



Tyre Inflation Systems

2022


















effective as of 1 May 2022

Tyre Inflation Systems for adjusting tyre pressure
while in motion or stationary

Sold only through retailers



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. Effective as of 01 May 2022 Non-binding offer; subject to change; all prices plus statutory VAT;
minimum order value: 20,00 Euro (net) product value. Delivery ex works, without installation. Warranty life: 1 year. Installation by PTG upon request.

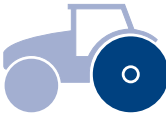




PTG Reifendruckregelsysteme GmbH . Phone: +49-(0)21 31-5 23 76-0 . E-mail: ptg@ptg.info



Tyre Inflation Systems for adjusting tyre pressure while in motion

Standard tractors with bar axles

Product Description

	RDS/radial dual-line tyre pressure regulating system for rear axles for tractors with full-floating axles and/or bar axles. Lines installed inside the rim.	Digital Control
	Air brake system is required. (e.g. Case, New Holland, Claas, Fendt, Massey Ferguson, John Deere, Valtra). Bar axle diameter up to 120 mm Included in delivery: 2 RDS/radial dual-line rotary unions for the rear axle, 2 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.	ISOBUS Control
	RDS/radial dual-line tyre pressure regulating system for rear axles for tractors with full-floating axles and/or bar axles. Lines installed inside the rim.	Digital Control
	Air brake system is required. (e.g. Case Magnum, New Holland T8, Fendt 1000er) Bar axle diameter 127 mm and 145 mm Included in delivery: 2 RDS/radial dual-line rotary unions for front and rear axles, 2 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.	ISOBUS Control
	Supplementary equipment front axle with its own control circuit; lines installed around and over the wheel. Only in combination with the dual-line system at the rear axle.	
	Included in delivery for each additional axle or for every two wheels: 2 AIRBOX/drive dual-line rotary unions for the front axle, 1 bracket set for installing the rotary unions, 2 wheel valves to be screwed into the rims, an additional ERV, controlled via the rear axle's control unit (digital or ISOBUS control) piping material, installation manual.	
	PTG-X-455-... Drilling template (tractor-specific) bar axle diameter up to 120 mm (e.g. for John Deere, Fendt, Case, New Holland, Massey Ferguson).	
	Drilling template (tractor-specific) bar axle diameter 127 mm and 145 mm (e.g. Case Magnum, New Holland T8, Fendt 1000er)	
	PTG-X-863-075 90° connector. for 14 mm polyamide plastic tubes for going around the wheel weights inside the rim.	
	PTG-X-660-021 Dual-tyre connection set with speed wheel valves	

NOTE!

The necessary installation space for RDS/radial rotary unions is approx. 100 mm on both sides between the axle funnel and the axle's clamping fastener.

The necessary installation space for AIRBOX/drive rotary unions around a front axle is approx. 125 mm on both sides.

Please be sure to comply with the approved total width of the vehicle at the front and rear axle.

Tractor specific brackets for system components are not available for every tractor!

Vehicle-specific kits with pre-assembled electronic control valves for front and rear axle, incl. vehicle-specific assembly instructions are available for an extra charge of 175,00 Euro for the following models:

CNH CASE Puma / NEW HOLLAND T7 LWB / STEYR CVT
CNH CASE Optum / NEW HOLLAND T7 HD / STEYR TERRUS
CNH CASE Magnum
Fendt 714 – 724
Fendt 900 GEN6
John Deere 6.145R / 6.155R / 6.165R / 6.185R
John Deere 6.175R / 6.195R / 6.215R
John Deere 6.230R / 6.250R
John Deere 7R
Massey Ferguson 7720 – 7726
Massey Ferguson 8S Dyna7

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Tyre Inflation Systems for adjusting tyre pressure while in motion

