



MERITOR®

an **ArvinMeritor** brand

Meritor® Tire Inflation Systems

by P.S.I.



A member of
Drivetrain Plus™
The Industry's Most Complete Drivetrain.

Under-Inflated Trailer Tires Cost Time, Fuel and Money.

Tires represent the second largest financial expenditure for most fleets. Consider this: A 20% under-inflation of your trailer's tires can cut their usable life by 25%. If they're under-inflated by 30%, you've cut their life by as much as 55%!* And that's just the start. You're also losing valuable fuel efficiency, because improperly inflated tires tend to scuff and drag, consuming as much as 10% of your fuel efficiency.

"Maintaining tire inflation pressure is the single most important tire maintenance function. Cost per mile will directly benefit from consistent tire pressure control."
— Goodyear

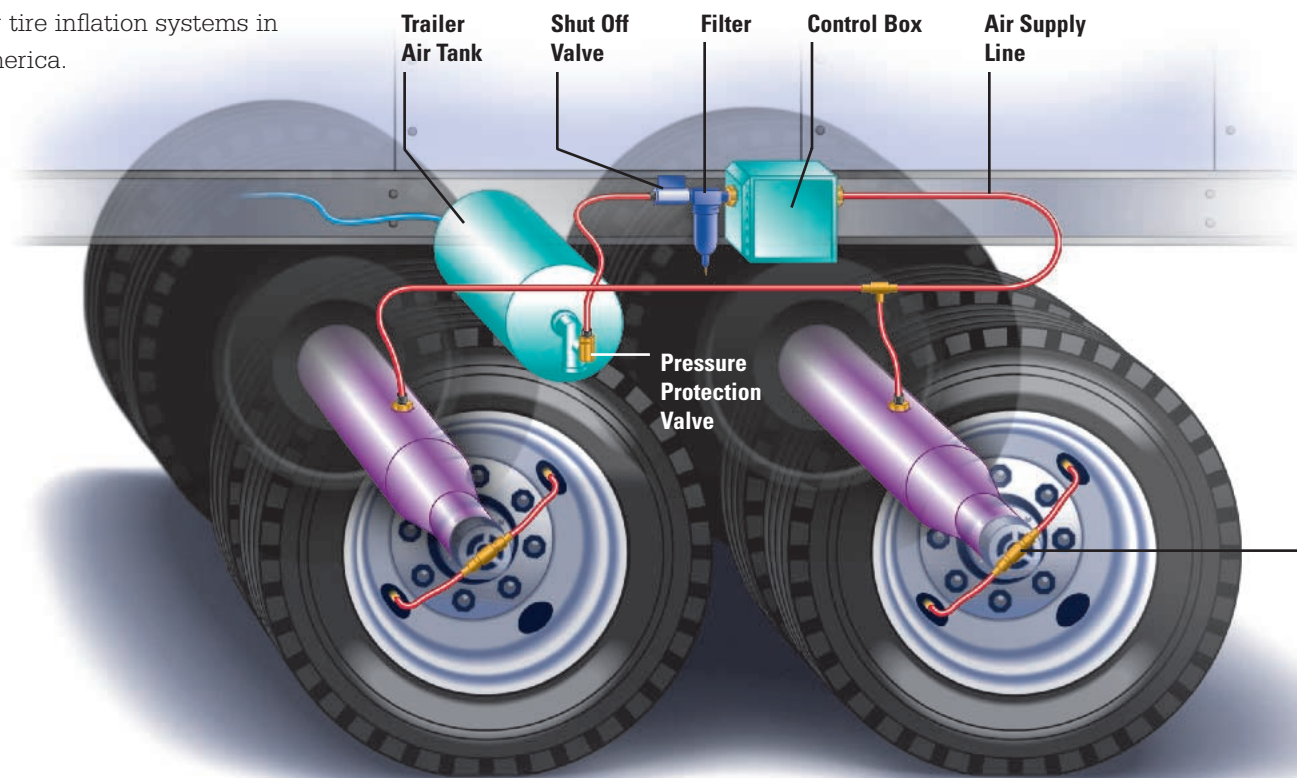
What's more, loss of inflation due to punctures or blowouts can increase costly road service calls and can create hazardous on-road and off-road situations. Blowouts can also cause costly damage to the trailer undercarriage, fender, mud flap, wire harness and lights.

