

# TIREMAAX®

Automatic Tire Pressure Control Systems



- Enhance tire life
- Reduce maintenance
- Conserve fuel
- Trim labor costs



\* Contact Hendrickson for complete warranty terms, conditions and limitations.

\*\* Contact Hendrickson Technical Services before conducting wheel-end service or repairs.

To learn more about TIREMAAX, call 866.743.3247  
or visit [www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**HENDRICKSON**  
*The World Rides On Us®*

## Takes The Pressure Off You

TIREMAAX® automatic tire pressure control systems are an available option on all Hendrickson trailer suspension and axle systems. The TIREMAAX systems provide a basic, responsive approach to help extend tire life and increase fuel efficiency. These patented systems draw from the trailer air supply to keep the trailer tires properly inflated and rolling smoothly.

One of the most significant maintenance issues facing the industry today is the problem of improper tire inflation. Studies show that improperly inflated tires can greatly reduce fuel economy and decrease tire life. Incorrect tire inflation may also lead to compromised braking, poor handling and reduced stability.

TIREMAAX delivers a reliable, durable approach for maintaining proper inflation levels. The system monitors pressure in all tires and directs air to one or more tires when they dip below the pre-set level.

TIREMAAX can pay for itself in a year or less with savings from increased fuel mileage, reduced tire maintenance and replacement costs and prevention of tire failure leading to downtime and costly road service.



- **Tires can lose up to 2 psi of air per month by diffusion through the inner liner and casing.**  
- American Trucking Associations Technology and Maintenance Council (TMC)
- **An automatic tire inflation system can extend tire life by eight percent or more.**  
- U.S. Environmental Protection Agency

## TIREMAAX System Features Premium, High-Performance Components

- Internal axle hoses and a patented ventilation system help prevent wheel-end contamination without pressurizing the axle
- Axle hoses are manufactured with braided stainless steel providing outstanding durability
- Fittings, as well as leak points, have been eliminated by incorporating air passages into the hubcap — no protruding fittings also means no potential damage to such components if a tire change is required

### Ventless Hub Cap

- Helps eliminate contaminant pathway

### Patented Axle Filter

- Protects wheel-end from contaminants

### Non-pressurized Axle

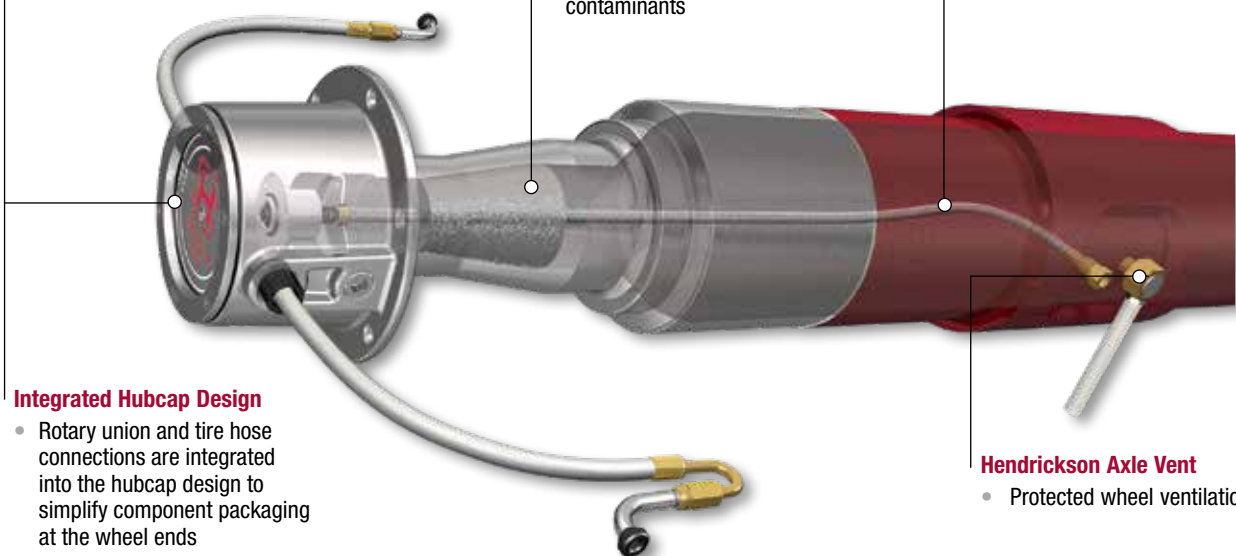
- Utilizes internal axle hoses

### Integrated Hubcap Design

- Rotary union and tire hose connections are integrated into the hubcap design to simplify component packaging at the wheel ends

### Hendrickson Axle Vent

- Protected wheel ventilation path



## TIREMAAX® PRO / PRO-LB System

**Advanced automatic tire pressure control system that provides constant pressure with active inflation, relieving and equalizing.**

**TIREMAAX PRO** — a revolutionary product for automatic inflation and precise maintenance of trailer tire pressure. In addition to automatic inflation, TIREMAAX PRO responds to changes in outside temperature by relieving air from tires when necessary.

