

Replacement Rotors for:

- *Hospitals*
- *Schools*
- *Laboratories*
- *Office Buildings*

TYPICAL PROJECT STEPS

1. **Contact** NovelAire.
2. **Site visit** -Absent detailed drawings, a site visit may be necessary to obtain detailed measurements.
3. **Custom manufacture of rotor** - The rotor is manufactured to specification and fully assembled in NovelAire's plant to ensure proper fit.
4. **Shipment to job site** - The rotor is broken down into segments and crated for shipment to the site.
5. **Installation** - NovelAire's service technicians will rebuild the rotor in place and replace or recondition the seals and/or drive train if required.
6. **Warranty** - NovelAire offers a 1 year limited warranty on the rotor. Contact NovelAire for details.

NOVELAIRE TECHNOLOGIES

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ENERGY RECOVERY AND DEHUMIDIFICATION ROTORS

REPAIR AND REPLACEMENT SERVICE

**NOVELAIRE
TECHNOLOGIES**
“Creating the Great Indoors”



REPAIR OR REPLACEMENT SERVICE

NovelAire Technologies is a leading manufacturer of energy conservation and desiccant dehumidification rotors for the HVAC industry. In addition to providing standard sized rotors and cassettes to the OEM industry, NovelAire will custom manufacture rotors to match most existing cassettes and provide the installation supervision and labor necessary to provide a complete rotor repair or replacement turnkey project.

Typically, damaged or worn out energy recovery rotors are buried within the air-handling unit where access is limited. It may be impractical to replace the entire cassette and the only solution is to replace the rotor in place while using the existing cassette structure.

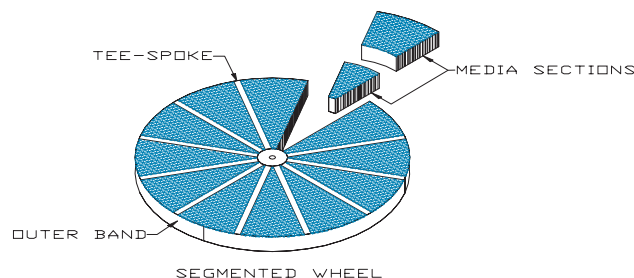
NovelAire Technologies will custom manufacture a segmented rotor to the required dimensions, build the complete rotor in its shop to ensure fit, break the rotor down and crate it for shipment, and provide the supervision and labor to rebuild the rotor in place.

A typical job starts with the installation of a hub, shaft and bearing assembly onto the existing frame support structure. Spokes are then attached to the hub and the media

segments are installed and locked into place. A sectioned outer band is attached to the spokes to tie the media sections and the entire structure together. If required, seals are replaced, and the drive train is reconditioned or replaced.

- *Replace damaged or worn out rotors with NovelAire's state-of-the-art rotor technology.*
- *Replacement for most rotor manufacturers' products.*
- *Sizes up to 12 feet in diameter are available.*
- *Turnkey projects.*
- *Limited 1 year warranty.*

SEGMENTED CONSTRUCTION



NOVELAIRE REPLACEMENT ROTORS

ECW - total energy recovery wheel. Recovers both sensible and latent energy.

SEW - sensible energy wheel. Recovers sensible energy only.

WSG - silica gel desiccant wheel. Used as a regenerative wheel in dehumidification applications.

NOVELAIRE MEDIA

- Synthetic wheel media is completely corrosion resistant.
- Desiccant is permanently bound in homogenous media and will not delaminate.
- Media segments are stronger and more durable than aluminum.

CONTACT NOVELAIRE

Contact NovelAire for an estimate to replace or repair a damaged rotor. A site visit is typically required to accurately survey the job.

CALL 225-924-0427