



**SAF** ●

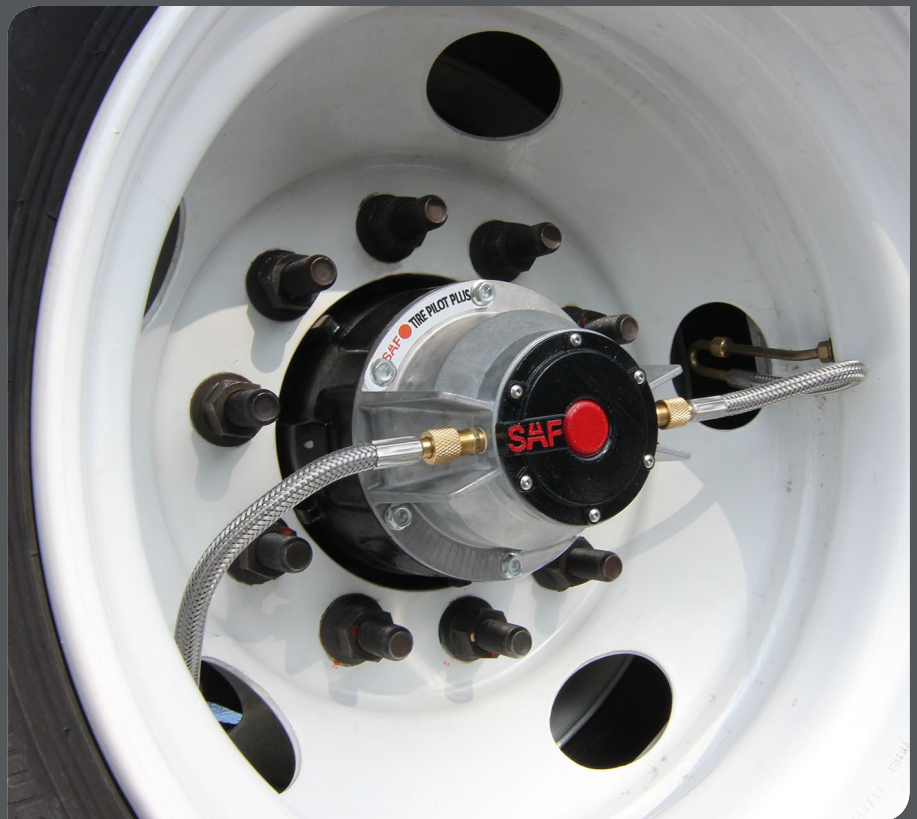
# TIRE PILOT PLUS™

ENHANCED TIRE PRESSURE MANAGEMENT SYSTEM  
TO CONTROL BOTH UNDER AND OVER INFLATION



# TIRE PILOT PLUS™

Maximizing tire life with SAF Tire Pilot Plus is one of the easier ways to add to your bottom line. 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.