### **TIREMAAX PRO constantly monitors and adjusts tire pressure**

- The system automatically inflates tires using the trailer air supply
- TIREMAAX PRO prevents over inflation by relieving air from the tires back through the controller
- The patented controller is specifically designed to recognize normal pressure increases due to operation

### **TIREMAAX PRO equalizes the pressure at every tire**

- By keeping pressures balanced, scrubbing between dual tires can be greatly reduced and tire life improved
- TIREMAAX PRO constantly pressurizes and equalizes tires

### **TIREMAAX PRO-LB adjusts for under and overinflated conditions, inconsistent pressures between mismatched duals and changes in trailer load**

- Optimizes tire pressure across all loading conditions to help prevent irregular wear and maximize uptime
- Helps improve trailer handling and tread wear when lightly loaded
- Tailored for carriers that seldom gross-out and / or travel many empty miles



## TIREMAAX CP System

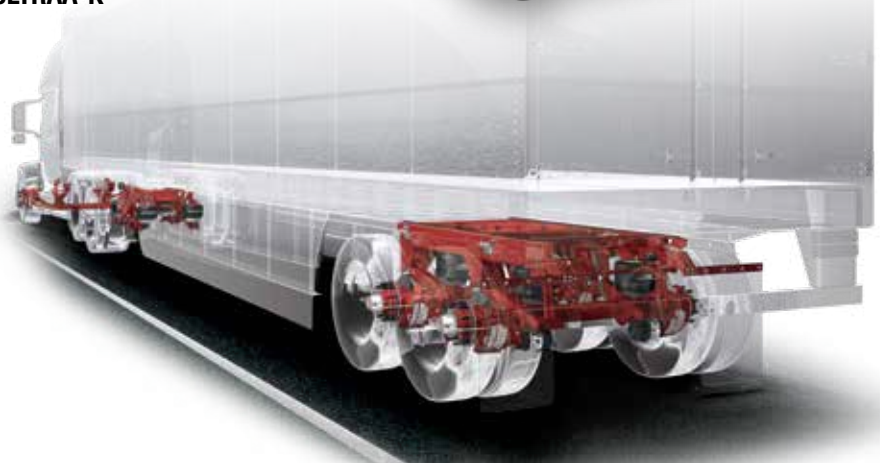
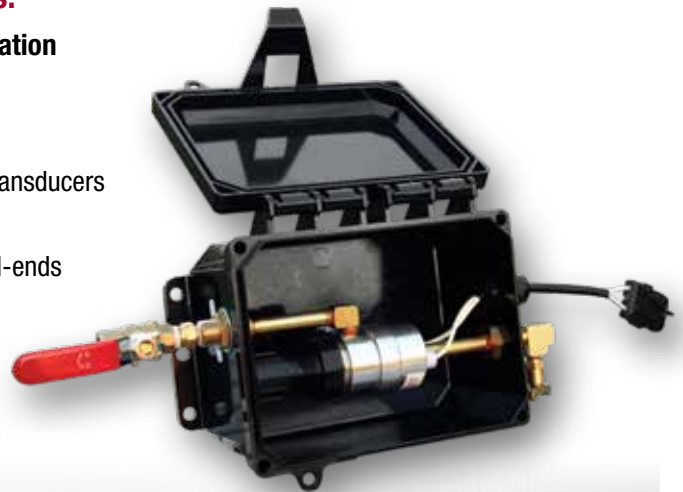
**A simple solution to your trailer tire pressure dilemmas.**

**TIREMAAX CP** delivers all of the benefits of an automatic tire inflation system in a straightforward, basic configuration.

### **CP features:**

- A simple mechanical design — no pressure switches, electronics or transducers
- Factory pre-set to your target inflation pressure setting
- Continually checks tire pressure without pressurizing the axle or wheel-ends
- A signal light activates when attention is required
- Requires no special tools to reset target pressure in the field

**TIREMAAX PRO and CP** may be combined with an extensive array of Hendrickson approved wheel-end configurations on any Hendrickson INTRAAX®, VANTRAAX® and ULTRAAX-K® suspensions or TRLAXLE® trailer axle systems.



### TIREMAAX system can pay for itself and more

According to industry sources, proper tire inflation can yield savings in the three greatest expense areas for fleets and owner operators — labor, fuel and tires. Can you afford not to take advantage of the potential savings that TIREMAAX provides?

