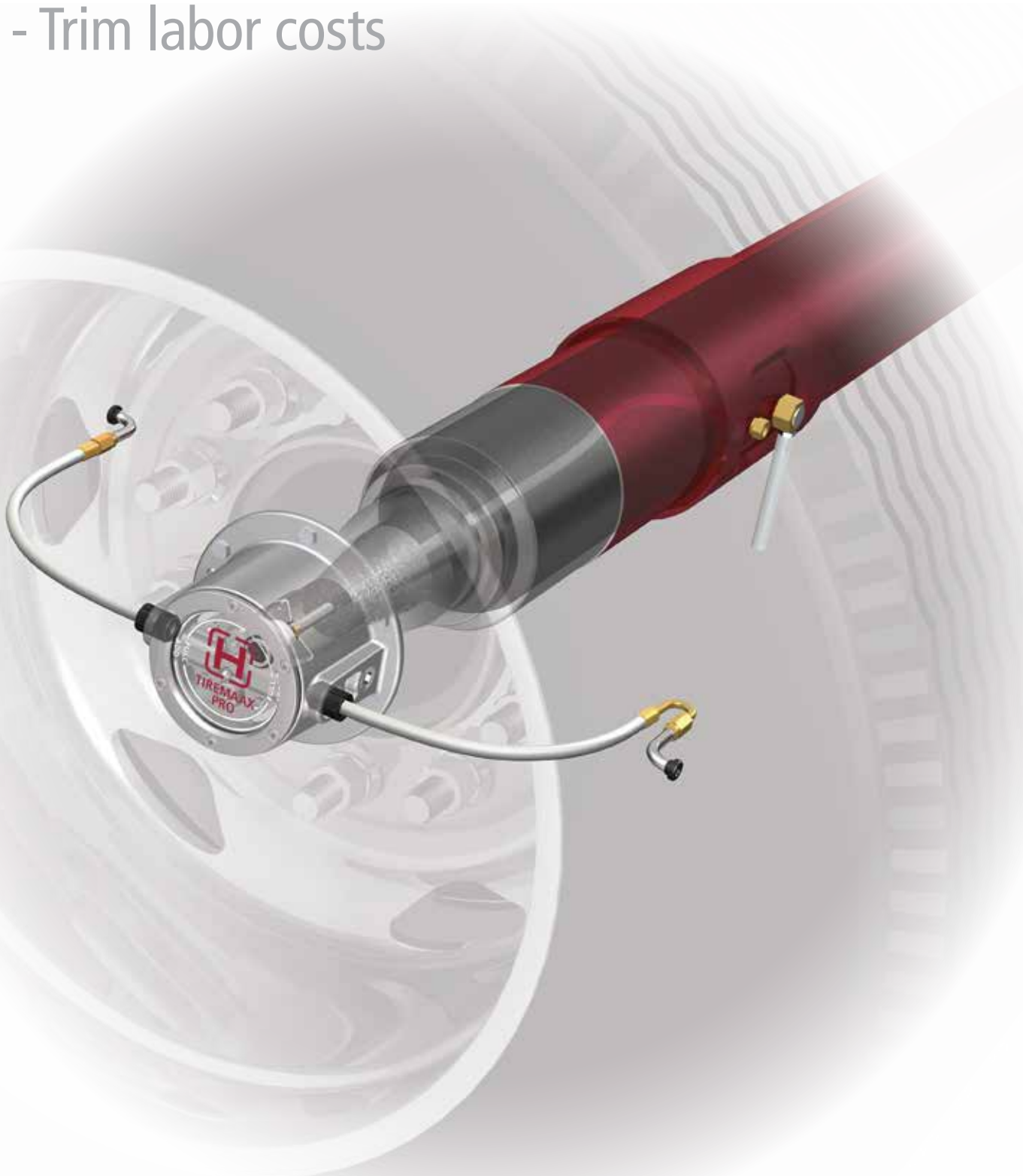




# TIREMAAX<sup>®</sup>

Automatic Trailer Tyre Pressure Control Systems

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



To learn more about TIREMAAX,  
call Hendrickson or visit our global  
websites for additional information.

 **HENDRICKSON**

*The World Rides On Us<sup>®</sup>*

## Takes The Pressure Off You

TIREMAAX<sup>®</sup> automatic tyre inflation systems provide a basic, responsive approach to help extend tyre life and increase fuel efficiency. These patented systems draw from the trailer air supply to keep the trailer tyres properly inflated and rolling smoothly.

One of the most significant maintenance issues facing the industry today is the problem of improper tyre inflation. Studies show that improperly inflated tyres can greatly reduce fuel economy and decrease tyre life. Incorrect 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 tyres and directs air to one or more tyres 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 tyre maintenance and replacement costs and prevention of tyre failure leading to downtime and costly road service.



