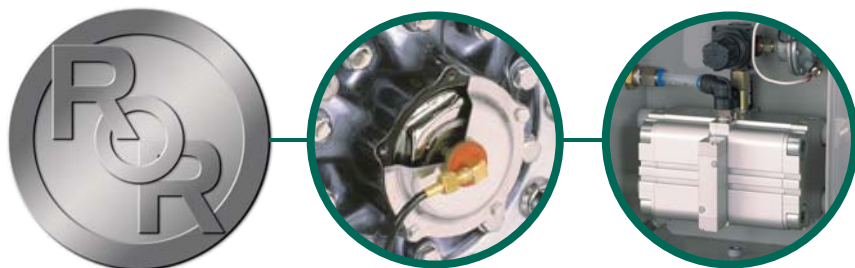


## ROR Trailer Products

Tyre Inflation System by P.S.I.™

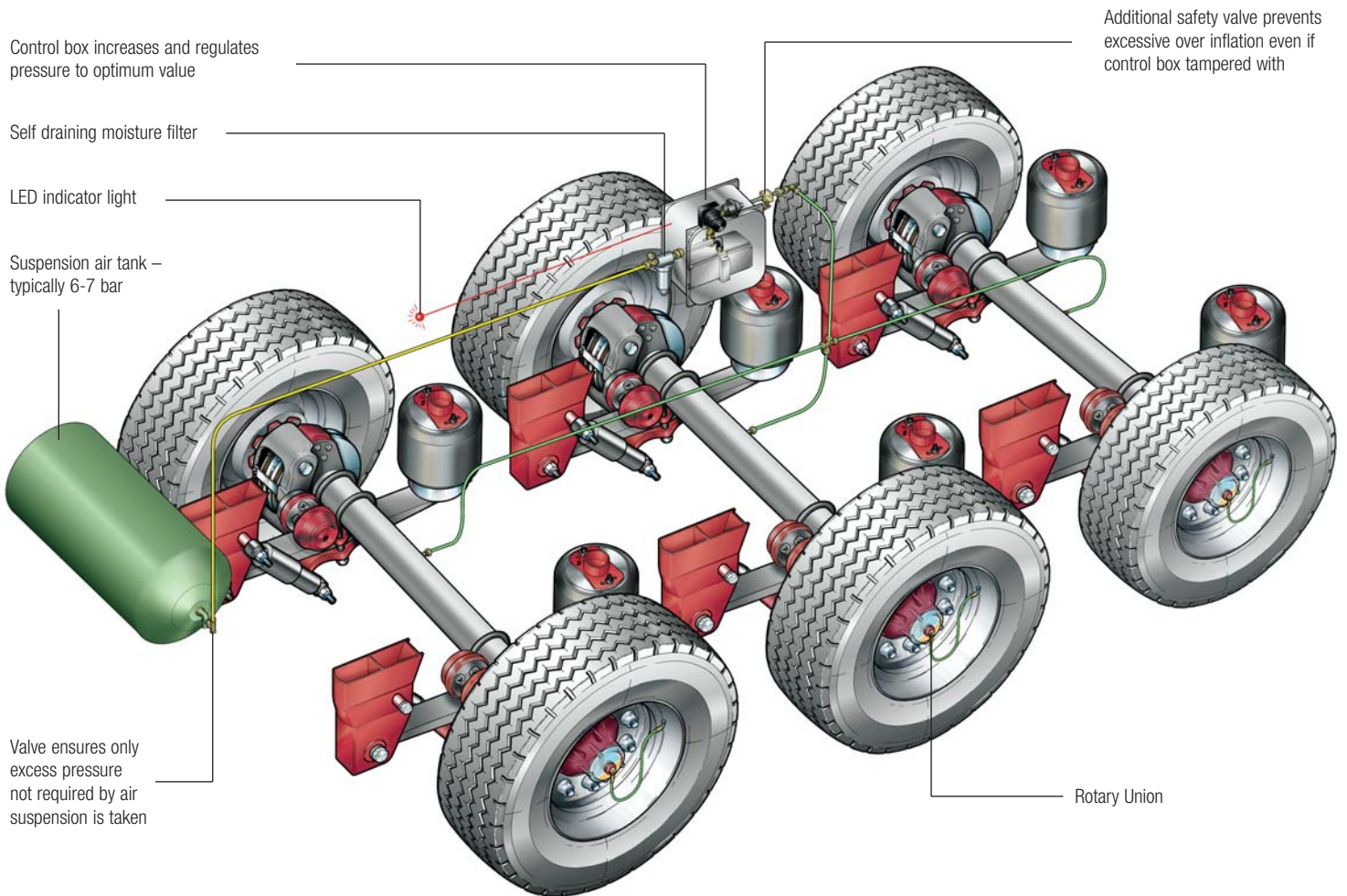


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**ArvinMeritor™**

# ROR Tyre Inflation System by P.S.I.™



## Under-Inflated Trailer Tyres Cost Time, Fuel and Money

Tyres represent the second largest financial expenditure for most fleets. Tyre manufacturers claim a 20% reduction in the required pressure will reduce a tyre's total mileage capability by 25%. On top of this the trailer will tend to create more drag with under-inflated tyres compromising fuel economy. ArvinMeritor tests over the last 12 months on vehicles with and without the ROR Tyre Inflation System by P.S.I.™ achieved an average improvement of 0.2 mpg once the system was fitted. This could represent alone £1,200 of diesel over 12 months! "Maintaining tyre inflation pressure is the single most important tyre maintenance function. Cost per mile will directly benefit from consistent tyre pressure control" – Goodyear.

Loss of inflation due to punctures or blowouts can dramatically increase cost of ownership and create hazardous on- and off-road situations. Blowouts can also cause costly damage to the trailer running gear, bumpers, mud-flaps etc. not to mention the loss of up-time this creates.

## The Solution

The new concept from ArvinMeritor "ROR" is to drive down fleet costs and simplify life for the operator. To this end the ROR Tyre Inflation System by P.S.I.™ addresses all the problems and quickly pays back the original investment, often within 12 months. (Contact ArvinMeritor to see how quickly the system would pay for itself with your specific fleet's cost structure).



