



Tyre Inflation Systems



RDS 2L with pneumatic or digital control
Dual Line tyre inflation system for all slurry tankers and trailers

Advantages of the dual-line technology

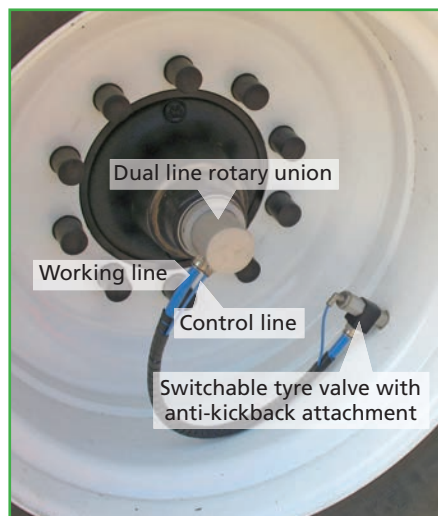
- Line system at zero pressure when switched off
- Switchable tyre valves with anti-kickback attachment (i.e. no manually activated ball valves in the rims)
- No loss of tyre pressure if the line comes off
- Long life of rotary unions (only under pressure during adjustment)
- Optionally with K1000 or K3000 air supply system
- 1,45 Euro/ha savings per operation
- up to 6 % more yield
- up to 30 % less road resistance
- up to 20 % less tyre wear
- up to 10 % less fuel consumption



RDS 2L for all trailers with drilled axles

The RDS Dual Line Technology tyre inflation system is a professional system for reliable and convenient tyre pressure adjustment on the move. The ducts to the wheels lead through the drilled axles. The system is suitable for all slurry tankers and other trailers with appropriately prepared axles. The RDS 2L cannot be retrofitted without drilling the axles.

The air ducts to the wheels lead through the axles. The compact dual line rotary unions featuring long-life grease filling (no greasing needed), high-quality seals and bearings are screwed into the axle hub. The sealing system for axle funnel sealing was developed in cooperation with BPW and primarily consists of a clamping ring and a lip seal. The switchable valve with anti-kickback attachment fitted in the rim promptly closes if the line comes off, to prevent pressure loss in the tyres.



The system is connected to the pneumatic brake system with a safety valve, so 6.5 bar pressure for the brake system is always guaranteed.

Trailers with large-volume tyres usually require separate air supply systems. PTG offers a variety of air supply systems that switch on and off automatically as and when required.

The system is operated from the cabin, optionally using the standard control panel (pneumatic control) or the new electronic box (digital control).

Pneumatic control: The driver sets the required air pressure for both road and field once on the control panel of the gauge outside the vehicle, which are then stored. Using the control panel in the cabin, the driver simply selects the required mode (road or field); the control unit adjusts the pressure in all tyres to the preset values and switches off automatically. The system can also be switched off manually at any time. During adjustment, the ACTUAL pressure gauge shows the current tyre pressure.

Digital control: The electronic box is a universal control unit that enables the user to operate the tyre inflation systems of tractor and trailer at the same time. It also gives the option to access preset air pressure data at the press of a button. Once activated, the system adjusts the tyre pressure in the selected tyres before switching off automatically. The system can also be deactivated at any time at the press of a button.



Pressure gauge panel



Control panel



Cabin control panel

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