Trelleborg CTIS+ Inside. Optimal pressure at your fingertips.

Bring your productivity ahead.
New Trelleborg CTIS+ Inside is an OE integrated pressure control system jointly developed with Dana Incorporated. The system allows to inflate or deflate tires pressure directly from the cabin of the tractor, with a touch of a button.
Trelleborg CTIS+. The right pressure, at the right time in the right place.
The CTIS+ upgrades traditional functionalities of available CTIS system in the market. Differently from existing solutions, Trelleborg’s one is a fully integrated system with no external part or pipes sticking out from the wheel, both for the rear and the front axle. During the inflation operation, the TLC algorithm instructs the MCU (Mechatronic Control Unit, by Dana) which independently controls the distribution of air pressure for each wheel, through the Trelleborg manifolds installed on each inner rim. The Trelleborg manifold prevents air leakage between the stator and the rotary elements thanks to its advanced design which includes the Trelleborg in-house developed rotary seal. Finally, the air reaches the tire chamber through the advanced wheel valve developed by Dana, which avoids the risk of tire leakages during operations. During the deflation, the TLC software and the MCU instruct the wheel valve to release tire pressure, according to the recommended values.

The CTIS+ has been designed to be smart and easy to use. After the machine is configured using the TLC+ Software, depending on the selected operation, you can see the actual and recommended tire pressure from the cabin monitor. By just clicking on the “Adjust Pressure” function, you can instruct the system to adopt the pressure according to the recommendation.

1. Through the TLC+ App (Trelleborg Load Calculator) you can set the correct tire pressure according to the operations and equipment selected for your tractor.

2. By clicking on the “Adjust Pressure” function you instruct the system to adopt the recommended pressure.

3. The MCU instructs the wheel valve to inflate or deflate the tire pressure, according to the recommended values.
The benefits for your farming with the Trelleborg CTIS+

- **INCREASED OPERATOR SAFETY**: No external pipes
- **FULL MACHINE INTEGRATION**
- **REDUCED WORKING TIME**
- **LESS FUEL CONSUMPTION**
- **EASY TO USE**: Compatible with fixed and mobile flanges
- **FAST PRESSURE REGULATION**: Speed up to 0.33 bar/min

The right pressure reduces your costs by over 20%

Incorrect tire pressure has a significant negative impact on soil fertility as well as on tractor efficiency. The right pressure, according to machine configuration and application, boosts the performance of your tires’ increasing traction, reducing slippage and rolling resistance, with consequent higher productivity during daily operation, both in the field and on the road.

Low soil compaction, high yield from your crops

Soil compaction is one of the major enemy for your farm’s productivity. A compacted soil restricts the roots growth, increases the density and reduces soil porosity. Your soil is the most important resource when growing an healthy and profitable crop.

This is why the inflation pressure of your tires can make the difference. Trelleborg’s main goal is to help you to reduce soil compaction, providing the right tool to monitor tire pressure and adjust it where and when needed.

The right pressure reduces your costs by over 20%

- **INCREASED TRACTION**
- **LONGER TIRE LIFE**
- **CROPS PROTECTION**
- **CARE FOR THE ENVIRONMENT**
- **COST REDUCTION**

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Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Our innovative engineered solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has local presence in over 50 countries around the world.

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