Standard tractors with flange axles

Product Description

	AIRBOX/drive dual-line tyre pressure regulating system for rear axles; suited for all tractors; lines installed around and over the wheel. Air brake system is required.	Digital Control
	Included in delivery: 2 AIRBOX/drive dual-line rotary unions for the rear axle, 1 bracket set for installing the rotary unions, 2 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISO-BUS-wiring), piping material, installation manual.	ISOBUS Control
	Supplementary equipment front axle with its own control circuit; lines installed around and over the wheel. Only in combination with the dual-line system at the rear axle.	
	Included in delivery for each additional axle or for every two wheels: 2 AIRBOX/drive dual-line rotary unions for the front axle, 1 bracket set for installing the rotary unions, 2 wheel valves to be screwed into the rims, an additional ERV, controlled via the rear axle's control unit (digital or ISOBUS control) piping material, installation manual.	
	AIRBOX/drive single-line tyre pressure regulating system for rear axles; suited for all tractors; lines installed around and over the wheel. Air brake system is required.	Pneumatic Control
	Note: The single-line tyre pressure regulating system is constantly pressurized! Included in delivery for one axle or for every two wheels: 2 AIRBOX/drive single-line rotary unions for the rear axle, 1 bracket set for installing the rotary unions, 2 shut-off valves to be screwed into the rims, pneumatic control, (main regulator valve, control console), piping material, installation manual.	
	Supplementary equipment Front axle without its own control circuit; lines installed around and over the wheel. Only in combination with the single-line system at the rear axle.	
	Included in delivery for each additional axle or for every two wheels: 2 AIRBOX/drive single-line rotary unions for the front axle, 1 bracket set for installing the rotary unions, 2 shut-off valves to be screwed into the rims, controlled via the rear axle's control unit (pneumatic control), piping material, installation manual.	

NOTE!

The necessary installation space for AIRBOX/drive rotary unions is approx. 125 mm on both sides.

Please be sure to comply with the approved total width of the vehicle at the front and rear axle.

Tractor specific brackets for system components are not available for every tractor!

Vehicle-specific kits with pre-assembled electronic control valves for front and rear axle, incl. vehicle-specific assembly instructions are available for an extra charge of 175,00 Euro for the following models:

CNH CASE Puma / NEW HOLLAND T7 LWB / STEYR CVT
CNH CASE Optum / NEW HOLLAND T7 HD / STEYR TERRUS
Deutz-Fahr 6.155TTV / 6.165TTV / 6.175TTV / 6.185TTV
Deutz-Fahr 7.250 TTV / 8.280 TTV
Fendt 714 – 724
Fendt 900 GEN 6
John Deere 6.175M / 6.195M
John Deere 6.145R / 6.155R / 6.165R / 6.185R
John Deere 6.175R / 6.195R / 6.215R
John Deere 6.230R / 6.250R
John Deere 7R
Valtra T 144 – 254 / T 145 – 275
Valtra T 144 – 254 / T 145 – 275

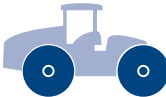




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Tyre Inflation Systems for adjusting tyre pressure while in motion

Articulated tractors with bar axles

Product Description	Tyres	
 <p>RDS/radial dual-line tyre pressure regulating system for front and rear axles for tractors with full-floating axles and/or bar axles, separate control circuits for front and rear axle. Lines installed inside the rim. Air brake system is required: (e.g. John Deere 9R, Case Steiger, New Holland T9). Bar axle diameter up to 120 mm Included in delivery: 4 RDS/radial dual-line rotary unions for front and rear axles, 4 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.</p>	Singles	Digital Control ISOBUS Control
	Dual	Digital Control ISOBUS Control
	Triple	Digital Control ISOBUS Control
 <p>RDS/radial dual-line tyre pressure regulating system for front and rear axles for tractors with full-floating axles and/or bar axles, separate control circuits for front and rear axle. Lines installed inside the rim. Air brake system is required: (e.g. Case Steiger, New Holland T9). Bar axle diameter up to 145 mm Included in delivery: 4 RDS/radial dual-line rotary unions for front and rear axles, 4 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.</p>	Singles	Digital Control ISOBUS Control
	Dual	Digital Control ISOBUS Control
	Triple	Digital Control ISOBUS Control
 <p>PTG-X-455-... Drilling template (tractor-specific) Bar axle diameter up to 120 mm (e.g. for John Deere, Case, New Holland).</p> <p>Drilling template (tractor-specific) Bar axle diameter up to 127 mm and 145 mm (e.g. Case, New Holland, Challenger)</p> <p>Rental fee for drilling template (max. 14 days)</p>		
 <p>PTG-X-863-075 90° connector for 14 mm polyamide plastic tubes for going around the wheel weights inside the rim.</p>		
 <p>PTG-X-660-021 Dual-tyre connection set with speed wheel valves. for 1 axle</p>		

