

Autovent Fan & Blower Company

1809-23 N. Kostner Ave., Chicago, Illinois



FANS—BLOWERS

UNIT HEATERS

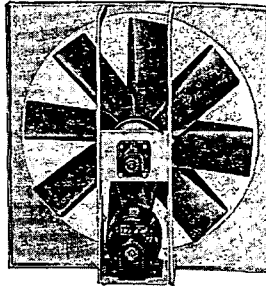
Member National Association of Fan Manufacturers and Industrial Unit Heater Associations

Coolvent Fan—Belt Driven Propeller Fan for commercial and industrial applications as well as residential attic fan installations where large volume of air is required with quiet operation at low initial and operating costs. Sizes from 24" to 54" diameter. Bulletin No. 204-A sent on request.



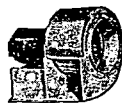
Autovent "31" Series Propeller Fans—Will not churn air or overload the motor. Especially recommended for economical ventilation. Ruggedly constructed. Capacities from 500 to 38,000 cfm. Write for bulletin No. 200.

Acid-moisture and Explosion Proof Fans—The acid-moisture proof units are equipped with fully enclosed motors and specially constructed fan wheels. The vapor-explosion proof units designed to handle explosive dusts and gases have underwriters label "Class 1—group D" motors and non-ferrous fan wheels to meet the requirement. Write for bulletin No. 201.



AUTOVENT "31 SERIES" PROPELLER FANS Constant or Two Speed—Alternating Current—Multiphase— 220 or 440 Volts—60 Cycle

Size Type	Motor Hp	Cfm Max.	Appr. Rpm Max.	Appr. Shpg. Wt. Lb.	Size Type	Motor Hp	Cfm Max.	Appr. Rpm Max.	Appr. Shpg. Wt. Lb.
16HMN	1/8	1700	1140	64	30HML	1/3	7100	850	210
16HMR	1/5	1950	1225	66	30HMN	1/2	8100	1140	220
18HMN	1/8	2350	1140	77	36HMT	1/2	10000	690	335
18HMR	1/4	2950	1225	90	36HML	3/4	12500	850	390
20HMN	1/4	3450	1140	115	42HMT	1.0	13500	690	510
20HMR	1/4	3550	1225	115	48HMT	1 1/2	18900	690	650
24HML	1/6	3850	850	145	54HME	2	21500	575	890
24HMN	1/4	4500	1140	150	60HME	2 1/2	26500	480	1200
24HM	1/3	5250	850	175	72HME	3	38000	480	1500



Autovent Uniblade Volume Blowers—Motor driven—universal discharge for fume hoods, chemical labs, processing, drying, forced draft, etc. Handles low volumes of air at medium pressures. Wheels range from 6 in. to 11 in. dia.—same design as heavy duty blowers. Can be mounted on floor, wall or ceiling. Direct Connected Blowers for general ventilating applications, available in wheel diameters up to 25 in. Bulletin No. 300. Forward Curve Belt Driven Blowers No. 301.

Autovent "V" Belt Driven Unit Blowers—Forwardly curved blade type with smooth air flow and quiet bearings. Motor mounted on steel pedestal, integral with blower housing, making a compact unit. Air delivery can be decreased or increased if desired. Interchangeable motors. Sturdily constructed of sheet steel, rolled lock seams. Write for bulletin No. 300. Backward Curve Belt Driven Blowers No. 302.

Autovent Super-Type Steam Unit Heaters—This suspended type heater forces air circulation and directs warm air to lower part of room. Heating element of flat copper fins, attached to seamless, drawn copper tubes. Tubes run vertically for perfect drainage. No welded or brazed joints in coil or header. Fans have non-overloading power feature. Motor furnished to requirement. Write for bulletin No. 102.

The Complete Line of AUTOVENT Propeller Fans is tested and rated in accordance with the Standard Test Code adopted jointly by the National Association of Fan Manufacturers and the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.

Bayley Blower Company

1817 S. Sixty-Sixth Street Branches in Principal Cities Milwaukee, Wis.

Builders of Heating, Ventilating, Cooling, Purifying, Humidifying and Air Washing Equipment; Exhaust and Drying Apparatus, Mechanical Draft and Blast, Fans and Blowers of all Types

Bayley Plexiform Fan:

Is a multi-blade fan for supplying air for heating and ventilating systems, manufacturing processes, drying systems, forced and induced draft systems. It is suitable for handling high or low temperature gases at medium or low pressure. Will deliver maximum quantities requiring minimum space with great economy.

This is a distinct Bayley product, high class material and workmanship, properly designed to avoid excessive vibration and overstressing of parts. Inlets and outlets are properly sized for maximum delivery and maximum efficiency. Fans are furnished in single or double width of any required arrangement and with sleeve or anti-friction bearings.



Aeroplex Fan:

Is of high speed design with self limiting power characteristics. Application parallel to the Plexiform Fan. Highly efficient and quiet in operation.

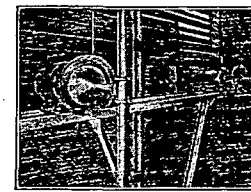
Bayley Exhausters and Pressure Blowers:

Type "B" exhaust fan is for heavy duty, handling refuse from industrial and textile plants. Type "SE" is used in handling smoke, fumes and dust-laden gases. Type "H" for high-pressure work. These units are highly efficient and of high class design and workmanship.



Bayley Turbo Air Washers, Humidifiers and De-Humidifiers:

The Turbo Atomizer used in the Bayley Washer produces a steady, fine spray. Water at low pressure is delivered to the center of a rapidly revolving cone-shaped rotor provided with atomizing pins set in its periphery. This

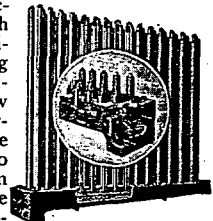


The Bayley Turbo Air Washer Showing Turbo Atomizer and Eliminator

atomizer requires very little attention, and will operate successfully under low water pressure. The orifices are large and this atomizer, unlike high pressure nozzles, cannot clog.

Bayley Chinook Heating Sections:

The Chinook section is used with blast heating, ventilating and drying systems, and is suitable for high or low pressure steam circulation. The base is divided into two chambers. Steam enters (see cut) the lower chamber, rising through 3/8-in. pipes located within the 1 1/4-in. pipes leading from the upper chamber. Condensation takes place in the larger pipes, the water falling into the upper chamber and draining away through the return outlet. The Chinook can be repaired in the middle of the bank without breaking steam connections or taking down a section.



Shipped assembled in smaller sizes, and knocked down in the larger units. May be installed in horizontal or vertical position.

Bayley Chinookfin Heating Sections:

Are the same design as the Chinook Heaters, using heavy gauge copper fin tubes. As compared with Chinook it is much lighter and occupies less space.

Bayley Plexfin Unit Heaters:

This unit incorporates Chinookfin radiation and Plexiform or Aeroplex fans. The fan assembly including top plate and motor is removable as a unit for maintenance and inspection. The heating element is a removable unit. Casing all welded extra heavy gauge. This is an exceptionally high grade unit at a moderate price.

