



PB 24 Series

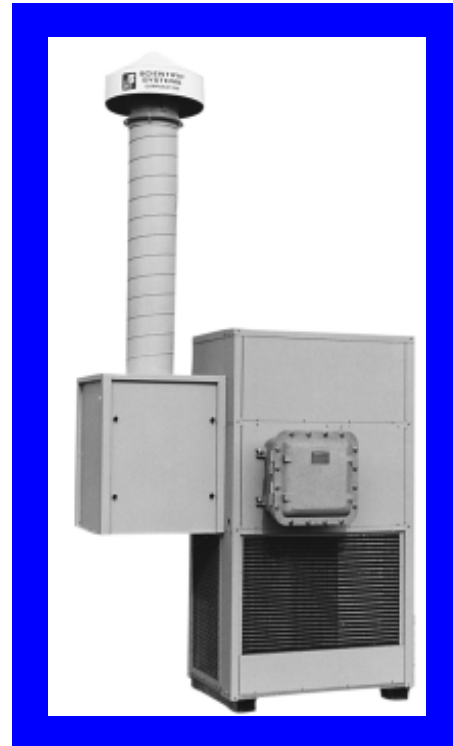
Severe Duty Air Conditioners

with

Room Pressurization

for

Hazardous and Dusty Locations



APPLICATIONS

- Industrial Control Rooms
- Process Analyzer Buildings
- Motor Control Centers
- Offshore Oil & Gas Production Platforms
- Gas Pipeline and Compressor Stations
- Chemical and Pharmaceutical Plants
- Grain Transfer and Storage Facilities
- Steel Mills
- Silicon Production and Processing

FEATURES

- Building Pressurization, Air Conditioning, Heating and Air Filtration in one Pretested Module
- Explosion Proof models for Classes I or II, Groups B, C, D, E, F and G in Divisions 1 and 2.
- Compliance with NFPA 496 and API Codes
- Designed for Severe Industrial and Marine Service
- Automatic Room Pressurization System Minimizes Heating and Cooling Loads
- Control Panel with Pressure Readout, Pressure Loss Alarm, and Thermostat
- Cooling Capacities from 3 to 12.5 tons
- Compact Vertical Design has Minimum Footprint
- Steam or Electric Heat *
- Corrosion Resistant Stainless Cabinets and *SaveCoil 101* Coil Coatings *
- Three-Year Limited Warranty on Entire System

* Optional

** For Higher Make Up Air Volume or Gas-Phase air filtration the PB 20 Series should be specified.

DESCRIPTION

Industrial buildings in hazardous or dusty locations require both air conditioning and pressurization. Specific pressures and air flow across door openings are dictated by NFPA 496, API and other industrial codes. The **PB 24 Series** is designed to provide the air conditioning and pressurization in one compact, pre-assembled and pretested module.

The desired building pressure is automatically maintained. A low noise, Vari-Speed blower supplies the exact volume of clean makeup air required to offset building air leakage and air loss from door openings.

These industrial grade air conditioners are built for ruggedness, performance and reliability. Cabinets are 14 ga galvanized steel, corrosion protected with a two-part epoxy primer and urethane topcoat. Drain pans are stainless steel. A type 316 stainless steel cabinet is optional. All mechanical and electrical components including switches and annunciator lights are industrial grade. Blowers are belt driven with adjustable speed pulleys. Bearings are pillow block type or permanently lubricated. All motors are totally enclosed (TEFC) with a 1.15 service factor.

The wide range of options includes redundant pressure blowers, gas and smoke detectors, steam or electric heaters, **SaveCoil 101*** baked phenolic coil coating and water-cooled condensers.