NOTE!
The necessary installation space for RDS/radial rotary unions is approx. 100 mm on both sides between the axle funnel and the axle's clamping fastener.
The necessary installation space for AIRBOX/drive rotary unions around a front axle is approx. 125 mm on both sides.
Please be sure to comply with the approved total width of the vehicle at the front and rear axle.
Tractor specific brackets for system components are not available for every tractor!

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Tyre Inflation Systems for adjusting tyre pressure while in motion

Air supply systems



V2000 AS
(for tractors and self propelled sprayers)

The hydraulically powered compressor is used on tractors in which pumping up the tyres takes too long with the tractor's air brakes compressor.

Product	Type	Dimensions in mm Length x Width x Height	Required oil pressure	Effective output	Filling time*
V2000 AS	vane compressor	550 x 390 x 575	55 L/min	1.800 – 2.000 L/min	approx. 1,5 – 2 min

* depending on the tyres and pressure difference

NOTE!

Hydraulic lines and screw connections are not included in the scope of delivery.

Compressor console is not included in delivery.

Compressor is in no way usable for air brake systems.

Brackets to mount the V2000 AS air supply system on tractors



Part number	Type of tractor
PTG-X-320-055	Fendt 700er series
PTG-X-320-056	New Holland T7.220 – TT7.270, Case Puma 185 – 240, Steyr CVT 6185 – 6240
PTG-X-320-057	Claas Axion 810 – 870
PTG-X-320-058	John Deere 6R 175 – 250
PTG-X-320-063	John Deere 7R
PTG-X-320-060	John Deere 8R
PTG-X-320-059	Massey Ferguson 7720 – 7726
PTG-X-320-064	Massey Ferguson 85

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Tyre Inflation Systems for adjusting tyre pressure while in motion

Forage harvesters

Product Description

	RDS/portal dual-line system for front axles on New Holland FR forage harvesters; lines installed in the axle. Tyre pressure regulating system suited for pre-drilled portal axles. Compressed air supply system is required.	Digital Control
	Included in delivery: 2 RDS/portal dual-line rotary unions (New Holland design), 2 wheel valves to be screwed into the rims, digital control or ISOBUS control, installation manual.	ISOBUS Control
	AIRBOX/drive dual-line system for front axles; lines installed around and over the wheel. Tyre pressure regulating system suited for forage harvesters. Compressed air supply system is required.	Digital Control
	Included in delivery: 2 AIRBOX/drive dual-line rotary unions for the front axle, 1 bracket set for installing the rotary unions, 2 wheel valves to be screwed into the rims, digital control or ISOBUS control, conductive material, installation manual.	ISOBUS Control
	Supplementary equipment rear axle with its own control circuit; lines installed around and over the wheel. Only in combination with the dual-line system at the front axle.	
	Included in delivery: 2 AIRBOX/drive dual-line rotary unions for the rear axle, 1 bracket set for installing the rotary unions, 2 wheel valves to be screwed into the rims, an additional ERV, controlled via the control unit (digital control), piping material, installation manual.	

