Intelligent Exhaust and Ventilation Systems

Tjernlund modulating draft, exhaust and combustion air systems expand your design options and adapt to changing conditions for precise control of exhaust and ventilation processes.

Architects
- Building designs not limited or dictated by needs of traditional exhaust and ventilation methods.
- Conceal exhaust terminations and eliminate unsightly chimneys, vents and louvers.
- Eliminate multiple exhaust vent roof penetrations.
- Eliminate large wall openings for make-up air louvers.
- Increase exhaust termination velocities to avoid issues with air intakes and windows.

Contractors
- Fit for duty design and construction for straightforward installations.
- Color coded job site wiring and factory provided quick-connect harness.
- Easy to service.
- Outstanding factory tech support.

Mechanical Engineers
- Factory sized and guaranteed vent, exhaust and combustion air system performance.
- Proven performance on a wide range of applications throughout North America.
- Route vents with no practical limitations.
- Save money by eliminating multiple vents and reducing vent diameter.
- Expand existing vent capacities for equipment upgrades and additions.
- Common vent category I and III heaters.
- Independently operate both exhaust and make-up air with a single controller.
- Automatically modulating performance allows heaters to operate at optimum efficiencies.
- Maintain constant negative pressure in common exhaust and dryer vents.
Add Value To Buildings

Commercial Industrial Buildings

Retail Buildings

Hide Vent Terminations
- Terminate just above roof surface
- Hide vent terminations behind parapet walls
- Increase discharge velocities of short stacks

Side Wall Vent Terminations
- Eliminate need for vertical chimney
- Automatically modulates to accommodate number of heaters in operation
- Automatically modulates to accommodate wind loading
- Increases design flexibility

Commercial Dryer Exhaust
- Combine commercial dryers in common exhaust duct
- Increase efficiency of common vented dryers
- Reduce exhaust duct diameter
- Overcome long horizontal exhaust ducts

Commercial Dryer Make-Up Air
- Eliminate large openings in building
- Duct make-up air from distant location
- Maintain neutral laundry room pressure
- Proportional, on-demand make-up air

Key Tjernlund System Components
- CPC-3 Controller manages exhaust and supply air simultaneously
- VSAD Series Auto-Draft® rooftop or sidewall mounted inducer
- VSUB Series Universal Blowers install indoors or outdoors for supply and exhaust
There's no substitute for performance!

Partial List of Tjernlund System Installations

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Details on Tjernlund Specified Systems are available at www.tjernlund.com or from your Tjernlund representative.

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