

**Tyre gauge and
measuring systems**



Blitz[®]

Portable tyre pressure regulator
Stationary tyre pressure regulator

Portable tyre pressure regulator with hose connection – Control directly on the vehicle

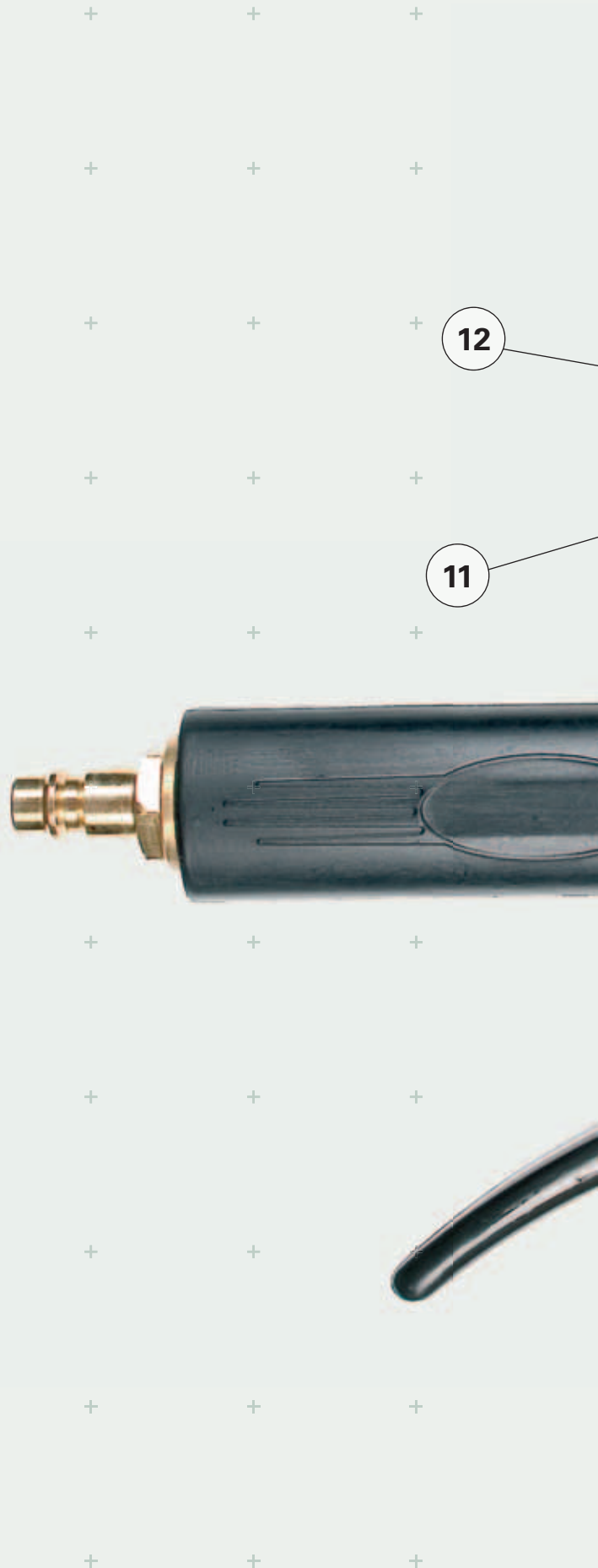
Portable tyre pressure regulators with hose connection are continuously connected with the compressed air network. This makes them excellent for complete first-time filling of tyres.

