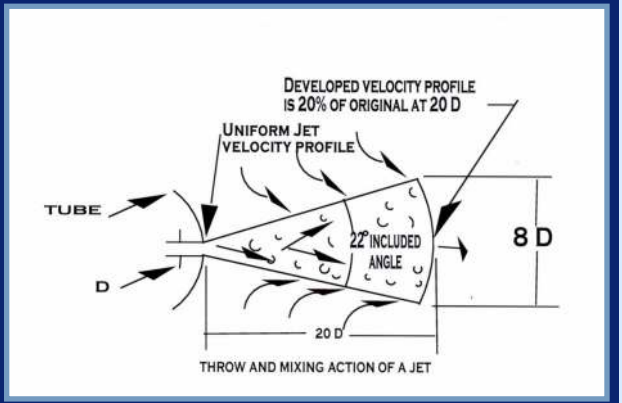
ENERGY JET U.S.

* USES STRATIFIED WASTE HEAT
* SAVES ON HEATING COSTS
* PAYBACK—ONE HEATING SEASON
* ELIMINATES NEGATIVE PRESSURE
* VENTILATES—DISTRIBUTES AIR
* IMPROVES PLANT COOLING
* MOVES EXCESS PROCESS HEAT
* EVEN AIR DISTRIBUTION

ENERGY SAVER

ENERGY JET FAN UNIT FEATURES:

- HEAVY WELDED FRAME
- 18 GAUGE HOUSING
- STEEL AND ALUMINUM PROP OPTIONS
- INLET AND MIXING DAMPER OPTIONS
- VARIOUS CONTROL OPTIONS
- VFD—FAN SPEED CONTROLS
- TEFC HI-EFFICIENCY MOTORS
- CUSTOM OPTIONS AVAILABLE
- SPACE PRESSURE CONTROLS AND
- MIXED TEMPERATURE CONTROLS
- WEATHER INLET HOOD WALL OR ROOF
- FILTER SECTIONS
- EVAPORATIVE COOLING
- MECHANICAL COOLING
- STEAM HUMIDIFICATION



Technology at work for you

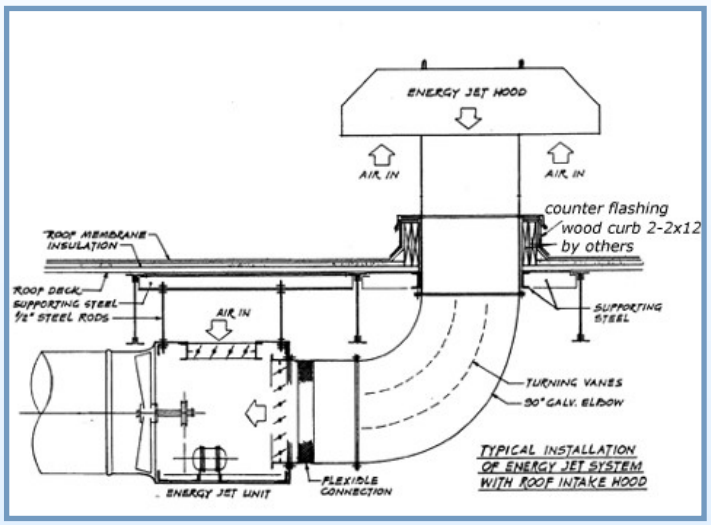
WHY BURN ENERGY TO TEMPER YOUR MAKE UP AIR?

"Heat Moving"

Energy Jet polyduct distribution can be designed for any length up to 500 feet. Many plants have large quantities of process heat build up. Use Energy Jet to move this wasted heat to other areas of the plant.

"Summer Cooling"

Industrial plants lose employees and find a decrease in productivity due to high temperatures. It is common to find temperatures over 100F present in a standard processing plant. Energy Jet helps.



BUILDING ENVIRONMENTAL SOLUTIONS

The Energy Jet brings in fresh air and distributes it evenly at ceiling level. Instead of cold air rushing in at floor level, the Energy Jet mixes with the wasted stratified heat, where personnel cannot feel the draft. With a fired make up air system, heating costs skyrocket. However, in most cases with Energy Jet, energy costs do not increase. In fact, it is likely that your customer will realize a decrease in fuel bills.

Energy Jet decreases a buildings heat loss. First, by eliminating the air that comes in through cracks in walls and open doors. Second, by decreasing the ceiling temperature, less heat is lost through the roof. Instead of having 85-105F temperatures at the ceiling you now have equal temperatures throughout the entire building.

- Uses waste heat near the ceiling
- Eliminates uneven temperatures in large spaces
- Controls building negative pressure and drafts
- Get the cool air to the working level where it is needed
- Polyduct systems save material and installation cost

CUSTOM SOLUTIONS

Each Energy Jet fabric duct system is custom fabricated to fit the exact design of your facility. Factors taken into consideration include: air performance volume and velocity and temperature.

CLIMATE SOLUTIONS

Working with our customers to survey, design and supply the best solutions, we walk you through the various options and weigh the cost/benefit and return on investment factors.

BUSINESS SOLUTIONS

We provide options and recommend the solution that we would use, just as if it were our own facility. Spending too much on a system is unwise, but it is also unwise to spend too little and not solving the problem.

ENERGY JET—POLYETHYLENE FABRIC DUCT SPECIFICATIONS

Construction: Heavy Duty Polyethylene Fabric 13 x 11 weave (ends/inch)

Flame Retardant: Flamtard® Coating on two Sides = 1.5 mil

Total Thickness (including coating) = 9.5 mil

	IMPERIAL
Total Fabric Weight	4.6 oz/sq.yd.
Tensile Grab Strength	190 lbs/in
(ASTM D-1682)	160 lbs/in
Mullen Burst Strength	360 psi
(ASJM D-3786)	
Trapezoidal Tear	45 lbs
(CGSB Std. Method 12.2)	35 lbs

Color: Standard – Opaque (Natural)
Optional – Blue, Green, Gray (more)

Temperature: Designed Temperature: 160F Continuous
Note: Polyester Temp: 350F Continuous

Flammability:

Meet self-extinguishing requirements of:
UL181 and NFPA 90/A90B
Specification CPAI-84 for Floors and Walls
CGSB standard 4-GP-2 Method 27.1
NFPA No 701 Small & Large Scale Tests

WHY USE ENERGY JET?

To permit exhaust systems to operate properly all year through.

To prevent back-venting through gravity chimneys and avoid harmful products of combustion which may enter your facility.

To eliminate cold drafts due to infiltration through doors & windows.

To provide even distribution of climate controlled air.

To improve energy efficiency: both gas and electric.

Energy Jet eliminates the temperature differential. This improves comfort throughout your whole facility.

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