Self-propelled sprayers

Product Description

	AIRBOX/drive dual-line system for two axles with two control circuits; separately adjustable tyre pressures for front and rear axle, lines installed around and over the wheel. Tyre pressure regulating system suited for all self-propelled sprayers; compressed air supply system is required; additional compressors available upon request.	Digital Control
	Included in delivery: 4 AIRBOX/drive dual-line rotary unions, 2 bracket sets for installing the rotary unions, 4 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.	ISOBUS Control
	AIRBOX/drive dual-line system for two axles with one control circuit for front and rear axle, lines installed around and over the wheel. Tyre pressure regulating system suited for all self-propelled sprayers; compressed air supply system is required; additional compressors available upon request.	Digital Control
	Included in delivery: 4 AIRBOX/drive dual-line rotary unions, 2 bracket sets for installing the rotary unions, 4 wheel valves to be screwed into the rims, digital control (ERV, RDS/control operating unit and wiring) or ISOBUS-control (ERV, ECU and ISOBUS-wiring), piping material, installation manual.	ISOBUS Control

Planters

Product Description

	RDS/Planter dual-line system for yolk-style axles on John Deere NT-Planter series, lines installed in the axles. Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves.	Digital Control
	Included in delivery: RDS dual-line rotary unions for yolk style axles, number of shut-off valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	ISOBUS Control
	AIRBOX/drive Planter dual-line system for undrilled axles; lines installed around and over the wheel Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves.	Digital Control
	Included in delivery: AIRBOX/drive dual-line rotary unions, bracket set for installing the rotary joints, number of wheel valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	2-rotary unions
		4-rotary unions
		ISOBUS Control 2-rotary unions 4-rotary unions

NOTE!

Please specify the axle-type within your order. The necessary axial installation space for RDS rotary unions in front of the grease cap is 80 mm. The necessary installation space for AIRBOX/drive rotary unions is approx. 125 mm on both sides. Please be sure to comply with the approved total width of the vehicle.

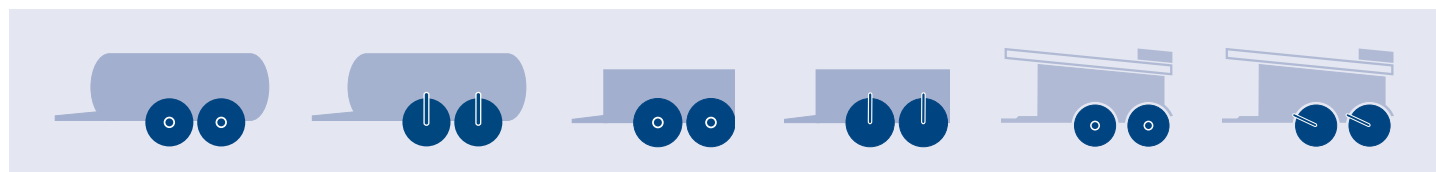
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Tyre Inflation Systems for adjusting tyre pressure while in motion