The solution? Maximize tire life with Meritor® Tire Inflation Systems by P.S.I.—the leading trailer tire inflation systems in North America.

How to Increase Your Trailer Tires' Road Time—and Yours!

With the Meritor® Automatic Tire Inflation System (ATIS™), under-inflation is no longer a problem. Unlike equalization systems that merely distribute air from one tire to another, the Meritor® system actually monitors and maintains air pressure at a constant and proper level. Here's how:

- Air from the existing trailer air supply is routed to a control box, then into each axle.
- Acting as a conduit, the axles carry air through a rotary union assembly at the spindle end, which then distributes the air to each tire as needed. (The rotary union is the only moving part in the entire system, making it virtually maintenance-free.)
- A pressure protection valve ensures the system never compromises the integrity of the brake system.



*Source: Schrader-Bridgeport

ATIS™ is a trademark of Pressure Systems International, Inc.

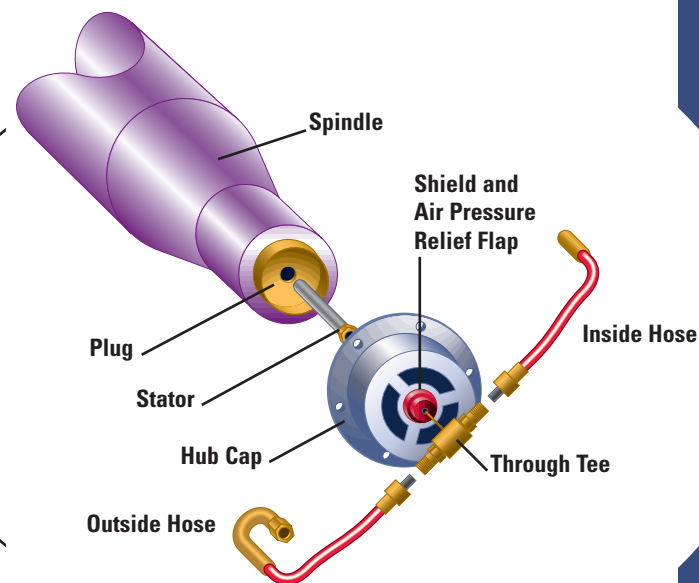
- An indicator light informs the driver of an excessive air pressure loss, providing advanced warning of maintenance or service requirements.
- Should a tire failure occur, check valves in the tire delivery lines will prevent loss of pressure from the remaining tires.

Easy to Install on New and Existing Trailers.

The Meritor® system can be easily installed on any type of trailer—from dry vans and liquid tanks to flat beds and deep drop trailers. It can even be installed on military vehicles. Because the ATIS™ is self-contained on the trailer, it can be used with any type of tractor.

ArvinMeritor offers complete installation and training support to ensure proper installation.

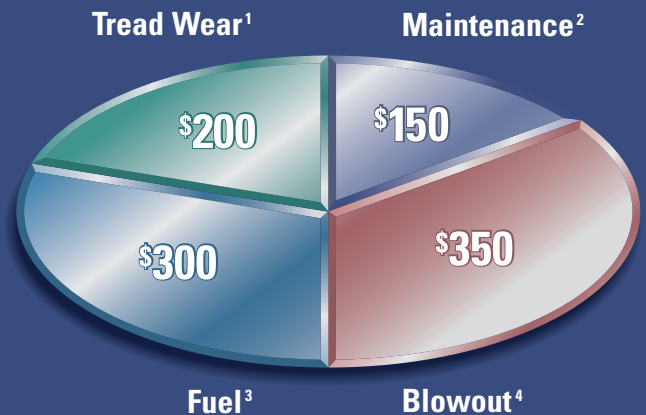
We also work with trailer manufacturers to integrate ATIS™ into the design of all new trailers, including those equipped with extended maintenance axles, stationary or sliding axles, multiple axles, and all types of suspensions.



