



INVESTING IN THE FUTURE. SAVING COSTS. SAVING ENERGY.

# IT'S OUR PLEASURE TO ANNOUNCE OUR NEWEST EQUIPMENT RELEASE, **THE RGL UNIT.**

Designed primarily for indoor use when the design requirements call for the exhaust and supply air ducts to be located on the same end. This streamlined design reduces complex ducting requirements resulting in a more compact installation. The RGL has a smaller footprint and a unique switchover damper design. It can be sized for 550 CFM up to 22,000 CFM.

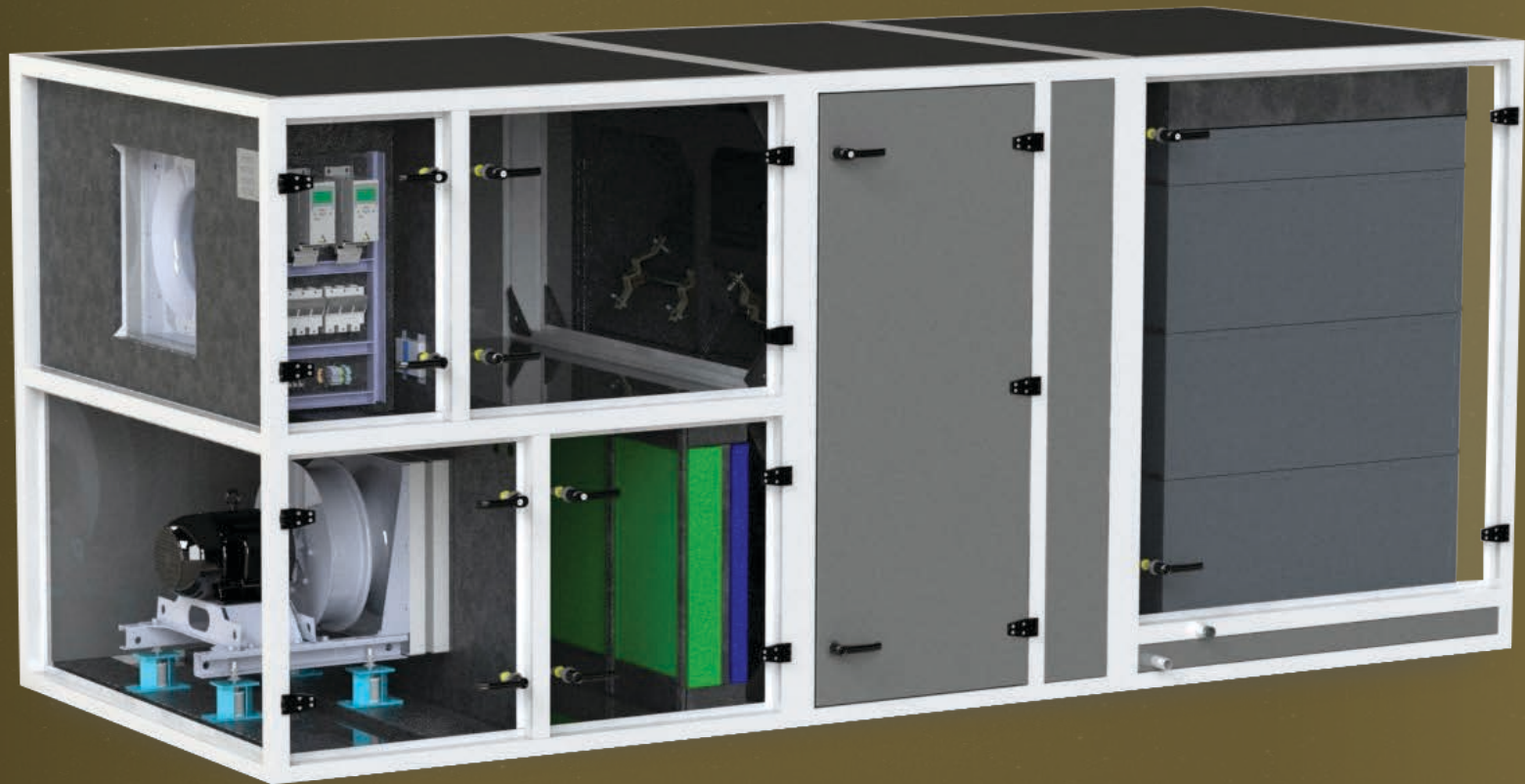
Recovering the most energy possible... Promoting a culture that respects the environment, and protects the health and future for everyone. This is at the heart of what drives us to constantly evolve.

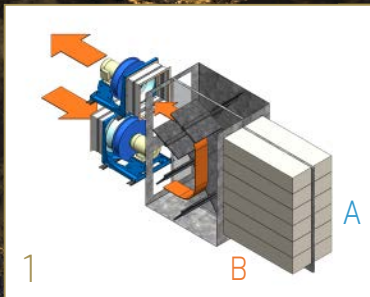




TEMPEFF

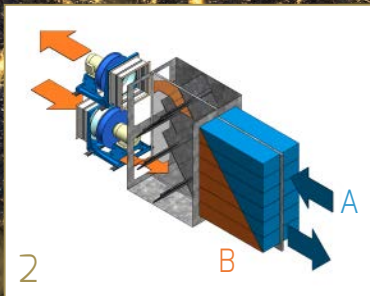
RGL 5500 TYPE 1





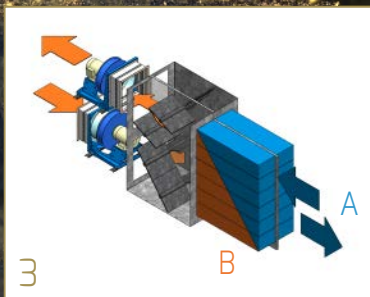
## RECIRCULATION MODE

In off peak or unoccupied mode, the energy cores can be bypassed so that 100% re-circulated air can be used to heat or cool the building through auxiliary heating or cooling devices. External shut-off dampers recommended for this option.



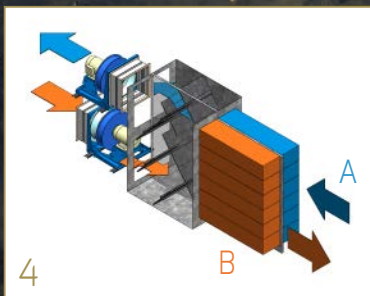
## RECOVERY PHASE 1

When energy recovery is called for, the dampers position so that Energy Core A will add energy to the supply air stream, heating up the air. Simultaneously Energy Core B is absorbing energy from the exhaust air stream.



## RECOVERY PHASE 2

After 60 seconds, the dampers reposition. Now Energy Core B is adding the energy it reclaimed in Phase 1 to the supply air stream, heating it up. Simultaneously Energy Core A is "recharging" by absorbing energy from the exhaust air stream. Phase 1 and 2 will alternate every 60 seconds, constantly delivering extremely high energy recovery regardless of outdoor air temperatures. Because the cores switch cycles every 60 seconds, frost does not have a chance to build up, thus energy recovery is constant day in and day out, unlike other traditional types of energy recovery devices.



## FREE COOLING

If exhaust air and supply air are above set point, unit will revert to Free Cooling Mode. No energy recovery is taking place. Damper will switch every 3 hours to clean core faces.