### How It Works

The ROR Tyre Inflation System by P.S.I.™ actually MAINTAINS correct cold temperature tyre pressure utilising surplus air from the air suspension tank of the trailer.

- Surplus air, not required for the suspension operation, is routed through a control box where the pressure is doubled via an air operated step-up pump and regulated to the optimum tyre pressure required. It is then fed into each sealed axle.
- Acting as a conduit, the axles carry air through a rotary union assembly at the spindle end, which then distributes air to each tyre as needed. (Rotary Unions take only moments to replace and typically last for in excess of 300,000 miles).
- A LED indicator light informs the driver of any excessive air pressure loss caused by a puncture so that the driver knows instantly of any problem. In most cases the system

can keep up with the pressure loss caused by the puncture in any case saving the tyre and related damage as well as the obvious safety benefit.

- Should a tyre failure occur, check valves in the tyre delivery lines prevent any loss of pressure from other tyres.

### Easy to Install

ROR Tyre Inflation System by P.S.I.™ can be specified factory fitted for any new trailer with ROR axles and axles arrive pre-leak tested, drilled and fitted with ROR Tyre Inflation System by P.S.I.™ wheel end components ready for simple installation by the O.E.M. Aftermarket kits are available for fitment to any existing trailer.

ArvinMeritor offers complete installation and training support. The system is designed to work with any tractor and is supported by a full 2 Year Warranty covering all components.



## ROR Tyre Inflation System Benefits

- Reduced maintenance costs
- Less trailer downtime
- More on-time deliveries
- Increased safety
- Reduced trailer damage
- Longer tyre life
- Improved fuel economy

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