



# CENTRAL TYRE INFLATION SYSTEM

TYRE PRESSURE CONTROL  
WHILE DRIVING



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## AIR PRESSURE CONTROL

**CTIS** stands for **Central Tyre Inflation System**. It is a system which allows the wheel vehicles tyre pressure control while driving.

This means **the operator can modify the air pressure without leaving the cabin**, adjusting it according to the soil condition and operation needs.

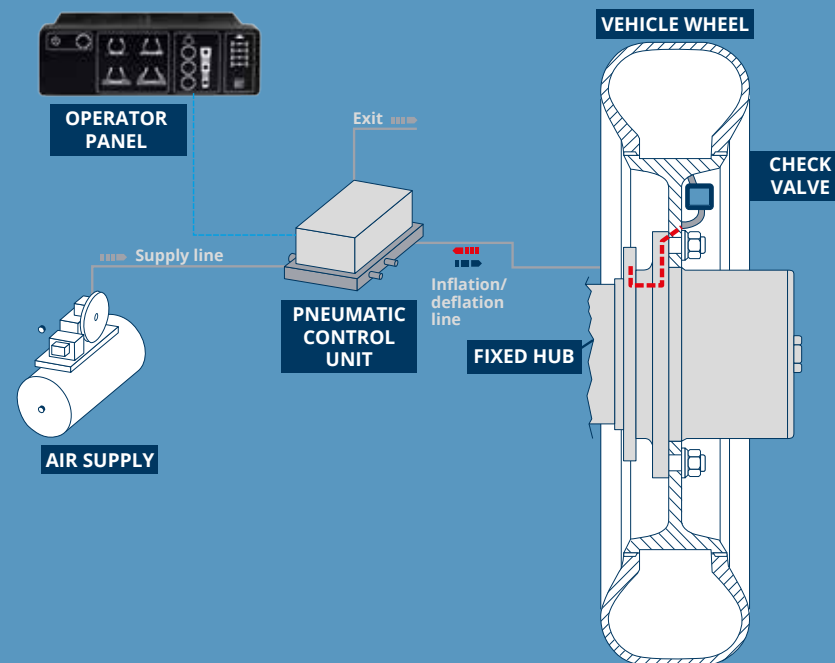


## CONTROL SYSTEM

**Bonfiglioli CTIS-ready wheel drive** consists in a new gearbox design that includes special air passage system inside. It has been designed for machines already equipped with the tyre inflation control system.

**This allows to maintain the same overall dimensions, to have integrated and protected component** with only the two threaded connections for the air hoses.

These advantages are achieved with **basically no outline dimension change** with respect to a standard wheel drive, thanks to the compact internal design.



## ADVANTAGES

### IMPROVED MOBILITY

- Increases traction driving off road, sand, mud etc
- Allows higher vehicle speeds and fuel saving during on-road transfer

### RELIABLE PERFORMANCE

- Eliminates tires leak down: seals and control hoses are isolated from tires and not pressurized during normal operation or when parked.
- The system covers the complete machine lifetime without maintenance
- Allows continuous vehicle operation with less tyre wear

### ADVANCED FEATURES

- Operator panel in the cabin
- Pre-selected menus depending on load and terrain types
- Automatic over-speed protection inflates tires to a pressure related to vehicle speed
- Tire maintenance feature checks and maintains pressure at selectable time intervals
- Multi-channel pressure control available by axle groups.
- Integrated diagnostics alerts driver of potential tire problems and system status

## 609W2 WHEEL DRIVE WITH INTEGRATED CTIS





We have a relentless commitment to excellence, innovation & sustainability.  
Our team creates, distributes and services world-class power transmission &  
drive solutions to keep the world in motion.

#### **HEADQUARTERS**

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