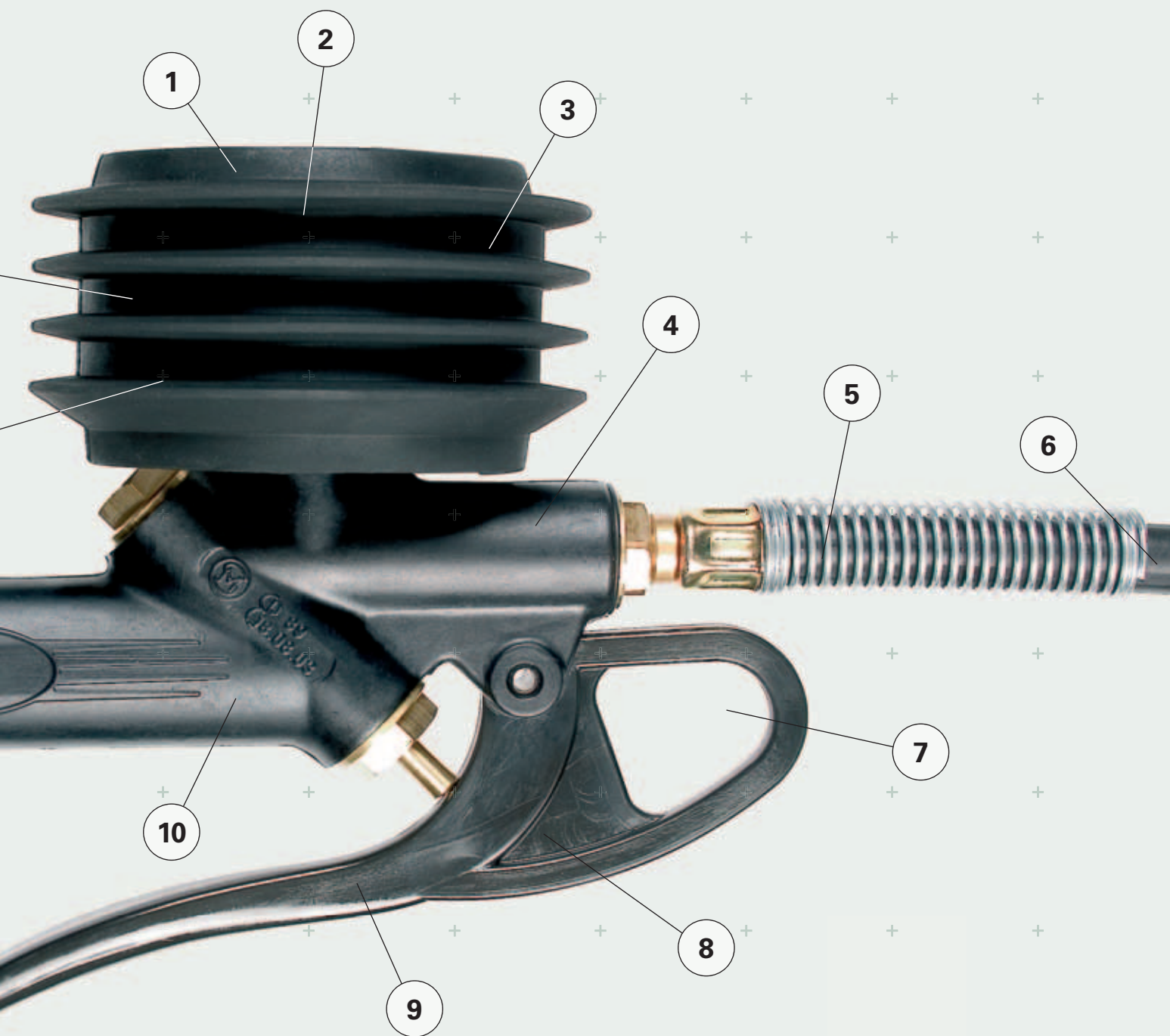
With single lever operation¹ suitable for both right- and left-handed users, air pressure can be checked, filled, and released directly and intuitively on the vehicle. The precision pressure gauge integrated into the tyre pressure regulator makes all necessary information available continuously and reliably.

The FLEX4 protective rubber cap reliably protects the sensitive mechanics of the pressure gauge from external forces. Because materials have been selected to optimise weight (primarily light aluminium alloys and impact-resistant plastics are used) overall weight is reduced to a minimum.

Taken together, these measures ensure an absolutely reliable tyre pressure regulator.

¹ The Pneumax model features air release with a control key.





