All Wheels Recover Energy
Some Do it Better...

DRI ECO-FRESH™
Energy Recovery Wheels

MS 200 SERIES

www.drirotors.com
Think Afresh . . . with MS 200 series!!

High Selectivity:
EcoFresh Energy Recovery Wheels MS 200 series use Molecular Sieve 3Å (EcoSorb 300) desiccant coated on aluminum substrate and this results in high latent recovery and control on cross contamination.

Aluminum Substrate:
The aluminum substrate eliminates any fire risks and results in high sensible recovery and high structural strength.

In-built Purge Sector Eliminates Cross Contamination:
Purge section provides strict separation of air flows, preventing carryover of bacteria, dust and pollutants from exhaust air to supply air. Purge section and sealing system limit cross contamination to 0.04% of the exhaust air concentration by volume.

Non Contact Labyrinth Seal:
- No wear and tear.
- Effective sealing.
- Long life.
- Brush seal for wheels up to 2200mm.

Structural Rigidity, Hardened Edges & Innovative Manufacturing Design:
- State-of-the-art winding technology and adhesives EcoFresh give rotors high structural strength.
- Wheel Edges hardened as standard to suit marine coastal application needs.

Highly Polished Surface:
Vertical run out less than 1 mm per 1000 mm resulting in extremely low leakage across the central divider seals.

Robust Spoke Structure.

Highest Recovery Efficiency Ratio (RER) In The Industry:
- High Desiccant loading / coating.
- Nearly equal sensible and latent recovery, thus comparatively higher total enthalpy recovery.
- Higher performance, lower pressure drops.
- Laminar airflow due to thin aluminum substrate & uniform desiccant coating.
- Superior airflow characteristics.

Wide Range & Additional Options:
- Total Energy Recovery Wheels (Enthalpy) & AHR Certified sensible wheels.
- Customized flute height and Rotors depth options.
- Cassette as well as Rotor options.
- Standard and Customized options.
- 500 mm to 5000 mm (dia.)
- Easy retrofit options.

Segmented And Non Segmented Options.

Benefits of . . . Beyond Payback
Better - Humidity Control + Heat / Energy Recovery Heat Exchanger Wheel
Thus, better and enhanced IAQ at lower Energy costs
- Pre-conditions incoming fresh air.
- Easily integrated/adopted into new/existing ventilation systems.
- Delivers fresh air throughout the year at conditions very near inside conditions.
- Helps to meet ventilation standard without raising energy cost.
- Maintains humidity conditions at no additional cost.
- Allows reduction in system capacity by 30% to 65%.

EcoFresh Wheels have played a major role in many projects for achieving sustainable Green Building status with LEED and other energy certifications.

GBC Memberships

Worldwide Presence

DRI has its Airgineers spread out world over:
- India
- Japan
- UAE
- Malaysia
- USA
- Bangladesh
- Vietnam
- Philippines
- Canada
- Brazil
- Switzerland
- China
- Nigeria
### HEAT RECOVERY WHEELS - Performance Data

**HRW SERIES (MS-200-1.9mm)**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model</th>
<th>Weight (lbs)</th>
<th>Height (inches)</th>
<th>Depth (inches)</th>
<th>Pressure Drop (Pa)</th>
<th>Air Volume (CFM)</th>
<th>CFM/hr</th>
<th>Efficiency in %</th>
<th>Efficiency at 100% FPM</th>
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**Note:**
1. Performance data shown up to 95% efficiency. HRW-5000 (MS-200) is also available in Half-moon segmented media for specific applications.
2. (2) 2400mm diameter and above rotor are available with removable segmented media. Half-moon cassettes complete with half-moon rotors for convenience and ease of shipping are available as options. Dimensions and weight shall vary in such cases.
3. (Because of our policy of continuous product improvements, specifications are subject to change without notice.)

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**DRI (INDIA)**  
100-301, Udyog Vihar, Phase-IV,  
Gurgaon 122002, INDIA  
Tel.: +91-124-4388888  
Fax: +91-124-4388905  
E-mail: drikorea@hannmail.net  
Web: www.drirotors.com

**DRI (KOREA)**  
307-539 Yeondam-eup joehyo-ri  
Saseong-gu, Busan, Korea  
Tel.: +82-5-6579-1648  
E-mail: mgclark@driamerica.com  
Web: www.drirotors.com

**DRI (USA)**  
8175 Rio Grande Blvd. NW  
Los Lunas, NM 87131, USA  
Phone: +1-505-663-2797  
E-mail: mgclark@driamerica.com  
Web: www.drirotors.com

**DRI (UAE)**  
Baniyas Industrial Area,  
P.O. Box No. 12067,  
Dubai, U.A.E.  
Phone: +971-4-336-0031  
E-mail: mgclark@driamerica.com  
Web: www.drirotors.com

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**Malaysia**  
+60-3-27725919  
info@bryair.com.my  
www.bryair.com.my

**Indonesia**  
+62-21-79199023  
indomark@bryair.com.my  
www.bryair.com.my

**Vietnam**  
+84-8-36994948  
vietmarketing@bryair.com.my  
www.bryair.com/indonesia

**China**  
+86-10-63097071  
mk@bryair.com.cn  
www.bryair.com.cn

**Canada**  
+1-416-292-3884  
mk@bryair.com.ca  
www.bryair.com/philippines

**South Korea**  
+82-10-8635-0851  
(SeonReungro 69th street 20)  
Tel.: +82-10-8635-0851  
E-mail: mgclark@driamerica.com  
Web: www.drirotors.com

**Brazil**  
+55-11-3644-0484  
E-mail: mgclark@driamerica.com  
Web: www.drirotors.com

**Switzerland**  
+41-21-4084690  
mk@bryair.com.cn  
www.bryair.com.cn

**Australia**  
+61-3-9650-1300  
mk@bryair.com.cn  
www.bryair.com.cn

**Nigeria**  
+234-239-0777677  
mk@bryair.com.cn  
www.bryair.com.cn