within a given space and is comprised of diversiform expanded metal sheets and knitted copper mats. All parts are factory welded and exceptionally rugged.



Spraco Filter Cell (Front View)

Spraco Automatic Air Filter—The SPRACO Automatic Air Filter is not only exceptionally efficient (the air being filtered twice due to the double-pass feature) but is absolutely self-cleaning. The design incorporates a number of removable filter boxes made up as an endless filter belt, a portion of which extends down into a tank of "Dustix" Charging Solution. The dirt is settled out in this tank and removed automatically by the sediment ejector. The ¼ hp. motor which drives both the filter belt and sediment ejector operates for a period of only 10 to 20 minutes per day, consequently the power consumption is negligible. SPRACO Automatic Air Filters are furnished in single, two and three section units, to conform with the capacity required. *Further particulars on request.*



Spraco Sectional Framework minimizes erection costs

Spraco Cell Type Filters—(See Illustrations). The SPRACO Cell Type Filters, which are in universal use, have very distinctive features, some of which are mentioned below. Although not self-cleaning, they are generally preferred, owing to their low first cost.

Spraco Sectional Framework—The framework for holding the cells is made up in sections of all welded construction, to insure maximum strength and perfect alignment. The sectional framework also eliminates air leakage and reduces the cost of installation to a minimum.

Two-Point Seal—The cells make a two-point contact with the sectional framework which is provided with a felt sealing strip at the rear. All air must therefore pass through the filter media. Quick-acting spring latches, *four* to each cell hold the cell firmly against the two-point seal.

Spraco Washing Tank—All Spraco Washing Tanks are equipped with steam water heater, overflow, drain, and water connection. They can be furnished with steam cleaning device and mechanical lift, which reduces the labor required to clean the cells to an absolute minimum.

SEND FOR BULLETIN F-47

Specifications for Cell Type Filters

Space occupied by Cell	20 x 20 x 4 in.
Standard air capacity of Cell	800 c.f.m.
Average Resistance	¼ in. w.g. when clean ½ in. w.g. with 1 lb. dirt per cell
Cleaning efficiency	Under normal conditions will remove 97 per cent of dust a nd dirt
Net weight of Cell	30 lbs.
Net weight of Sectional Framework	per Cell—15 lbs.
Net weight of Washing Tank (Standard)	100 lbs.
Net weight of Charging Tank	80 lbs.
Net weight of Dustix Charging Solution	per Gallon— 8 lbs.

Engineering Service

The Spray Engineering Company maintains a corps of engineers experienced in all phases of air conditioning, including the filtering, washing, cooling, humidifying, and dehumidifying of air for all classes of work. These engineers are available for consultation regarding the best solution of such problems.

American Radiator Company

IDEAL GAS BOILERS

Distributor

American Gas Products Corporation

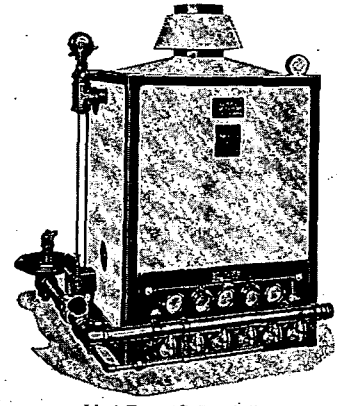
376 Lafayette Street, New York

Ideal Gas Boilers

for house-heating and industrial hot water supply

A full line of specially designed gas boilers, completely equipped for automatic operation (steam, water or vapor), with all accessories and furnished with handsome Ideal insulated jackets.

In use by leading gas companies; accepted as standard by architects, heating contractors and engineers. Will heat anything from a three-room cottage to the largest building.



Ideal Type 4G Gas Boiler

Boiler No.	RATINGS: Steam Boilers A. G. A. Rating	Steam Boilers Available B.t.u.	Steam Boilers Hp. Rating	Water Boilers A. G. A. Rating	Water Boilers Available B.t.u.	DIMENSIONS: No. of Burners	Width Inches	No. and Size of Flue Connec. Diameter Inches	Height Including Diverters Inches	No. and Size of Tappings: Supply Inches	Return Inches
1-G-4	525	126,000	3.8	900	135,000	3	18½	1-6	52½	2-4	2-4
1-G-5	700	168,000	5.0	1200	180,000	4	22½	1-7	52½	2-4	2-4
1-G-6	875	210,000	6.3	1500	225,000	5	26½	1-8	53	2-4	2-4
1-G-7	1050	252,000	7.5	1800	270,000	6	30½	1-8	53¾	2-4	2-4
1-G-8	1225	294,000	8.8	2100	315,000	7	34½	1-8	54½	2-4	2-4
1-G-9	1400	336,000	10.0	2400	360,000	8	38½	1-9	57½	2-4	2-4
1-G-10	1575	378,000	11.3	2700	405,000	9	42½	1-9	58¼	2-4	2-4
1-G-11	1750	420,000	12.5	3000	450,000	10	46½	1-10	58¾	2-4	2-4
1-G-13	2100	504,000	15.0	3600	540,000	12	54½	1-11	60¼	2-4	2-4
1-G-15	2450	588,000	17.5	4200	630,000	14	62½	1-12	61½	2-4	2-4
4-G-6	2000	480,000	14.3	3250	487,500	5	27	1-11	69	1-6	2-5
4-G-7	2400	576,000	17.2	3900	585,000	6	31	1-11	69¾	1-6	2-5
4-G-8	2800	672,000	20.0	4550	682,500	7	35	1-12	70¼	1-6	2-5
4-G-9	3200	768,000	22.9	5200	780,000	8	39	1-12	71	1-6	2-5
4-G-10	3600	864,000	25.8	5850	877,500	9	43	1-13	73	1-6	2-5
4-G-11	4000	960,000	28.6	6500	975,000	10	47	1-14	73½	1-6	2-5
4-G-12	4400	1,056,000	31.5	7150	1,072,500	11	51	1-14	74¼	1-6	2-5
4-G-14	4800	1,152,000	34.4	7800	1,170,000	12	61	2-11	69¾	2-6	2-5
4-G-16	5600	1,344,000	40.0	9100	1,365,000	14	69	2-12	70¼	2-6	2-5
4-G-18	6400	1,536,000	45.8	10,400	1,560,000	16	77	2-12	71	2-6	2-5
4-G-20	7200	1,728,000	51.6	11,700	1,755,000	18	85	2-13	73	2-6	2-5
4-G-22	8000	1,920,000	57.2	13,000	1,950,000	20	93	2-14	73½	2-6	2-5
4-G-24	8800	2,112,000	63.0	14,300	2,145,000	22	101	2-14	74¼	2-6	2-5

Ideal Gas Boilers are rated according to the specifications contained in the Code of the *American Gas Association* for testing and rating gas-fired boilers.

Ideal Gas Boilers will deliver 240 B.t.u. per hour per sq. ft. of STEAM rating and 150 B.t.u. per hour per sq. ft. of WATER rating at boiler outlets.

Pop Safety Valves conform in size to the requirements of the Code of the *American Society of Mechanical Engineers.*