Overview of details

● **1. FLEX4 protective rubber cap:** Reliably protects the mechanics of the precision pressure gauge against external forces. ● **2. Protection against excess pressure:** Integrated protective mechanisms prevent damage to the pressure gauge if excess pressure is accidentally supplied. ● **3. Easy to read precision pressure gauge:** The numeric page¹, 80 mm in size, offers ample space for large lettering that is easy to read. ● **4. Design optimised for weight:** Use of light aluminium alloys and impact-resistant plastics reduces the overall weight to a minimum. ● **5. Integrated anti-kinking protection²:** Stabilises the filling hose at the output, thus ensuring a long service life and significantly less wear. ● **6. Filling hose 500 mm long³:** Ideal even for reaching valves that are poorly accessible – while still retaining freedom of movement at all times. ● **7. Integrated hanging ring²:** The hanging ring built into the control lever allows for fast easy supply of tyre pressure regulators. This effectively eliminates tripping over hoses lying on the floor in the work area. ● **8. Ergonomic design:** The compact dimensions with optimally legible precision pressure gauge are designed for use by right- or left-handed users with large as well as small hands. ● **9. Lever**

operation⁴: All control functions can be activated with one hand: checking filling and releasing air. ● **10. PTB approval⁵:** All BLITZ tyre pressure regulators are approved by the Germany Federal Physikalisch-Technische Bundesanstalt of Braunschweig (PTB). ● **11. Wide Operating Temperature Range⁶:** The ceramic sensor enables precise measurement at high as well as low temperatures. ● **12. Low power consumption⁶:** Internal power supply via 3V button cell battery (CR2450). Battery life approx. 2 years.

¹ For Pneumax model 63 mm, for Pneurex S2 Digital, a 20mm LCD display

² Not Pneumax model.

³ For Pneumax model 300 mm.

⁴ The Pneumax model features air release with a control key.

⁵ Not the Pneumax or PneuJet models.

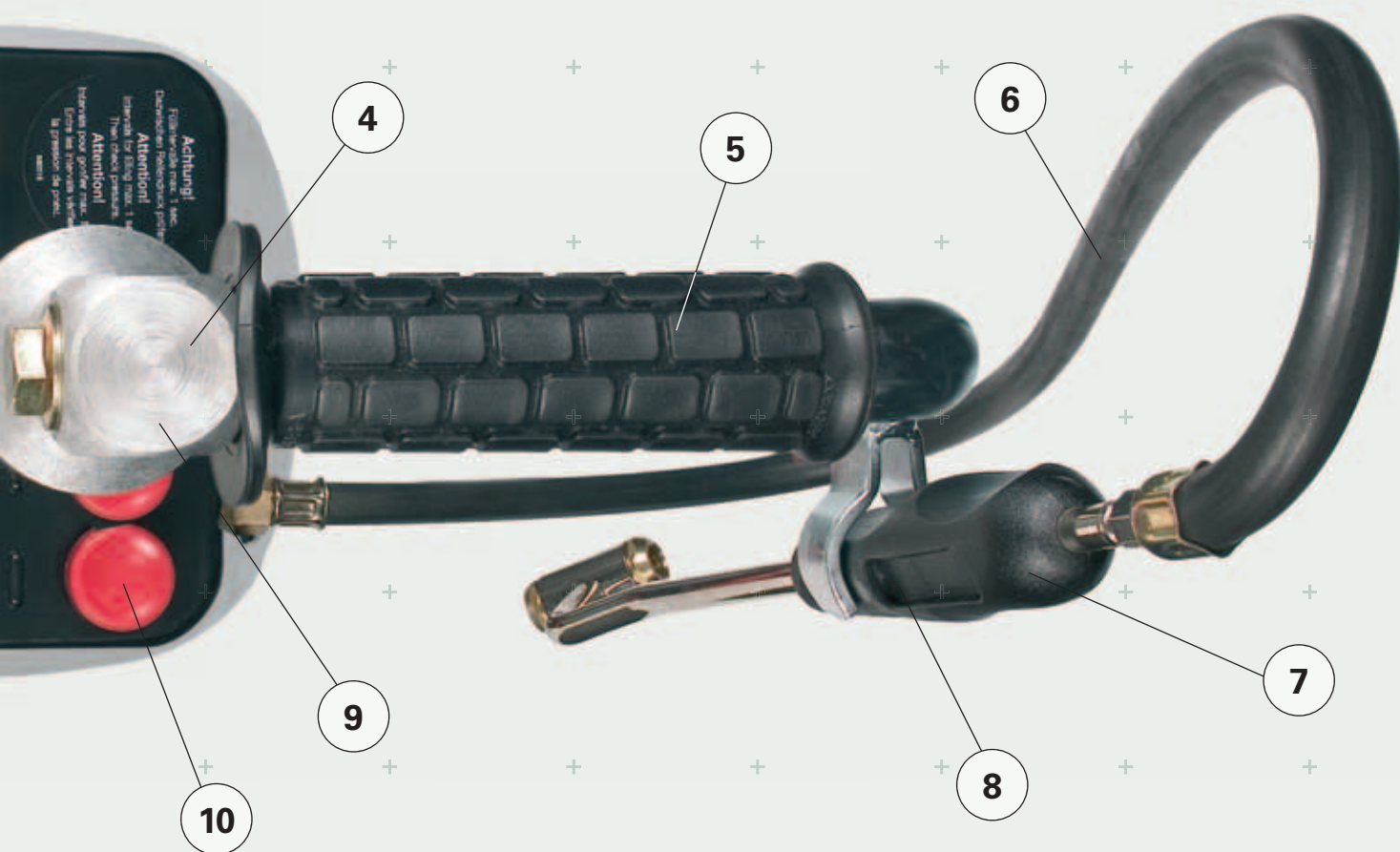
⁶ For Model Pneurex S2 Digital.

