



# EV *Heat Recovery*<sup>TM</sup>

Significant energy savings for your paper machine

**Paper machines need a large amount of energy to operate. Growing demands concerning energy efficiency from an environmental point of view might convince you that your paper machine needs updating.**



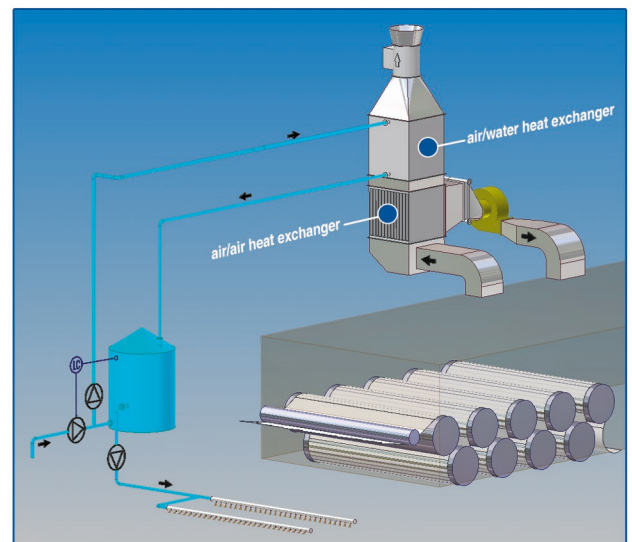
Paper drying takes more than 70 % of all the energy that is needed to run a paper machine. PM drying section requires 1.5 - 1.8 tons of steam per ton of paper produced. Therefore energy costs of a paper machine are high.

EV Heat Recovery<sup>TM</sup> is a very efficient system to modernize a paper machine; EV Heat Recovery<sup>TM</sup> reuses heat to replace primary energy sources, therefore it cuts down energy costs radically.

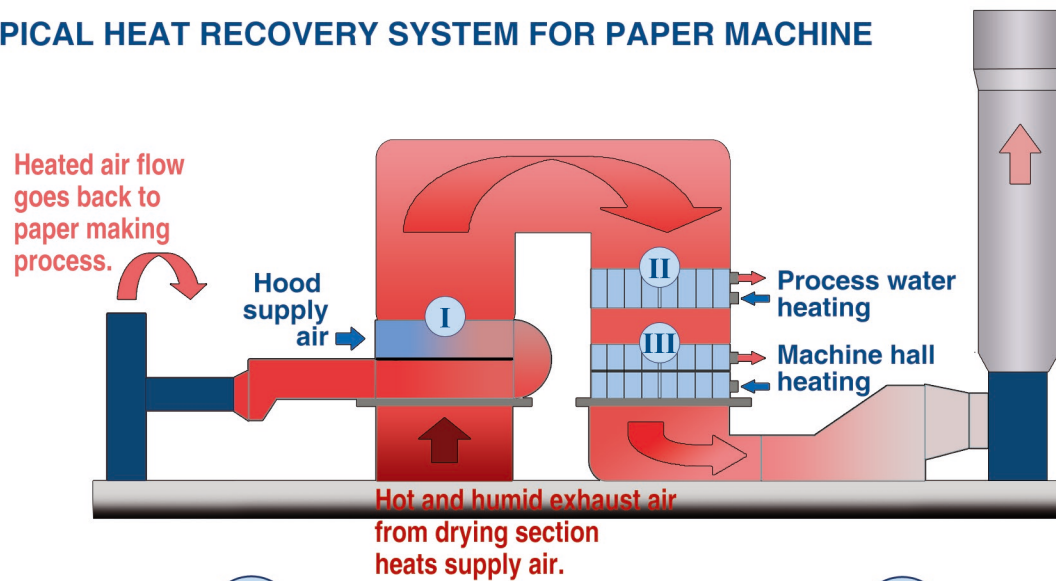
EV Heat Recovery<sup>TM</sup> technology recovers drying section heat energy and takes it back to production. The exhaust air from the drying section is processed through air/air or air/water heat exchangers, that are manufactured with a high quality. Investment in heat recovery usually has a short payback time.

EV Heat Recovery<sup>TM</sup> will be tailor-made to the requirements of your paper machine. Your existing heat recovery system can be made much more effective and profitable.

EV Group offers you durable heat recovery solutions that improve your PM energy efficiency considerably.



## TYPICAL HEAT RECOVERY SYSTEM FOR PAPER MACHINE



### I 1st stage of heat recovery:

#### Air to air heat exchanger

- supply air preheating
- no contact with exhaust air and supply air
- very useful in all kinds of paper machines

### II 2nd stage of heat recovery:

#### Air to water heat exchanger

- process water heating
- decreased energy costs to heat water
- hood exhaust energy is enough to heat process water, no steam required

### III 3rd stage of heat recovery:

Air to air or/and air to water heat exchangers for machine hall heating

## ARE YOU AWARE OF THE WATER HEATING COSTS OF YOUR PAPER MACHINE?

Look from the scale below how economical is the water heating of your paper machine.

### ECONOMICAL SAVINGS OF WATER HEATING

