

Tire Pilot™ Plus

Enhanced Tire Pressure Management System
to Control Both Under and Over Inflation



NEW
Now electronically controlled for
precise tire pressure management



SAF®

Tire Pilot™ Plus

Enhanced Tire Pressure Management System

Tire Pilot™ Plus not only controls pressure through inflation, but also maintains equal pressure across all wheels and features high pressure relief for overinflated tires. The robust design sets it apart from competitive designs with durable components.

- Automatically responds to small leaks caused by road hazards like nails and metal debris.
- System warning light alerts the driver ONLY when there is a need to immediately seek service.
- Diamond knurled hose connections at both hubcaps and tire valve ends allow installation and replacement without a wrench.
- The stainless steel air hose connections are ported through the sides of the hubcap and are protected between the integrated fins.
- High Pressure Relief feature maintains equal and proper pressure for all tires.
- Tire Pilot™ Plus can easily be specified on all SAF air and mechanical suspension/axle systems, or is available as a simple retrofit on existing trailers.
- Can save over \$750 per year per trailer*.

Proper Air Pressure is Critical to Tire Life



Full Contact optimizes traction, handling and maximizes tire life.



Outside Contact accelerates irregular tread wear, increases rolling resistance, and reduces fuel efficiency by up to 2%.



Center Contact Only reduces tire life and traction. Tire is susceptible to tread damage and punctures.



ROBUST DESIGN WITH DURABLE COMPONENTS FOR INCREASED SYSTEM LIFE.



Non-Pressurized Axle with Internal Airlines
Internal airlines supply system air in place of pressuring the axle.

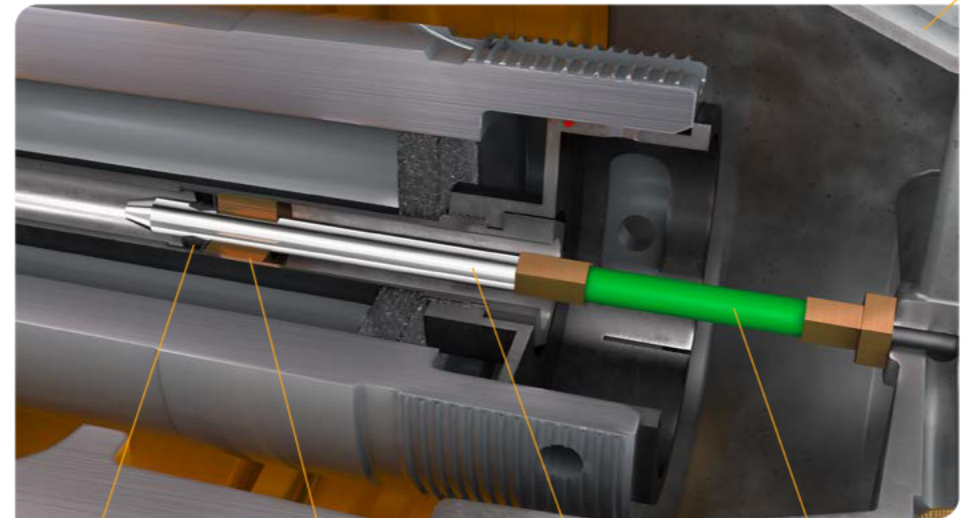
Axle Spindle Plug
Vented plug easily installed into axle spindle.

Knurled Caps
Knurled connections at hub cap and tire ends for easy removal.

Check Valve
High quality plug and barrel check valve to prevent leak down.

Integrated Fins
on hubcap to shield the air connections from road debris.

ROTARY UNION DETAIL



Double-lipped radial seal prevents air system leaks into the wheel end.

Heavy-duty bronze bushing assures proper alignment of rotating shaft.

Polished steel rotating shaft provides a smooth, long lasting sealing surface.

Flexible PTFE tubing withstands extreme temperatures.

Braided Air Hose
Stainless steel braided air hose for robust, long life performance.

Integrated Air Passageways
Air supply to the tires flows through integrated passageways in hubcap.

* TMC RP235 reports the following – Tires under inflated by 10% will wear 9% to 16% faster than properly inflated tires. Under inflated tires add roll resistance that can reduce fuel economy by as much 2%. The average fleet loses \$750 per trailer each year due to improperly inflated tires.

Electronically Controlled

The Tire Pilot™ Plus system is now electronically controlled for even greater profitability through enhanced fuel economy and tire life.

The electronically controlled regulator means precise pressure control for a higher level of operational efficiency. Greater efficiency equals better fuel economy and maximum tire life. The new electronic control module features a durable tamper resistant sealed design to protect against the elements, and an integrated powder coated steel mounting bracket for easy sub-frame installation. The pressure setting is factory preset and maintained eliminating the need for field adjustments, and service diagnostics are more convenient with Bluetooth® connection capability. The system is designed for scalable upgrade capabilities for added sensor monitoring.

Features

- Sealed to protect against the elements
- More precise pressure control further enhancing fuel economy/tire life
- Pressure setting preset at the factory – no need for field adjustments
- Bluetooth® capability for quick and easy service diagnostics check
- Tamper resistant module to prevent unauthorized access
- Easy Plug and Play system installation
- Scalable capabilities for added sensor monitoring
- Engineered to support future CAN and SAE J139 communication protocols





TIRE PILOT™ PLUS

NOW ELECTRONICALLY
CONTROLLED FOR
PRECISE OPERATION



Significant change in ambient climate temperatures can cause the pressure in tires to change. In an increased temperature situation tires become overinflated and are more susceptible to premature tread wear and damage from road debris. Tire Pilot Plus not only manages under inflation, but also controls over inflation by relieving pressure from the tires while maintaining equalized pressure across all wheel ends.



Engineering Your Road to Success

The SAF-HOLLAND® Group is one of the leading international manufacturers of suspension-related assemblies and components for trailers, trucks and buses. Our innovative products increase the efficiency, safety and environmental friendliness of commercial vehicles, contribute to the success of our customers. With around 5,500 employees worldwide, we are at the forefront of shaping the future of the transportation industry.



Trailer Axles and
Suspension Systems



Coupling and Lifting
Technologies



Brake Solutions and
Air Valve Technologies



Suspensions and Components
for Commercial Vehicles



Suspensions for
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Trailer Axles and
Suspensions Systems

safholland.com

SAF-HOLLAND, Inc.
Tel 800.876.3929

SAF-HOLLAND Canada Limited
Tel 519.537.3494
Western Canada 604.574.7491

SAF-HOLLAND Mexico
Tel 52.55.5456.8641