These systems are suitable for all slurry tankers, trailers and trailed sprayers



Product Description	Axes	
1-Line RDS/GW single-line system for drilled axles, e.g., BPW, ADR or FAD; lines installed in the axles. Rotary unions and lines constantly pressurized; manual shut-off valves in the rims. Included in delivery: RDS single-line rotary unions for drilled trailer axles, number of shut-off valves for screwing into the rims equal to the number of wheels on the vehicle, pneumatic control with main regulator valve and pressure gauge console, cabin control console, wiring, conductive material, installation manual.	Analog Control 3 2 1	
1-Line AIRBOX/drive GW single-line system for undrilled axles, lines installed around and over the wheel. Rotary unions and lines constantly pressurized; manual shut-off valves in the rims. Included in delivery: AIRBOX/drive single-line rotary unions, bracket set for installing the rotary unions, number of shut-off valves for screwing into the rims equal to the number of wheels on the vehicle, pneumatic control with main regulator valve and pressure gauge console, cabin control console, wiring, conductive material, installation manual.	Analog Control 3 2 1	
2-Line RDS/GW dual-line system for drilled axles, e.g., BPW, ADR or FAD; lines installed in the axles. Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves. Included in delivery: RDS dual-line rotary unions for drilled trailer axles, number of shut-off valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	Digital Control 4 3 2 1	
2-Line AIRBOX/drive GW dual-line system for undrilled axles; lines installed around and over the wheel Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves. Included in delivery: AIRBOX/drive dual-line rotary unions, bracket set for installing the rotary joints, number of wheel valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	Digital Control 4 3 2 1	
2-Line 2-Line RDS/GW dual-line system for drilled axles, e.g., BPW, ADR or FAD; lines installed in the axles. Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves. Included in delivery: RDS dual-line rotary unions for drilled trailer axles, number of shut-off valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	Digital Control 2 x 3 2 x 2	
2-Line 2-Line AIRBOX/drive GW dual-line system for undrilled axles; lines installed around and over the wheel Rotary unions and lines depressurized when not actively regulating pressure; automatic wheel valves. Included in delivery: AIRBOX/drive dual-line rotary unions, bracket set for installing the rotary joints, number of wheel valves for screwing into the rims equal to the number of wheels on the vehicle, digital control (ERV, RDS/control operating unit and wiring) installation manual.	Digital Control 2 x 3 2 x 2	
ISOBUS	Surcharge for ISOBUS control incl. connection cable for 2-line technology	

NOTE!

Please specify the axle-type within your order.

The necessary axial installation space for RDS rotary unions in front of the grease cap is 80 mm.

The necessary installation space for AIRBOX/drive rotary unions is approx. 125 mm on both sides.

Please be sure to comply with the approved total width of the vehicle.

NOTE!

When ordering for vehicle with digital control: If the towing vehicle already has a digital control console, the system can also be purchased without a control console. In this case, the price reduction for the system is 300,00 Euro.

Discount for systems without compressor control 400,00 Euro.



Tyre Inflation Systems for adjusting tyre pressure while in motion

Air supply systems, including hydraulic motor, control, air filter, e.g. for slurry tankers and trailers



Product	V2000	V4000
Type	Vane compressor	Vane compressor
Dimensions	Length: 750 mm Width: 310 mm Height: 500 mm	Length: 920 mm Width: 410 mm Height: 600 mm
req. hydr. oil pressure	55 L/min	75 L/min
effective output	2.000 L/min	4.000 L/min
Max. compressor rpm	2.750 rpm	2.750 rpm
filling time*	approx. 4 min	approx. 2 min

* filling time: 1.5bar -> 3.5 bar 4 tyres 750/60-30.5. ** K500 available upon request for smaller tyre sizes.

NOTE!

Hydraulic lines and screw connections are not included in the scope of delivery.

Air supply system available only in combination with a tyre pressure regulating system; compressor is in no way usable for air brake systems.

NOTE!

Additionally required parts and/or labor:

Console for installing the additional compressor.

Air reservoir (minimum 20 L, 40 L recommended) (required for the automatic turn on and off of the compressor system).

Hydraulic solenoid (possibly restrictor valve for the piston compressor's speed limitation) for releasing the oil pressure to the hydraulic drive.

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Tyre Inflation Systems for adjusting tyre pressure while in motion

