

PRODUCTS · BRANDS



Product Line Card

Founded in 2005 as Exhausto Northern California, we have been dedicated exclusively to commercial venting and exhaust systems from day one, becoming Enerflex Northern California in 2011 when Exhausto Inc. adopted the Enerflex name.

Today we operate as Exhaust Design Solutions (EXD), a name that reflects our expanded portfolio of venting manufacturers beyond the Enerflex line. More than two decades later, our focus remains 100% on venting.

FEATURED SYSTEM

Heat Recovery

EXD specifies the full heat-recovery stack: high-density modular economizers, integrated air-to-water and water-to-water heat pump platforms for deep decarbonization, and turnkey skid-mounted rooftop systems that drop into existing exhaust runs with minimal facility downtime. Selectable for condensing and non-condensing service, with active moisture condensation to eliminate visible cold-weather plume.

**WASTE HEAT TO WATER****Commercial Economizers**

The VHX is a fully packaged, lightweight round heat recovery unit with an integrated modulating bypass and hybrid microchannel/plate exchanger that delivers high heat transfer at low flow resistance for single or multiple boilers of any draft type.

**ELECTRIFIED THERMAL RECOVERY****Heat Pump Integration**

Pairs exhaust waste heat with air- or water-source heat pumps; low-grade exhaust upgraded into high-grade hydronic energy.

**TURNKEY ROOFTOP RECOVERY****Skid-Mounted Rooftop Platform**

Factory-piped, factory-wired skid — heat exchanger, pumps, dampers, fans, controls — drops in with minimal facility downtime



Draft & Flue

Fans, dampers, combustion air and special gas vent — the full draft-control package for commercial boilers, water heaters and Category I-IV appliances.

ENERVEX · MECHANICAL DRAFT

Mechanical Draft Fan Systems

Termination (RSV) and inline (TDF) fans maintain appliance draft under all firing and atmospheric conditions. Closed-loop CASV and CASI packages listed to UL 378 for draft equipment.



ENERVEX · DRAFT CONTROL

Mechanical Draft Damper Systems

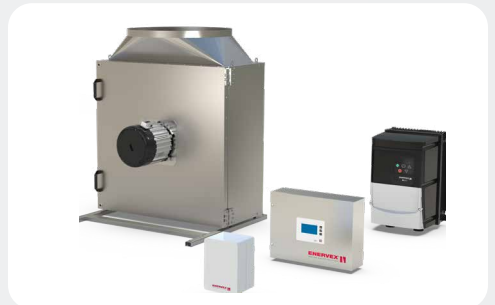
Modulating dampers (MODS & SMDS) provide closed-loop control to maintain a constant draft set-point, stop over-draft, and seal the flue during standby cycles.



ENERVEX · COMBUSTION AIR

Mechanical Combustion Air

The Mechanical Combustion Air System (MCAS) for boiler rooms and laundries utilizes a box ventilator (BEF_x) and controls to maintain neutral pressure in the room based on the appliance demand. NFPA 54 / CMC compliant.



SPECIAL GAS VENT · CAT I-IV

Boiler & Water-Heater Flue

Prefabricated single-wall or double-wall special gas vent for Category I-IV appliances. Rigid stainless steel liners for retrofitting existing metal or masonry chimneys. UL 103 / UL 1738 listed.



Commercial Exhaust

Heavy-duty venting for generator, commercial-kitchen and process exhaust — engineered, listed and prefabricated for fast field install.



HIGH-TEMP · POSITIVE PRESSURE

Generator Exhaust Systems

Factory-built positive-pressure flue for standby generators and turbines. UL 103, 1400 °F continuous operation, 60" w.c. NFPA 37 / CMX compliant.

PREFAB · UL 1978 / UL 2221

Grease & Dishwasher Duct

Circular



Round prefab grease & dishwasher duct — single-wall, air-gap or fiber-insulated. Zero-clearance includes 2-hour fire rating and reduced slope. UL 1978 / UL 2221 / CMC compliant.

Rectangular



Rectangular prefab grease & dishwasher duct - single-wall or double-wall insulated. Zero-clearance includes 2-hour fire rating and reduced slope. UL 1978 / UL 2221 / CMC compliant.

PARTICULATE CONVEYING · NFPA 652

Dust Collection & Smoke Extraction

High-static centrifugal fans paired with clamp-together or welded duct. Smooth-wall, long-radius elbows hold transport velocity for dust, fines and process byproducts.



Building Exhaust

Demand-controlled exhaust for multi-story residential and commercial buildings, plus custom specialty venting for niche process and culinary equipment.



ENERVEX · DRYER EXHAUST

Dryer Ventilation Fan Systems

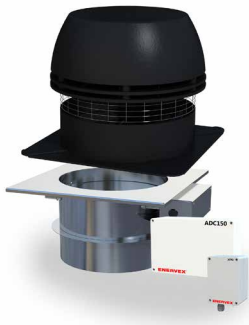
The Mechanical Dryer Ventilation System (MDVS) provides demand-controlled dryer exhaust in commercial laundry rooms. BEFx inline fans (UL 705) handle lint-laden air; clamp-together duct and inline lint filters complete the package.



MULTI-STORY DCV

Demand-Controlled Ventilation

Mixed-use exhaust for kitchen hoods, bathrooms, and dryers in multi-story residential buildings. Drops to minimum speed when nothing is running, reducing fan power consumption and conditioned-air loss.



CUSTOM PROCESS EXHAUST

Specialty Venting Systems

Engineered specialty venting for processes with unique effluent profiles — high-temperature particulate, dense steam, chemical vapor. Each system is configured from the ground up: precise metallurgy, pressure seals and draft components matched to the appliance and its operating cycle.

APPLICATIONS

Industrial coffee roasters · Hearth and deck pizza ovens · Commercial bakeries · High-heat kilns
Brewery kettle steam vents · Multi-story fireplace exhaust · Lab and process hoods

PARTNERS · BRANDS

Trusted Manufacturers

EXD represents the leading manufacturers of commercial venting, draft, exhaust and duct. Engineered together from source to termination, so the line specified is the line that gets installed.

 **ENERVEX**
VENTING DESIGN SOLUTIONS security
Chimneys duravent AMPCO heatfab VAN-PACKER[®] co. EFD
Manufacturing US
DUCT US Tubing SRM
SUBDUCT RISER MFG HART
COOLEY CFM
CONTINENTAL FAN Z-FLEX[®]
Chimney & Venting Solutions Centrotherm
solutions beyond Clean Cycle Systems
LINT FILTERS & AIR EXHAUST

CONTACT

Exhaust Design Solutions

1480 Oddstad Drive
Redwood City, California 94063

+1 650 361 9800



exdsolutions.com