**SAF**

# TIRE PILOT PLUS™

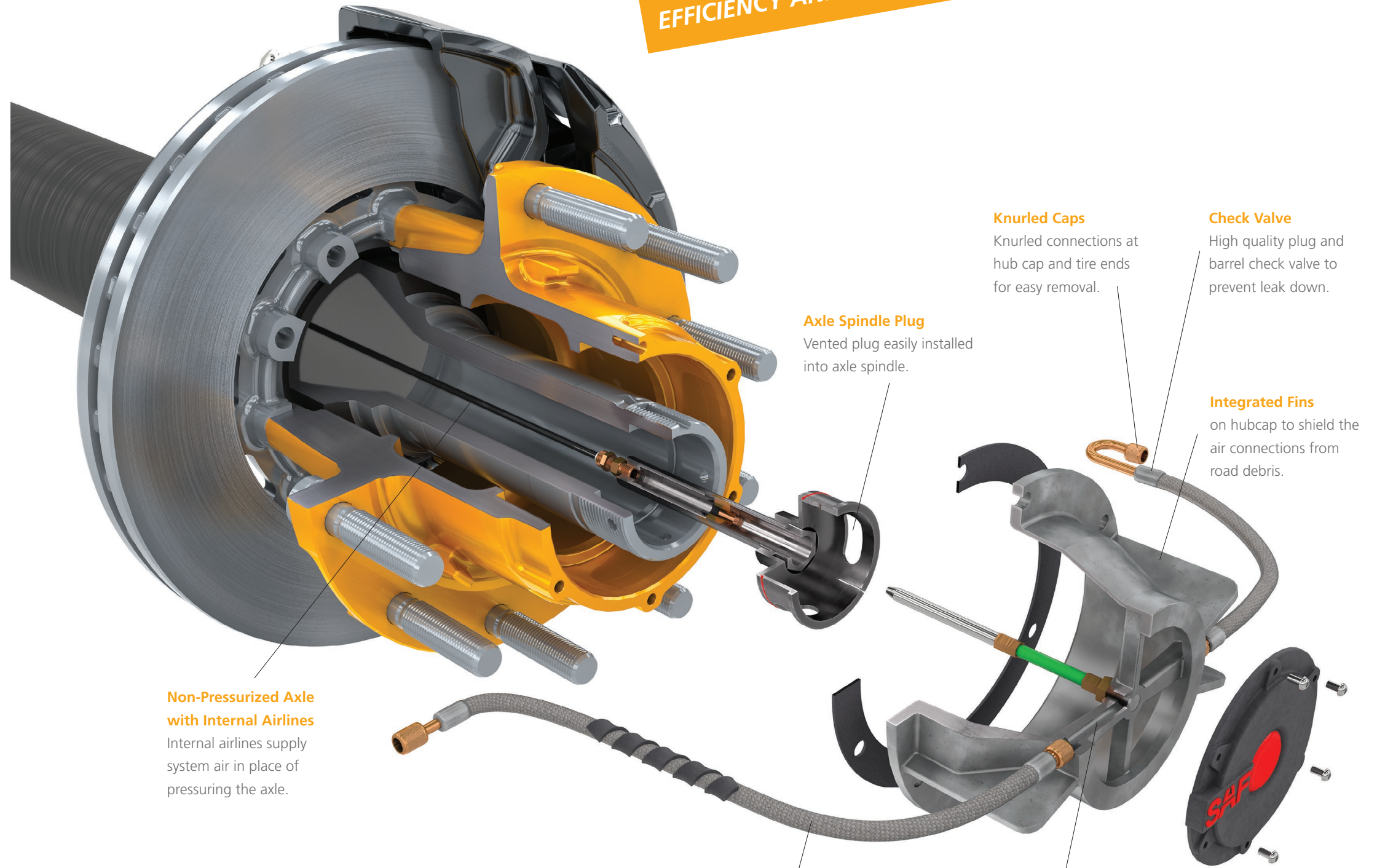
## ENHANCED TIRE PRESSURE MANAGEMENT SYSTEM

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 CBX and ULX Series suspensions, or is available as a simple retrofit on existing trailers.
- Can save over \$750 per year per trailer\*.



IMPROVE PROFITABILITY BY ENHANCING TIRE LIFE, FUEL EFFICIENCY AND UPTIME



**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.

**Axle Spindle Plug**  
Vented plug easily installed into axle spindle.

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

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

**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.

### Proper Air Pressure is Critical to Tire Life

<p><b>PROPER INFLATION</b></p>	<p><b>UNDER INFLATION</b></p>	<p><b>OVER INFLATION</b></p>
<p><b>Full Contact</b> optimizes traction, handling and maximizes tire life.</p>	<p><b>Outside Contact</b> accelerates irregular tread wear, increases rolling resistance, and reduces fuel efficiency by up to 2%.</p>	<p><b>Center Contact Only</b> reduces tire life and traction. Tire is susceptible to tread damage and punctures.</p>

