

BAYLEY BLOWER COMPANY

Engineered Air-Handling Equipment

1821 S. Sixty-Sixth St.

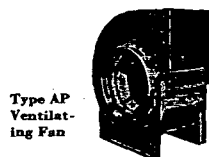
Milwaukee 14, Wis.

Representatives In Principal Cities



GENERAL VENTILATING & AIR-CONDITIONING FANS

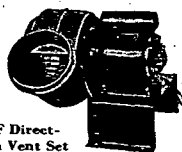
Bayley Type AP Fans have backward-inclined blades, non-overloading power characteristic. They are made in Classes I, II, III & IV for air-conditioning systems, plant and building ventilation, process air-handling, mechanical draft. Sizes from 12 $\frac{1}{4}$ -in. to 132 $\frac{1}{4}$ -in. wheel diameter, capacities from 1000 to 700,000 cfm, all standard drive arrangements, single and double width. Complete line of modifications and accessories. Sizes up to 365 (36 $\frac{1}{4}$ -in. wheel diameter) have reversible housings, facilitating prompt delivery of any discharge position in popular drive arrangements. All standard housings are made with scroll seams inside-welded for strong, tight construction, smooth exterior.



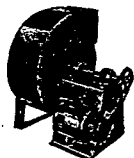
Type AP Ventilating Fan



Belted Vent Set



Type F Direct-Driven Vent Set



Type EX Industrial Exhaust Fan



Type H Pressure Fan

BELTED VENTILATING SETS

Compact unitary sets, complete with drive and motor, serve a wide variety of applications, such as kitchens, gymnasiums, lavatories, garages, restaurants, hospitals, laboratories, industrial plant areas. Sets may be used for supply or exhaust ventilation. They are available in wheel diameters from 9-in. to 36 $\frac{1}{4}$ -in., for capacities from 500 to 15,000 cfm. Smaller sizes have Type F forward-curved wheels, larger sizes have Type AP backward-inclined wheels, as required for most suitable drive selections. Wheels and housing are of same design and construction as regular Class I fans. Protective drive covers and automatic outlet louvers are available for outdoor installation.

DIRECT-DRIVEN VENTILATING SETS

Sets with forward-curve wheel mounted on motor shaft are particularly suited for light-duty low-capacity requirements. Wheel sizes from 4 $\frac{1}{4}$ -in. to 10 $\frac{1}{4}$ -in., capacities from 100 to 1500 cfm. Larger sizes made to order as regular arrangement 4 fans. Typical applications include small rooms, booths, cabinets, compartments, equipment cooling. Housings and wheels are designed and built for permanency under hard usage. Inlet screens and filters are available. Also can be equipped with motor cover for outdoor installation. These sets are particularly recommended for incorporation as ventilating or cooling fans in factory-built apparatus.

INDUSTRIAL EXHAUST FANS

Type EX Fans are of the radial-blade medium speed design best suited to the wide diversity of industrial air-handling requirements. Sizes range from 5-in. to 60-in. inlet diameter, 8 $\frac{1}{4}$ -in. to 104 $\frac{1}{4}$ -in. wheel diameter. 200 to 55,000 cfm capacity. Style CP, open, back-plate wheels are recommended for the majority of materials handling applications. Style AH closed wheels are designed for maximum efficiency when handling clean air or gas. Many modifications and special construction features can be incorporated for unusually severe conditions of abrasion or corrosion. Temperatures up to 1450° F can be handled with appropriate bearing selections and heat finger arrangements.

PRESSURE FANS

Type H Fans are proportioned to suit high pressure/volume ratio characteristically required in certain phases of pneumatic conveying, cupola blast, burner draft, suction or blast cleaning, and the like. Usual pressure range is from 12-in. WG to 55-in. WG (2 psi). Four designs are offered: No. 1, to 21-in. SP; No. 2, over 21-in. to 28-in. SP; No. 3, over 28-in. SP to 35-in. SP; No. 4, over 35-in. SP. While basic sizes and proportions are established, the necessary flexibility of selection for the wide range of pressure volume combinations is provided by varying widths of fans as required. Wheel diameters are also variable in sufficient degree to achieve proper operation at standard direct-connected motor speeds.



