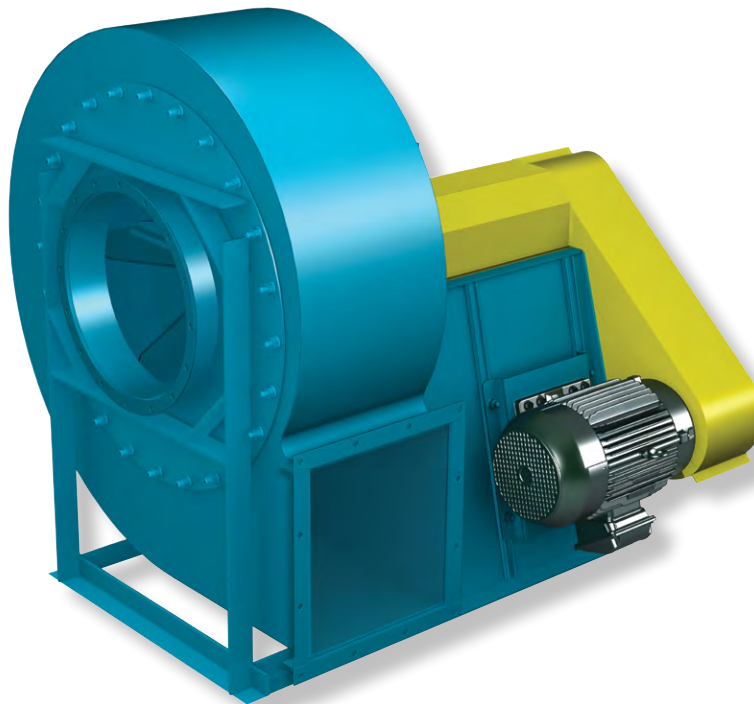




INDUSTRIAL PROCESS AND
COMMERCIAL VENTILATION SYSTEMS



PETROCHEMICAL MARKET
AIR MOVING SOLUTIONS



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Special Features



Stainless Steel Construction used in highly corrosive environments

High Temp Construction to ensure integrity of the fans in high temperature processes by utilizing high temp construction methods and materials

Fully Clad Insulated Fans offered in a variety of thicknesses (2", 4", 6") for heat and sound attenuation

Spark Resistant Construction ensures the safe handling of potentially explosive or flammable particles, fumes or vapors

Special Coatings available to suit the process air stream

Vibration Sensors installed to monitor vibration levels on the bearings

Bearing RTDs used to measure and monitor temperature in the bearings

Inlet Boxes allow for proper air entry at fan inlet in tight locations

Disk Type Spacer Coupling for minimum maintenance with replaceable disks

Circulating Oil Systems designed to ensure long bearing life

Petrochemical Market Fan Applications

The petrochemical industry utilizes fans in many different areas of the plant. Each of these custom applications requires quality fans designed for durability, ease of maintenance and dependability. Some of the areas where fans are used include forced draft (FD) and induced draft (ID).

Twin City Fan & Blower has extensive experience providing air movement solutions involving all areas of petrochemical processing. We have worked with numerous companies throughout the United States and worldwide, serving more than 60 petrochemical facilities and counting.

Repair & Field Service

Twin City Fan & Blower provides fan testing and validation services at our in-house laboratory, as well as on-site. We also offer scheduled maintenance, including balance, alignment and operational training. Twin City Fan & Blower services and repairs all brands and types of fans. The fan services we offer are an extension of our commitment to provide our customers with the highest level of service and support.



Model HIB High Efficiency
Backward Curved Fan



Model MBR Heavy Duty
Pressure Blower

API

Twin City Fan and its member companies have vast experience in meeting the extremely stringent requirements of the American Petroleum Institute (API). With engineers sitting on the API task force, project management, test procedures and worldwide installations, Twin City Fan & Blower has the experience and expertise to meet the API 560 and 673 specifications without exceptions.

Typical Requirements:

- Fan sleeve bearings, with anti-friction or hydrodynamic
- Constant level oilers
- Single or double carbon ring shaft seals
- Corrosion resistant shaft sleeves with strict runout tolerances
- Heavy-duty inlet silencers with minimum 15' height requirements
- NDE-Dye penetrant inspection of rotor welds
- Fan mechanical run test and performance shop test

Special Features:

- Cast iron access doors
- External linkage radial vane damper
- Tubular base
- Lateral and torsional analysis complete to the bottom of the sub base



Model RBA Industrial
Radial Blade Fan



Model BCS Backward Curved
High Volume/Pressure Fan



Common Products (Petrochemical Market)

**BCS - Backward Curved High Volume/
Pressure Fan**

**RBA/RBO - Industrial Radial Blade Fan, Air
Handling Wheel/Paddle Wheel**

RTF/HRT - Radial Tip Fan

**TBNA/TBNS - Turbo Pressure Blower,
Aluminum/Steel Wheel**

**HIB - High Efficiency Industrial Backward
Curved Fan**

**MBR - Heavy Duty Pressure Blower, High
Pressure Air Handling**

BCN - Backward Curved Pressure Blower





INDUSTRIAL PROCESS AND COMMERCIAL VENTILATION SYSTEMS

CENTRIFUGAL FANS | UTILITY SETS | PLENUM & PLUG FANS | INLINE CENTRIFUGAL FANS
MIXED FLOW FANS | TUBEAXIAL & VANEAXIAL FANS | PROPELLER WALL FANS | PROPELLER ROOF VENTILATORS
CENTRIFUGAL ROOF & WALL EXHAUSTERS | CEILING VENTILATORS | GRAVITY VENTILATORS | DUCT BLOWERS
RADIAL BLADED FANS | RADIAL TIP FANS | HIGH EFFICIENCY INDUSTRIAL FANS | PRESSURE BLOWERS
LABORATORY EXHAUST FANS | FILTERED SUPPLY FANS | MANCOOLERS | FIBERGLASS FANS | CUSTOM FANS



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