



“EQUIPPED TO MEET YOUR NEEDS”

RECOV-AIRE

Heat Recovery Systems for Swine

Improve Your Air Quality While Dramatically Reducing Your Heating Costs



An example of potential heat Savings Is calculated as follows:

$BTU = HEAT RISE \times 1.1 \times CFM$

Exhaust temperature 82 degrees F

Outside temperature 32 degrees F

Incoming air temperature after exchange = 54 degrees F
(22 degrees RISE)

$BTU = 22 \times 1.1 \times 2000 CFM$
(14" INTAKE FAN) = 55,000 BTU

1 litre of propane= 24200 BTU
@ an estimated \$0.45/litre

Therefore the savings in fuel would be
 $2 \text{ l/hr} = .90/\text{Hr} \times 24 \text{ HR} = \$21.90/\text{Day}$



The Recov-aire's large heat exchanger core transfers a large percent of wasted exhausted heat (50% or more depending on temperature difference) to pre-heated incoming air.

The results are dramatic!! Air quality and humidity control is vastly improved. That is because for every 10 degrees celsius rise in the incoming air temperature the moisture holding capacity is doubled. Also, minimum ventilation is easier to control because the "pre-heated" incoming air is fan powered in.

The Recov-aire's unique designed "tube type" heat exchange core stays cleaner longer than "plate type" exchangers, meaning less maintenance.

There are different models to suit your requirements. Most are designed to sit on a base for exhausting directly from the pit and come in various CFM ranges. For recommendations, please give us a call.

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