



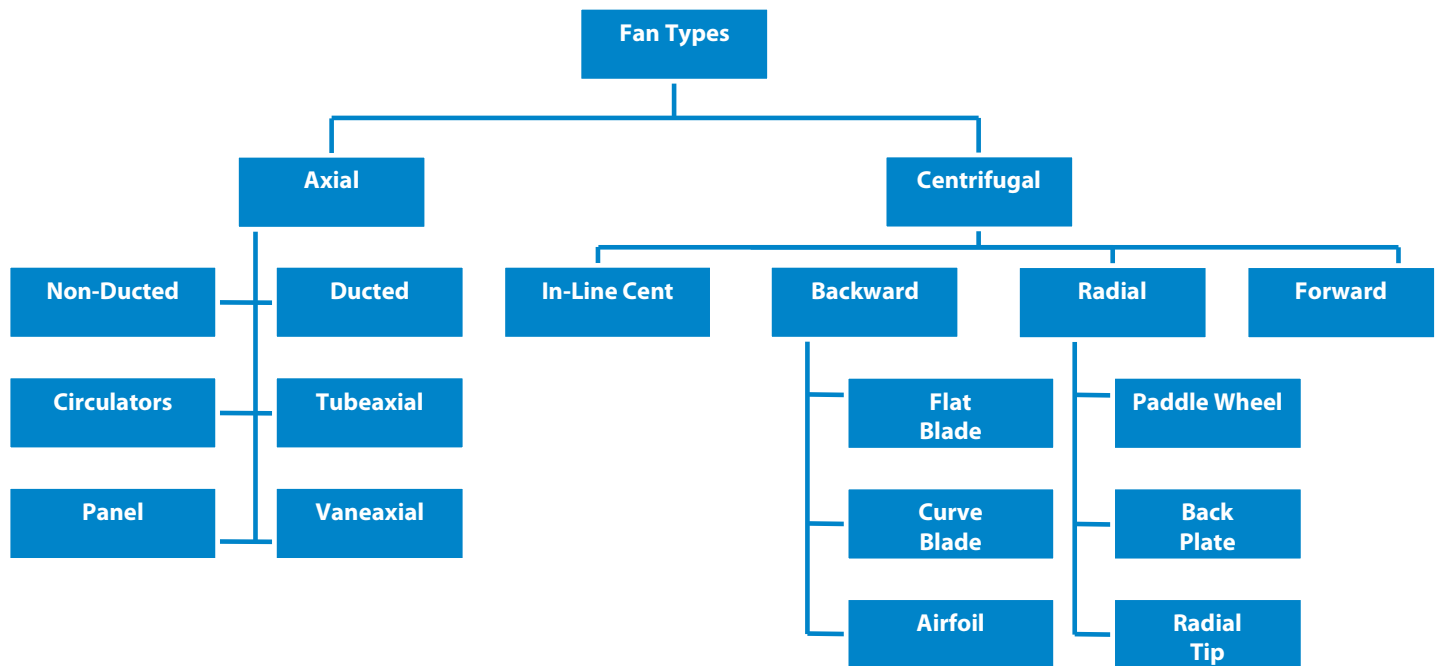
Specific fans have been developed to meet the aerodynamic and environmental conditions for various situations. In general, there are two major design criteria:

### Clean Air Applications

- Dust Collectors (Baghouse) Fans Located on the Exhaust Side
- Supply and Return fans on HVAC Systems
- Toilet Exhaust Fans

### Dirty Air Applications

- Dust Collector (Baghouse) Fans Located on the Inlet Side
- Dust Collector (Cyclone) Fans Located on the Inlet or Exhaust Side



### Heavy Duty Blowers

#### Applications

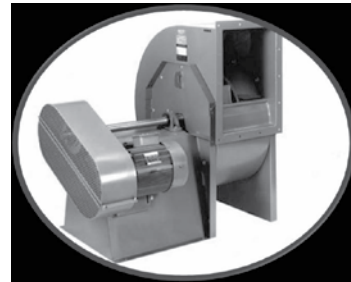
- Use for forced ventilation requiring higher volume and pressure

#### Features

- Capacities to 48,550 CFM and 21" SPWG
- AMCA Class II, III, and IV construction/ Class 17, 22, 26
- Available with backward inclined or airfoil wheels
- Available in carbon steel, aluminum or stainless steel construction

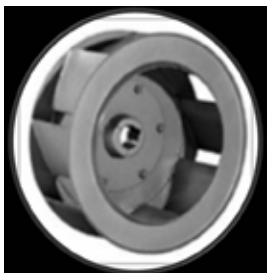
#### Benefits

- A very wide range of performance ratings



### Backward Inclined

- BC & BAF Design
- High volume at moderate SP
- High speed
- Non-Overloading-KEY POINT
- Low abrasion resistance
- High efficiency – KEY POINT
- Stable performance characteristics
- Low Noise – KEY POINT
- Generally clean air use
- Suitable for forced draft, HVAC, recirculation, clean side of dust collector



#### Wheel Construction

The BC backward inclined blade wheel with inlet side rim is designed as a proper companion for the inlet cone.



The BAF Wheel with die-formed hollow airfoil blades continuously welded to the rim and back-plate.

### Radial Blade, Modified Radial Blade

- Medium Efficiency.
- Suitable for Hot, Sticky, Abrasive Particulate.
- High Speed, High Pressures. KEY POINT
- High Noise.
- Used for Induced Draft on High Pressure, Very Abrasive or Sticky, High Temperature Service.



### High Pressure Blowers Series I & II

#### Applications

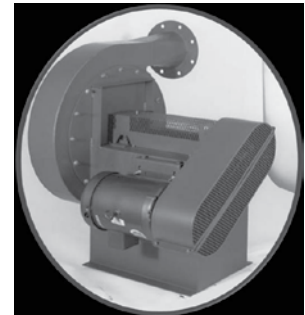
- Use for combustion air, blow-off, conveying and higher applications

#### Features

- Capacities to 7000 CFM and 78 SPWG
- Rugged standard steel, aluminum or stainless construction

#### Benefits

- Stable flow characteristics at all flow rate ranges
- Round inlets and outlets for easy work duct connections
- Inlet and outlet flanges drilled per ANSI-125 and ASA-150 dimensions.
- Housings rotatable in field
- Shaft seals are standard



### Cast Aluminum Pressure Blowers

#### Applications

- Use for OEM and industrial cooling, conveying and pressurizing applications

#### Features

- Capacities to 4500 CFM and 20" SPWG
- Wheels – Self-cleaning cast aluminum
- Housing – Cast Aluminum



#### Benefits

- Cast aluminum housings and wheels are AMCA Type "B" spark resistant
- Cast aluminum is non-toxic, non-magnetic and not affected by cold
- 8 blower sizes and 87 wheel / inlet combinations offer a very wide range of direct drive performance ratings
- Round inlets and outlets for easy duct work connections