

Air Apparent

Automatic Tire Inflation System Integration

Automatic Tire Inflation Systems (ATIS) such as the Meritor Tire Inflation System or P.S.I., provide proven benefits for your trailer fleet, from maximized fuel economy, extended tire life, improved safety, and reduced risk of violations.

PINPOINT PROBLEMS IN REAL TIME

Now, with ATIS integration through FL Flex and FleetLocate, your maintenance and operations staff can receive real-time notifications when an ATIS system has been activated on a trailer, indicating a potential tire failure or leak. Compromised tires are costly to your business, and busy drivers may not always inform your maintenance staff of tire issues. With FleetLocate and ATIS integration, now you can automatically relay ATIS status information to your central operations or local maintenance staff so issues can be addressed proactively, before they result in a tire failure.

MITIGATE ISSUES WHEN THEY COST THE LEAST

Tires are the top maintenance cost for fleets, and tire under-inflation is the biggest culprit. With the ability to monitor tire pressure events in real time, you can mitigate the downtime and expense of roadside service calls and premature tire replacement

FleetLocate ATIS integration makes it easy to:

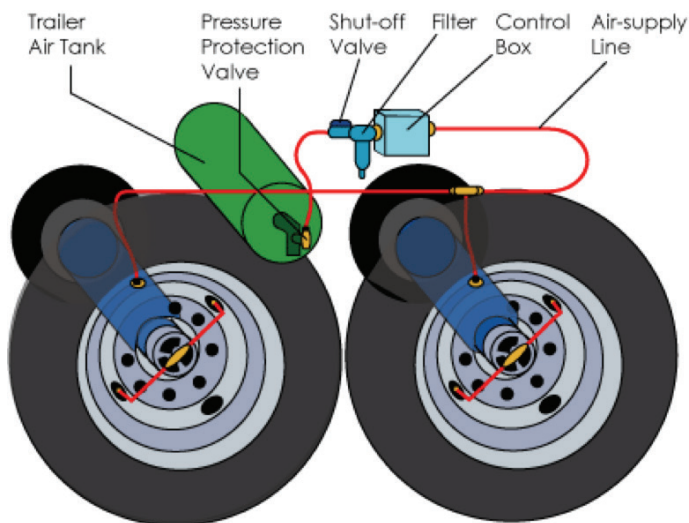
- See real-time ATIS status (activated or not) for all system-equipped trailers
- Create real-time alerts to notify your staff of ATIS activations
- Create comprehensive reports to provide intelligence on frequency and location of activations across your entire fleet



HOW AUTOMATIC TIRE INFLATION SYSTEMS WORK

The beauty of Automatic Tire Inflation Systems is that they leverage the existing onboard air brake air tank to ensure your tires operate with the proper inflation. Put simply:

- The ATIS system taps into existing onboard air brake air tank
- Air lines run through the ATIS control unit and through the axles to each tire
- When tire pressure falls below the preset threshold, the ATIS valve opens to pump air into the tire to restore pressure back to threshold
- An ATIS indicator lamp on nose illuminates when air is flowing into tire to alert driver
- With FleetLocate's integration via FL Flex, status information and alerts are triggered to ensure the proper party or person gets a heads-up about tires which may be compromised



Source: Meritor

FleetLocate / PSI MERITOR ATIS INTEGRATION BENEFITS

Built in collaboration with PSI, the leader in automatic tire inflation systems, Spireon's groundbreaking, modular FL Flex telematics hub integrates with the PSI Meritor ATIS system to communicate important activation information to the FleetLocate solution. Integration is simple, and requires few components:

- PSI Meritor ATIS solution (obtained through PSI)
- FL Flex trailer telematics solution (obtained through Spireon)
- Optional environmentally-sealed relay for special use cases such as chassis/flatbeds/tankers (obtained through Spireon)



What's more is that by leveraging the power and versatility of the FL Flex modular hub, you can add any combination of solar power management, door sensors, liftgate battery monitoring, and Spireon's proprietary IntelliScan cargo sensing technology to create a custom solution for your trailer fleet!