#### Labor savings

- Help save labor costs by reducing the need for frequent trailer tire pressure checks, which can take up to 15 minutes per trailer

#### Fuel savings

- Fuel consumption can decrease by eliminating excess rolling resistance from under inflated tires

#### Extended tire life

- Proper inflation helps maintain a tire's correct footprint for even wear and prevention of premature fatigue of the steel cords
- Tire-related costs often represent the single largest maintenance cost item for commercial vehicles

#### Increased up time

- Properly inflated tires reduce the likelihood of flats, breakdowns and tire debris
- Proper tire inflation can reduce road calls by up to 80 percent per tractor-trailer combination

**The average fleet loses at least \$750 each year per tractor-trailer due to under inflated tires.**

American Trucking Associations Technology and Maintenance Council (TMC)



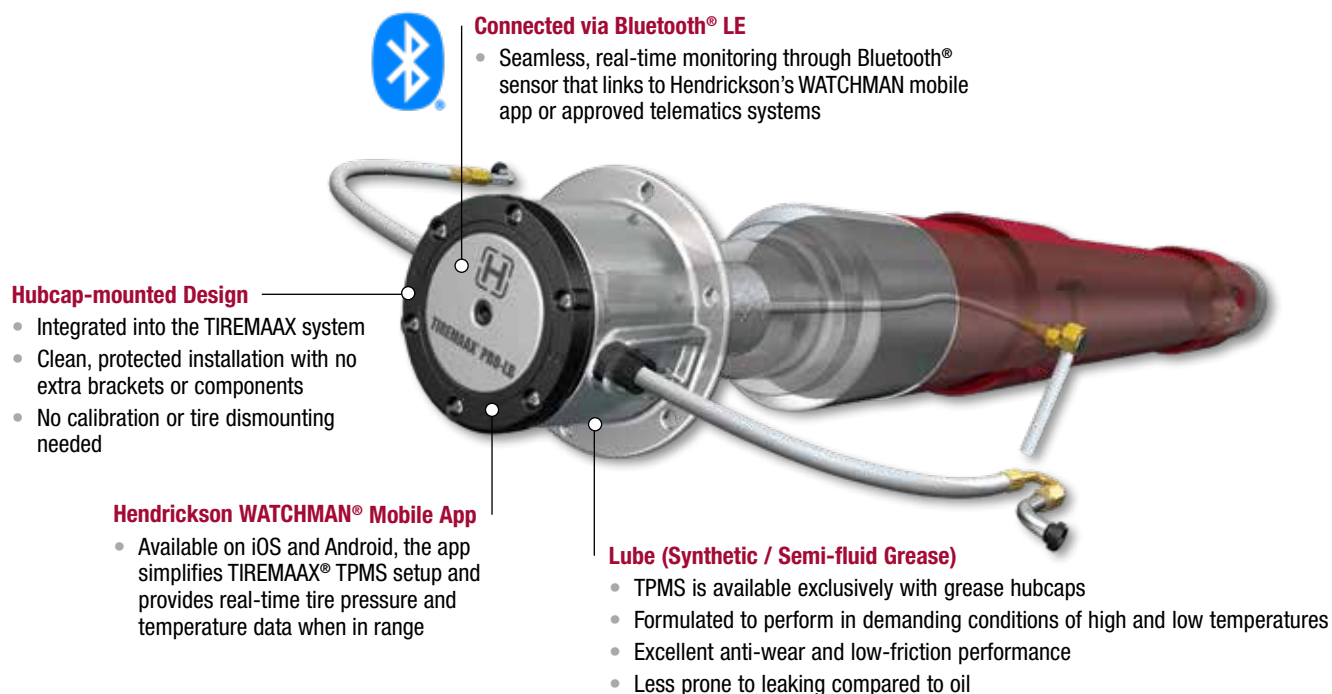
**Scan to try TIREMAAX  
PRO ROI Calculator**



### Tire Pressure Monitoring System

Hendrickson makes smart monitoring simple with the TPMS option, available on TIREMAAX PRO and PRO-LB systems. This advanced option is seamlessly integrated into the TIREMAAX system with a hubcap-mounted wireless Bluetooth sensor that continuously tracks tire pressure and wheel-end temperature helping to reduce downtime. Real-time data is accessible through the Hendrickson WATCHMAN mobile app or approved vehicle telematics systems.

**Note:** Telematic systems are not provided by Hendrickson.



### Download the Hendrickson WATCHMAN App

Scan the QR code to download the WATCHMAN App and connect with your TIREMAAX TPMS-equipped trailer for instant visibility into tire pressure and temperature.

Available for both iOS and Android devices.



Scan to download  
the WATCHMAN App





*These products are covered by at least one or more U.S. and / or foreign patents and / or pending U.S. and / or foreign patent applications. See Hendrickson for details.*

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.*

*All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.*

**Call Hendrickson at 866.RIDEAIR (743.3247) for additional information.**



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)     

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