BROOKSIDE CORPORATION

McCordsville, Indiana

Manufacturers of: Fans • Blowers • Ventilating Equipment

Brookside Corporation is large enough to serve you well—small enough for frequent contact between management and production supervisory personnel to insure top quality and coordination of all customer requirements. Brookside offers custom engineering free of charge—and production at competitive prices. A company-owned airplane is maintained to offer the fastest possible service and engineering assistance when it is necessary.

M-PEL-AIR 6-BLADE ONE-PIECE FANS: One piece fans in a wide range of sizes from 6 in. diameter 4-Blade to 14 in. diameter 6-Blade. Some models with slinger rings for room air conditioner application. Manufactured of aluminum or steel.

M-PEL-AIR AUTOMOTIVE TYPE: Heavy-duty automotive type fans, both single and double spider types, in both steel and aluminum blades. A wide range of sizes from 10 in. diameter through 85 in. diameter. Available in 4, 5, 6, and 8 blade designs. Suitable for use on gasoline or diesel engines and cooling tower applications.

M-PEL-AIR ROOF EXHAUSTERS: Available in a wide range of models and types ranging from 250 cfm to more than 11,000 cfm. Spun aluminum construction with aerodynamic design for greater efficiency. Entire line features extremely low silhouette. Backward inclined, non-overloading centrifugal fan wheels assure quiet operation.

M-PEL-AIR GRAVITY ROOF EXHAUSTERS: Engineered and designed for fresh air intake or relief of pressure within building. Lightweight, spun aluminum housing construction. 8 Models. Motor operated or spring loaded back-draft eliminators, cylindrical bird guards, bug screens optional on all models.

M-PEL-AIR BELT DRIVE ROOF EXHAUSTERS: Power unit is resilient-mounted for quiet operation. Fan wheel design, unrestricted air flow make for quiet operation. Rigid spun aluminum housing. All belts, pulleys, bearings and motors standard sizes. Low silhouette blends well with contemporary architecture.

M-PEL-AIR FAN BLADES: Slinger-type for air conditioning or offset spider and conventional propeller type fans for ventilating and other applications. All engineered exactly to your specifications free of charge. Slinger rings are all one-piece die drawn. Research and laboratory facilities available to solve air moving problems on your product.

M-PEL-AIR SIX BLADE: One-piece or fabricated construction in a wide range of diameters, any pitch, in aluminum or steel. Gives efficient air movement against higher static pressures. Solid or resilient hub. Also available in three and four blade.

M-PEL-AIR OFFSET TYPE: Gives maximum space-saving features by bringing blade around the motor. Brookside's advanced design blades give higher efficiency and may be made reversible.

M-PEL-AIR SLINGER BLADE: Solid die-drawn slinger rings, with the tabs a part of the blade, operate at low sound level and high efficiency. Designed especially for air conditioning and refrigeration industry.

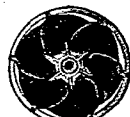
M-PEL-AIR 100 & 200 SERIES BLOWERS: 100 series specifically designed for higher pressure applications. Rugged construction with conical shaped inlet ring welded to blades. Available from 14 to 60 inch diameter. Series 200 designed for lower pressures. Fabricated of aluminum, stainless, or steel, riveted throughout. Both series have backward inclined blades for low noise and non-overloading characteristics and are statically and dynamically balanced.



4-Blade with Ring



6-Blade without Ring



Slinger Type



4-5-6 & 8-Blade Automotive Type



6-Blade One Piece



100 Series



4-Blade without ring



Offset Type



Direct Drive Exhauster



Gravity Roof Exhausters



Belt-Drive Exhausters



200 Series