



...for the long haul

CTI

TractionAir

Safer, Smarter - Central Tyre Inflation



Using GPS technology, TractionAir now increases tyre pressures as speeds increase maintaining the integrity of the tyres and safety of the vehicle. Developed from more than 14 years' experience, backed by our 3 year/500,000 Km warranty, TractionAir is the safer and smarter CTI System, delivering real value for money.

- **Cost Effective.**
- **Easier to use.**
- **GPS Technology.**
- **Modular for faster installation.**



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Easy to Fit

The TractionAir™ Kit comes with all the major components preassembled. Mount the Pressure Cell on the chassis, fit the ECU in the cab, attach the wheel end hardware, and just plumb and plug in the leads. "TractionAir is really tidy; having the working valves protected in the aluminium housing gives peace of mind." Says Graham Sheldrake of G.J. Sheldrake Ltd. "There are no valves exposed and hanging off the tank to break or get in the way".



Simple & Easy to Use

Designed to fit neatly on any truck dashboard, the 8-30V multi-volt ECU features large easy to read tyre pressures and LED switches for each tyre pressure setting. The adjustable backlight allows the driver to alter the brightness when operating at night. "The drivers like it, the actual tyre pressures display in big clear numbers" says Peter Masters of Trevor Masters Limited. "It's quick and easy to change to any pressure setting, which helps the guys drive to the conditions"



TractionAir set up for planetary drive axles features our low profile rotators.

Robust Modular Design

New compact wheel end coupling. This innovation places the rotator closer to the hub making it less venerable to damage. The new coupling is the lowest profile rotator on the global market today. Developed from over 12 years of experience in the field TractionAir™ sets the benchmark for others to follow. TractionAir™ delivers cost effective CTI with real value for money. "We required multiple CTI Units in Whangarei. The three year warranty, affordability and Simplicity of G4 TractionAir made our decision easy" says Kevin Turner of Smith & Davies Ltd.



GPS for Peace of Mind

Using a GPS receiver to measure the ground speed and matching this to stepped pressure intervals is at the cutting edge of CTI pneumatic control. As the truck increases speed the system pumps itself up to fully programmable tyre pressure settings providing peace of mind for the fleet owner knowing that the driver can no longer drive down the road with the tyre pressures at settings too low for the speed of the vehicle.



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Fitting TractionAir CTI has a number of benefits:

A softer ride gives improved driver comfort and a saving on chassis and running gear maintenance costs from less "skip" when running unloaded on rough surfaces. Steel belted radial truck tyres are designed to flex. TractionAir™ is designed to maintain the correct tyre sidewall deflection ratio according to load and speed. This softer ride is also reflected in less pavement damage.

Dramatic increase in traction allowing you to haul on marginal surfaces. With the tyre pressures dropped to a 25% deflection you can pull 40% more before wheel spin on a Gravel surface, as against standard tyre pressure of 85 to 90psi. This is particularly useful for heavy haul tractors and agitators driving off site after delivering their loads.

With tyre pressures dropped to a 30% deflection ground pressure is halved allowing you to work the land without leaving marks and ruts, and is ideal for driving through soft sand.

A reduction of stone impact damage to the tyre cases, and more even tread wear from reduced bounce provides an increased ability to recap tyres.

ECU (cab control) highlights to the driver when you get a puncture, which for an inside tyre will save destroying a tyre. TractionAir will also keep up with most punctures resulting in fewer roadside charges and reducing down time.

You have the backing of our 3 year/500,000 Km warranty on the Electronic Control Unit and Pneumatic Valving.

There are TractionAir™ CTI Systems designed for a number of different vehicle applications, with options of two and four pressure. Call TRT or your local authorised dealer for details.

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