Fast Payback, Higher Profits.

More than 80% of fleet tire problems are caused by improper inflation. Meritor® Tire Inflation Systems by P.S.I. keep tires properly inflated, delivering increased profitability year after year.

Average Annual Cost Savings per Trailer with the Meritor® Tire Inflation System:



¹ Tread Wear: Based on 10% extended tread wear of 8 tires traveling 90,000 miles/year and tire cost of \$225. (*Goodyear Engineering Data Book*)

² Maintenance: Based on 25 minutes/month spent on checking and filling tires by a tire man at \$25/hour. (*Commercial Carrier Journal Survey, Sept. 1994*)

³ Fuel: Based on 2% annual fuel saving assuming 90,000 miles/year at 6 mpg and \$1/gallon. (*Michelin North America*)

⁴ Blowout: Based on one service call and new tire cost. (*McGriff Tire Company*)

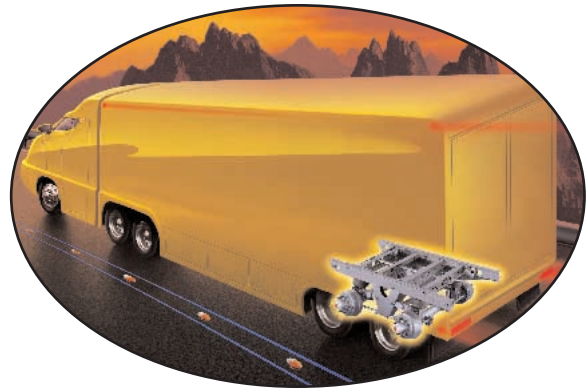
To quickly calculate the payback for your operation, visit our interactive website at www.arvinmeritor.com.

With Meritor Tire Inflation Systems by P.S.I., you'll also experience:

- Less trailer downtime
- More on-time deliveries
- Increased safety
- Insurance benefits
- Reduced trailer damage
- Fast return on investment
- The ability to wear out the tire and make casing available for retread.

Complete Low-Maintenance Trailer Undercarriage Solution from ArvinMeritor:

At ArvinMeritor, our goal is to be your single-source solution for low-maintenance trailer undercarriage products. To meet that goal, we've designed a line of products with low maintenance in mind. That means your trailer will not only save you time and money, but will also have a higher resale value.



Meritor® Tire Inflation Systems by P.S.I.:

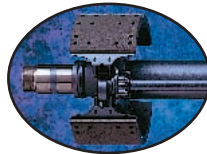
Only one moving part, for the ultimate low-maintenance system. Plus, the inflation system helps reduce overall tire maintenance.



TB Series trailer axle with unitized hubs:

Virtually eliminates wheel-end seal and bearing maintenance. Permanently sealed and lubricated for the life of the hub.

8" Q Plus™ cam brakes: Wider lining for up to 30% more brake life between relines over standard 7" Q Plus brakes.



Meritor WABCO Easy-Stop™ trailer anti-lock braking system: Eliminates tire hop. No routine maintenance required. All components completely sealed and protected from the road environment.

RHP Highway Parallelogram air suspension system: Eliminates all routine maintenance apart from periodic inspections. Easy access to all components.



ArvinMeritor™
Commercial Vehicle Systems

The entire family of trailer products by Meritor® is an integral member of **Drivetrain Plus™** by ArvinMeritor, the industry's most complete drivetrain. For more information, call **800-535-5560**.

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