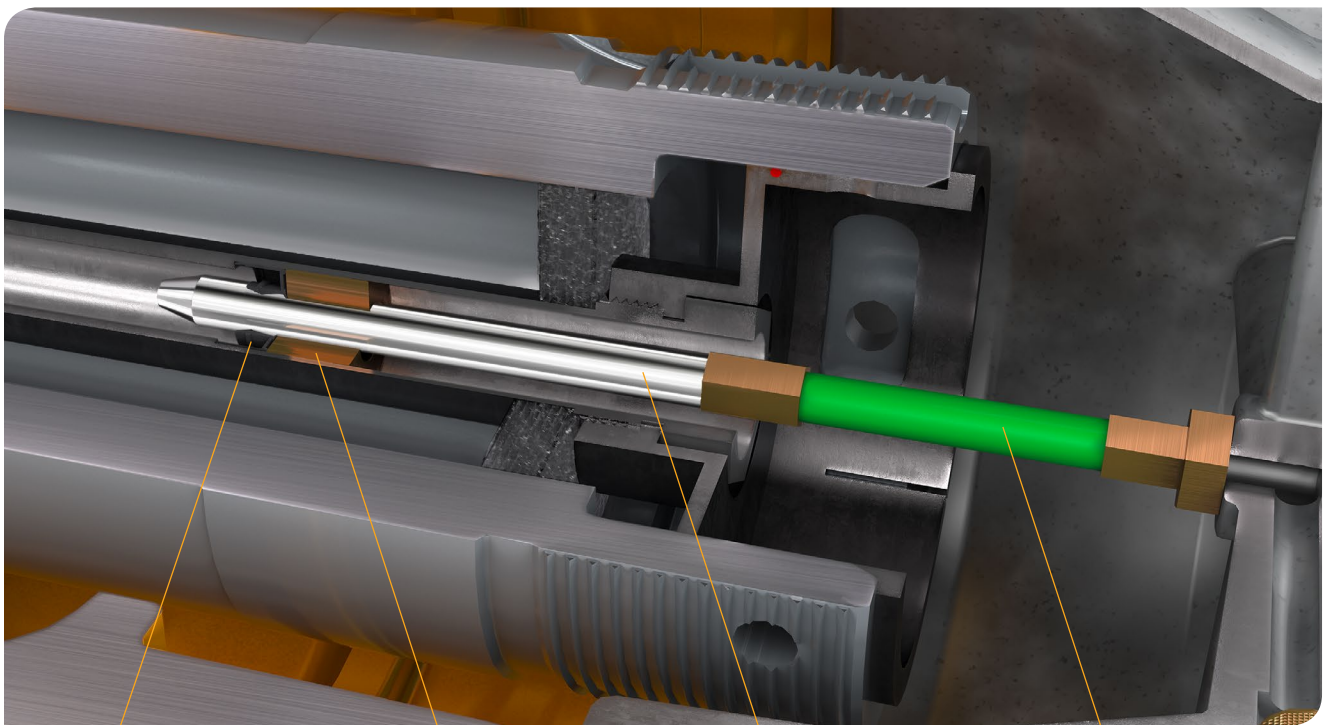
\* TMC RP235 reports the following – Tires underinflated by 10% will wear 9% to 16% faster than properly inflated tires. Underinflated tires add roll resistance that can reduce fuel economy by as much 2%. The average fleet loses \$750 per trailer each year due to improperly inflated tires.

# TIRE PILOT PLUS™ INCLUDES UNIQUELY ROBUST DESIGN FEATURES

The robust design of the Tire Pilot Plus sets it apart from competitive designs with durable components that increase the system's life, while decreasing both maintenance and replacement costs.

- Diamond Knurled Hose connections at both hubcap 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.
- The innovative design includes a minimum number of proven components to ensure fast installation and service.
- Tire Pilot Plus can easily be specified on CBX and ULX Series suspensions, or is available as a simple retrofit on existing trailers.

## 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.

# SAF Holland Group



TRAILER AXLES AND  
SUSPENSION SYSTEMS



COUPLING AND  
LIFTING SYSTEMS



SUSPENSIONS FOR  
TRUCKS AND BUSES



SUSPENSIONS AND  
AXLE SYSTEMS



BUS AIR SUSPENSION  
SYSTEMS



V. ORLANDI  
TOWING  
SYSTEMS



TRAILER AXLES/SUSPENSIONS,  
COUPLING AND LIFTING  
SYSTEMS

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