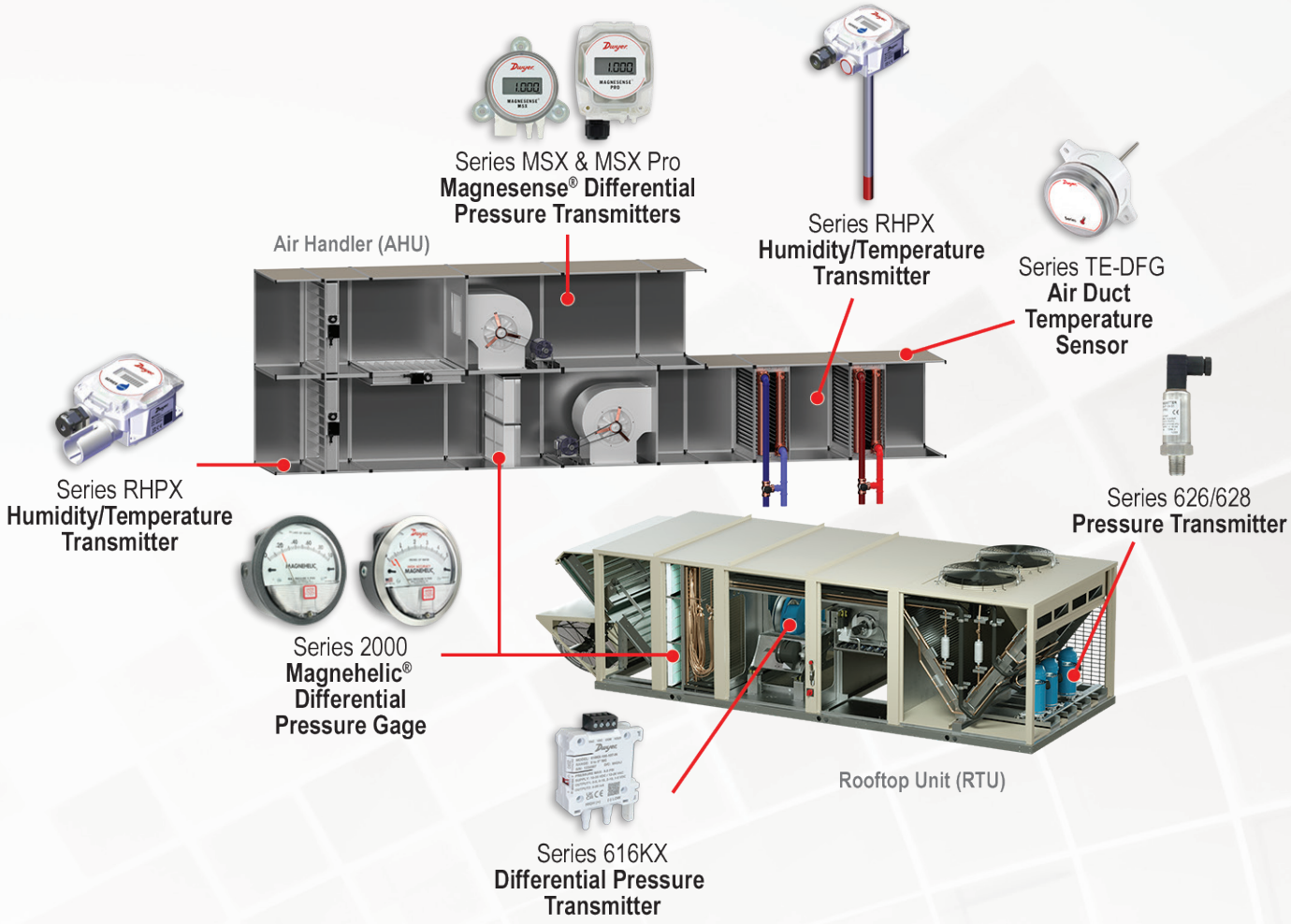
Dwyer
a DwyerOmega brand

APPLICATION | AIR HANDLERS AND ROOFTOP UNITS



MAINTAIN INDOOR AIR QUALITY AND COMFORT

Air handler units (AHUs) work in conjunction with building management systems (BMS) in our everyday lives. They are present in nearly every public space; no matter if you are going into the office, sending your children to school, or attending a basketball game, AHUs regulate the air within the building. They are one of the key ways to maintain indoor air quality by injecting clean, fresh air and controlling human comfort levels when it comes to temperature and humidity. Sensors and transmitters within them ensure regulated air quality, alert to maintenance requirements, and optimize energy efficiency.



TYPICAL INSTRUMENTATION FOR AIR HANDLER UNITS

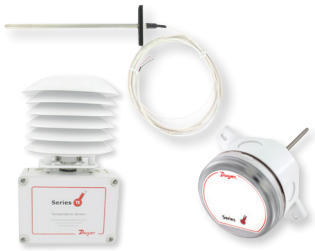
Dwyer designs are engineered and built to ensure all AHU applications are running smoothly and efficiently. Our designs provide application solutions for temperature, humidity, air velocity and pressure needed for the fan, blower, the heating and cooling elements, filters, humidifiers, and mixing box.



DIFFERENTIAL PRESSURE TRANSMITTERS | SERIES 616KX AND SERIES MSX PRO MAGNESENSE®

High accuracy | Easy installation | Compact sizing | Wide product selection

- Sends an analog signal that can be integrated into building management systems (BMS)
- Ensures proper differential pressure is maintained
- Square designs more readily fit into AHU enclosures
- Measures and transmits velocity pressure at fan to determine air volume produced to maintain comfort levels



OUTDOOR, DUCT, AND IMMERSION TEMPERATURE SENSORS SERIES TE

Flexible setup | Low cost | Easy installation | Indoor or outdoor enclosures

- Measures temperature in ventilation systems, condensers, and outdoor environments
- Ensures optimal comfort and energy savings
- Array of thermistor or RTD temperature sensors to fit application



MAGNEHELIC® DIFFERENTIAL PRESSURE GAGE | SERIES 2000

No power required | Low cost | Easy to read | Long service life

- Allows for quick visual status check of pressure across filters for maintenance requirements
- Indicates filter replacement or damper blockages and malfunctions
- Durable and rugged housing with high-quality components provide long service life



TEMPERATURE AND HUMIDITY TRANSMITTERS | SERIES RHPX

Durable | Low cost | Selectable accuracies | OSA, room, or duct units

- Monitors air humidity in ventilation systems and outdoor environments
- Ensures optimal comfort and energy savings
- Helps maintain proper humidity levels preventing unwanted mold growth



DIFFERENTIAL PRESSURE SWITCHES | SERIES ADPS/EDPS

Minimal components | Easy installation | Low cost

- Monitors pressure, vacuum, and differential pressure
- Indicates filter replacement or damper blockages and malfunctions
- Relay contact allows simple integration with programmable logic controller (PLC) or building management system (BMS)
- Adjustment knob changes switching pressure easily without a pressure gage

For more information, contact us:
dwyeromega.com

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Printed in U.S.A. 3/23