Accessories for air supply systems

Part number, product description

 <p>PTG-X-310-002 Load Sensing 3/4" solenoid valve set e.g. for the screw compressor S4000 or the vane compressor V2000/V4000</p>	 <p>PTG-X-717-009 5 m roll of compressor pressure hose, Øi 19 mm</p>
 <p>PTG-X-310-011 Open Center 3/4" solenoid valve set e.g. for the vane compressor V2000/V4000</p>	 <p>PTG-X-730-030 Air supply line for additional compressor Tractor side for quick filling of the tractor wheels</p>
 <p>PTG-X-480-017 20 L air reservoir with two tank belts and drainage valve, e.g. for the vane compressor V2000</p>	 <p>PTG-X-730-031 Air supply line for additional compressor Slurry tanker side/trailer side for rapid filling of the tractor wheels</p>
 <p>PTG-X-480-021 20 L air reservoir with two tank belts and fittings suited for the vane compressor V2000AS</p>	 <p>PTG-X-730-060 Air supply line additional compressor - large version - tractor side, for supplying a trailer with the additional compressor on the tractor</p>
 <p>PTG-X-480-009 40 L air reservoir with two tank belts and drainage valve, e.g. for the vane compressor V4000</p>	 <p>PTG-X-730-061 Air supply line auxiliary compressor - large version - slurry tanker side/trailer side, for supplying a trailer with the additional compressor on the tractor</p>
 <p>PTG-X-870-077 Automatic drainage valve for additional air reservoir</p>	
 <p>PTG-X-320-061 Attachment kit V2000 Compressor frame with bonnet</p>	
 <p>PTG-X-320-062 Attachment kit V4000 Compressor frame with bonnet</p>	
 <p>PTG-X-717-006 3 m roll of compressor high pressure hose, Øi 19 mm</p>	

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Tyre Inflation Systems for adjusting tyre pressure while stationary

AIRBOOSTER®plus



Part number, product description

PTG-Y-100-011 AIRBOOSTER®plus

Tyre inflation and fast deflation set in portable carry case (l x w x h: 27.5 x 23 x 8.5 cm) for manually adjusting individual tyre pressure while stationary.

Included in delivery:

1 carrying case, 1 handheld unit with 0 – 4 bar pressure gauge and ball valve, 4 PTG screw-mountable nipples with protective caps and gasket sets, 1 coupling head for the trailer brake connection, 1 filling hose with built-in pressure limiter, 1 valve adapter.

Replacement parts and accessories

Part number, product description,



PTG-X-735-020

4 PTG screw-mountable nipples, incl. protective caps



PTG-X-620-060

Pressure relief valve for filling hose



PTG-X-900-041

1 SK12 protective cap with cord and loop



PTG-X-010-013

1 passenger vehicle adapter for connecting the AIRBOX/mobil plus to normal wheel valves (e.g. on passenger vehicles, trailers, etc.)



PTG-X-650-044

4 M12x1,5 rim connectors for drilling the screw-mountable nipples directly into the rim



PTG-X-010-011

1 valve adapter (as included in delivery of AIRBOX/mobil)



PTG-X-890-005

1 screw tap (M12 x 1.5) for the PTG-X-650-044 rim connector



PTG-X-735-021

Two way adapter, for using the AIRBOX spiral hose with the conventional AIRBOOSTER couplings



PTG-X-020-026

1 trailer brake coupling head with compressed air coupling



PTG-X-060-009

Fast deflator with pressure gauge, 0 – 4 bar, 1/10 bar gauger



PTG-X-651-014

1 air/water valve (metal base, for tubeless tyres)



PTG-X-510-017

Replacement pressure gauge 0 – 4 bar with blue protective cap



PTG-X-711-001

1 filling hose with overpressure protection, male coupling and coupling, 8 m



PTG-X-711-003

1 connector hose, AIRBOX/mobil with male coupling and locking coupling, 10 m

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Tyre Inflation Systems for adjusting tyre pressure while stationary

AIRBOX/mobil



Part number, product description

PTG-Y-130-004 AIRBOX/mobil plus

Tyre pressure regulating unit in portable carry case (l x w x h: 460 x 350 x 160 mm) suited for all tractors.

Included in delivery:

1 aluminum carrying case with built-in control and regulating unit, 0 – 2.5 bar regulating range (0 – 6 bar also available), precision regulator, 2 integrated spiral hoses (approx. 4 m operating length), 4 PTG screw-mountable nipples with protective caps, 1 coupling head for the trailer brake connection with built-in compressed air coupling, 1 connector hose tailored with customary plug-in connections, 1 valve adapter.





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