- Tyres can lose up to 2 psi (.14 bar) of air a month by diffusion through the inner liner and casing.  
- American Trucking Associations Technology and Maintenance Council (TMC)
- An automatic tyre inflation system can extend tyre 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 pressurising 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 tyre change is required

### Ventless Hub Cap

- Helps eliminate contaminant pathway

### Patented Axle Filter

- Protects wheel-end from contaminants

### Non-pressurised Axle

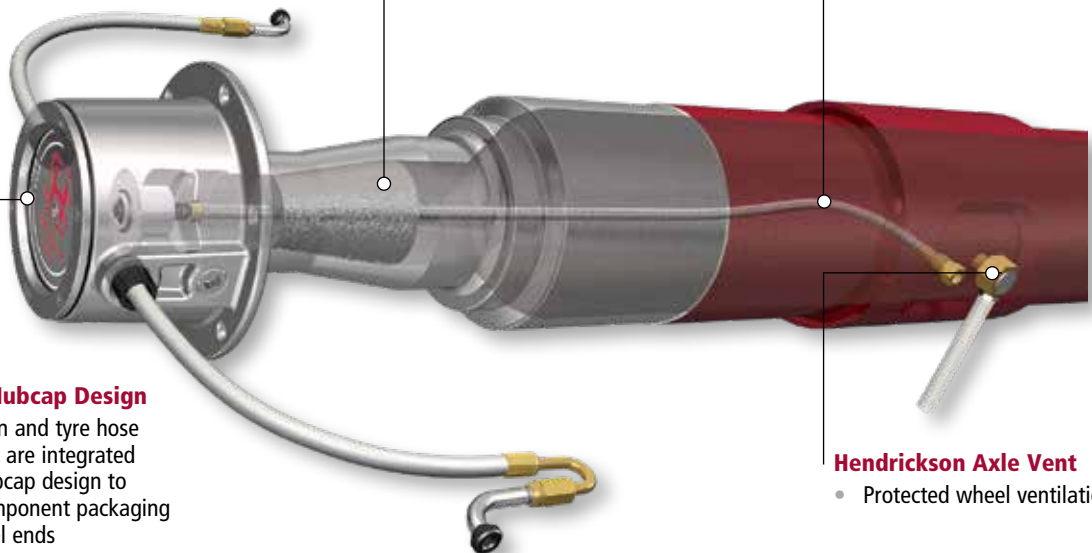
- Utilises internal axle hoses

### Integrated Hubcap Design

- Rotary union and tyre 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 System

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

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

### TIREMAAX PRO constantly monitors and adjusts tyre pressure

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

### TIREMAAX PRO equalises the pressure at every tyre

- By keeping pressures balanced, scrubbing between dual tyres can be greatly reduced and tyre life improved
- TIREMAAX PRO constantly pressurises and equalises tyres

## TIREMAAX® CP System

**A simple solution for trailer tyre pressure dilemmas.**

TIREMAAX CP delivers all of the benefits of an automatic tyre 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 tyre pressure without pressurising the axle or wheel ends
- A signal light activates only 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®, INTRAAX®-SP, CONNEX™-ST, CONNEX™, VANTRAAX® and ULTRAA-K® suspensions or HTA®/HCA® trailer axle systems.





# TIREMAAX® Trailer Tyre Pressure Control Systems

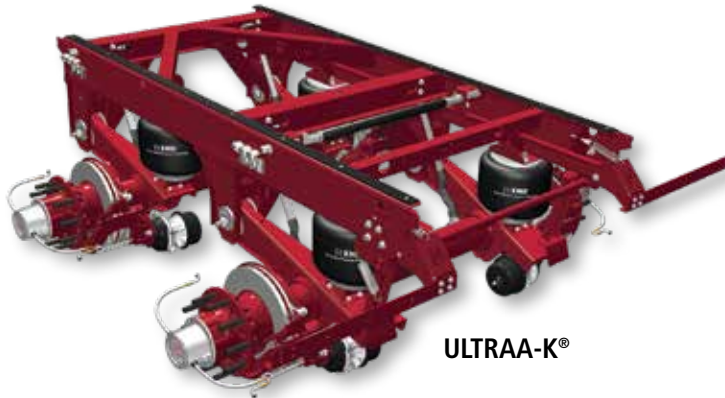
AVAILABLE WITH ALL HENDRICKSON TRAILER INTEGRATED SUSPENSION AND AXLE SYSTEMS



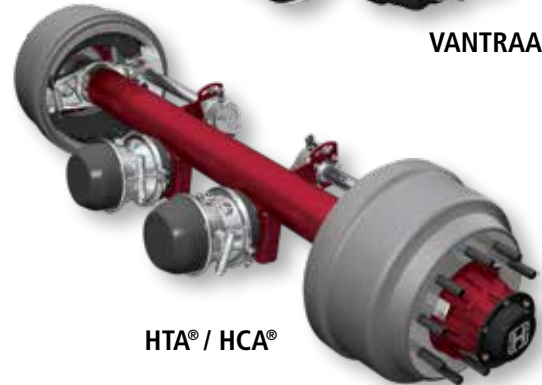
INTRAAX®



VANTRAAX®



ULTRAA-K®



HTA® / HCA®

- The average fleet loses at least €640 each year per tractor-trailer rig due to under inflated tyres. American Trucking Associations Technology and Maintenance (TMC)

## TIREMAAX® system can pay for itself and more

According to industry sources, proper tyre inflation can yield savings in the three greatest expense areas for fleets and owner operators — labor, fuel and tyres. 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 tyre pressure checks, which can take an operator 15 minutes per trailer

### Fuel savings

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

### Extended tyre life

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

### Increased up time

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

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. For additional details regarding specifications, applications, capacities and service maintenance instructions, contact Hendrickson. Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

Call Hendrickson or visit our global websites for additional information.



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