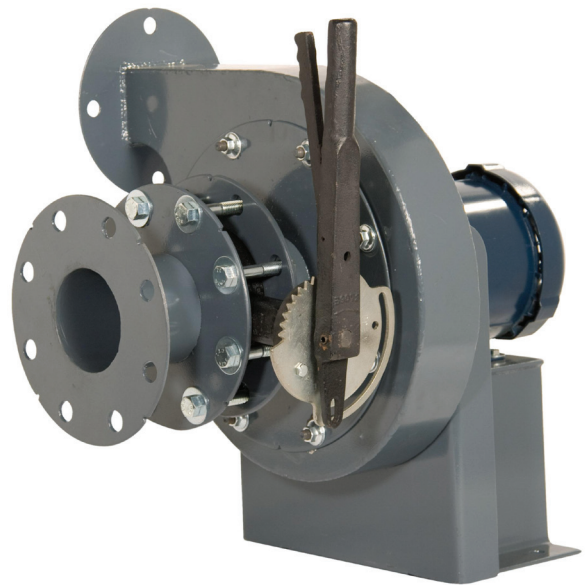


HPB - HIGH PRESSURE BLOWERS

IAP's type HPB offers an array of fan sizes and wheel combinations to meet diverse industrial applications from combustion air to fume exhaust. The HPB is specifically designed to handle low to moderate air volumes at moderate to high static pressures. Stable performance from shut off to wide open volume eliminates surging.



Available in AMCA direct drive arrangements 4 (above left) & 8 (above right) as standard and available in belt drive arrangement 9 for custom applications. HPB pressure blowers have 8 standard housing sizes and 15 different wheel sizes available to match the end users required performance. High strength aluminum alloy wheels provide AMCA 'B' spark resistance as standard. Heavy gauge continuously welded housings are rigidly braced to prevent 'flexing' at high pressures. All wheels are statically and dynamically balanced prior to assembly and all assembled units are final trim balanced at operating speed prior to shipment.

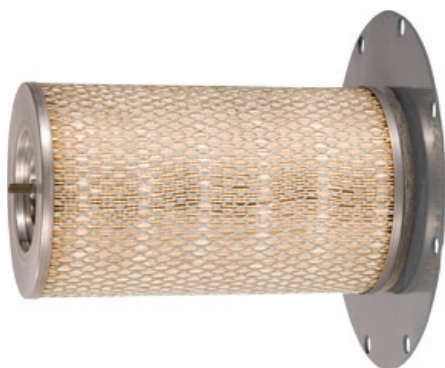


Type HPB pressure blowers are suited for high pressure industrial process applications. All applications can be handled in induced or forced draft configurations. A wide range of available modifications and accessories make the HPB suitable for industrial systems which include: COMBUSTION AIR, FURNACE BLOWERS, AIR KNIVES, MOISTURE BLOW-OFF, COOLING SYSTEMS, GLASS MANUFACTURING, AND FUME EXHAUST.

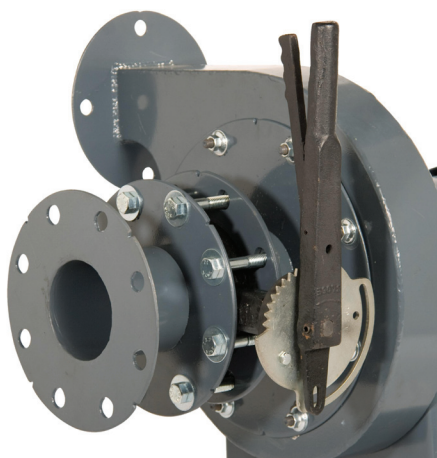
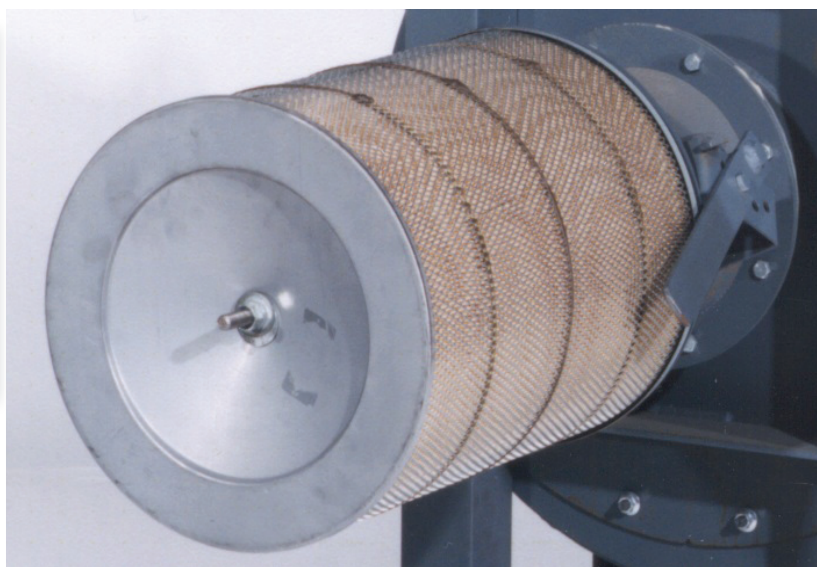
HPB blowers provide efficient air movement of clean air. This is accomplished using combinations of radial blade wheels in aerodynamic housings providing superior efficiency over traditional radial blade fan designs. Blower housings are reversible and rotatable in 45° increments.



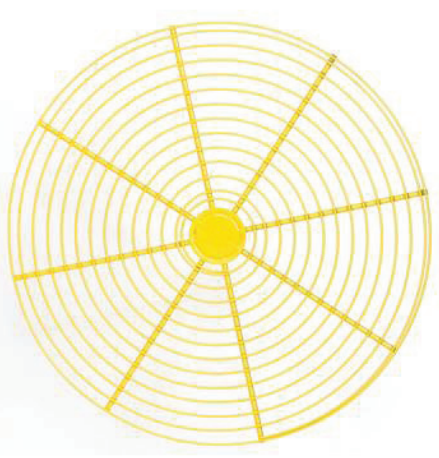
Catalog Static Pressures to 30 in. wg. (Standard) and 50 in. wg. (TURBO). Standard HPB wheels are aluminum alloy with narrow radial blades. HPB TURBO wheels are riveted aluminum alloy construction with a shroud to achieve higher static pressure capability. TURBO wheels are used for wheel diameters over 20 inches.



Inlet Filter Option: Fiber wafer filter media supported by perforated metal inner & outer bodies. Furnished standard with connection rod & end cap. Also available with a protective weather cover / hood.



Damper Option: Single blade valve dampers are available for inlet or discharge mounting. Valve dampers are constructed of heavy gauge steel and supplied with manual control lever and locking quadrant.



Inlet screen guards available for inlets or outlets open to the atmosphere.



Standard continuously welded flanges with ANSI 125/150 pipe flange bolt patterns allow for ready connection to standard piping.