Portable tyre pressure regulator with storage reservoir – freedom of movement with no hoses

Portable tyre pressure regulators with storage reservoir always carry compressed air on board. For example see Pneustar 2 carries 6 litres. This guarantees absolute freedom of movement when filling tyres. There is no need for annoying hose connections. Refilling the storage reservoir with compressed air is no less convenient. Simply place the filling bell on the filling valve included with delivery and you're ready! This also leaves the tyre filling measurement unit tidy and ready for other uses at all times.

The two buttons available for checking, filling, and releasing air are large, easy to adjust and especially considerate of fingernails. The precision pressure gauge, with a diameter of 160 mm, shows at a glance whether compressed air needs to be added or released. The double-sided service station connector makes the actual connection with the valve. The special design makes it easy to work in hard to reach places and your hands always stay clean.





Overview of details

● **1. Diagonally positioned precision pressure gauge (ø 160 mm):** Supplies an optimal flow of water. Clearly legible with no reflection. ● **2. Compressed air storage reservoir¹:** Portable compressed air supply in galvanised design with 6 l filling volume. ● **3. Replaceable safety disk:** The key is an easy-to-use instrument – to reduce maintenance costs. ● **4. Filling bell and pressure gauge are widely separated¹:** This protects the precision pressure gauge when the tyre pressure regulator is lifted off of the filling mechanism. ● **5. Ergonomic rubber carrying handle:** The easy-to-grip material is specially designed for skin contact and provides pleasant carrying convenience for the tyre pressure regulator. ● **6. 800-mm-long filling hose:** Together with a standard double-sided service station connector, provides optimal access even to valves that are difficult to reach – while your hands always stay clean. ● **7. Design optimised for weight:** Use of light aluminium alloys and impact-resistant plastics reduces the overall weight to a minimum. ● **8. Protect-**

ed against excess pressure to 16 bar: Integrated protective mechanisms prevent damage to the pressure gauge if excess pressure is accidentally supplied. ● **9. Automatically filling mechanism¹:** The resetting device consists of a filling bell and filling valve (matching piece) and serves at the same time as external protection for the tyre pressure regulator. ● **10. Two-button control:** The easy-to-adjust control buttons, used for filling and releasing air, are protected against water and dust. ● **11. PTB approval:** All BLITZ tyre pressure regulators are approved by the Germany Federal Physikalisch-Technische Bundesanstalt of Braunschweig (PTB). ● **12. Elastomer cushioning legs:** The cushioning properties of the material protect the pressure gauge when it is set down roughly. ● **13. Low centre of gravity:** This intelligent design feature ensures the unit is highly resistant to tipping over.

¹ Not Pneutest model.

Stationary tyre pressure regulator – in electronic and analogue design

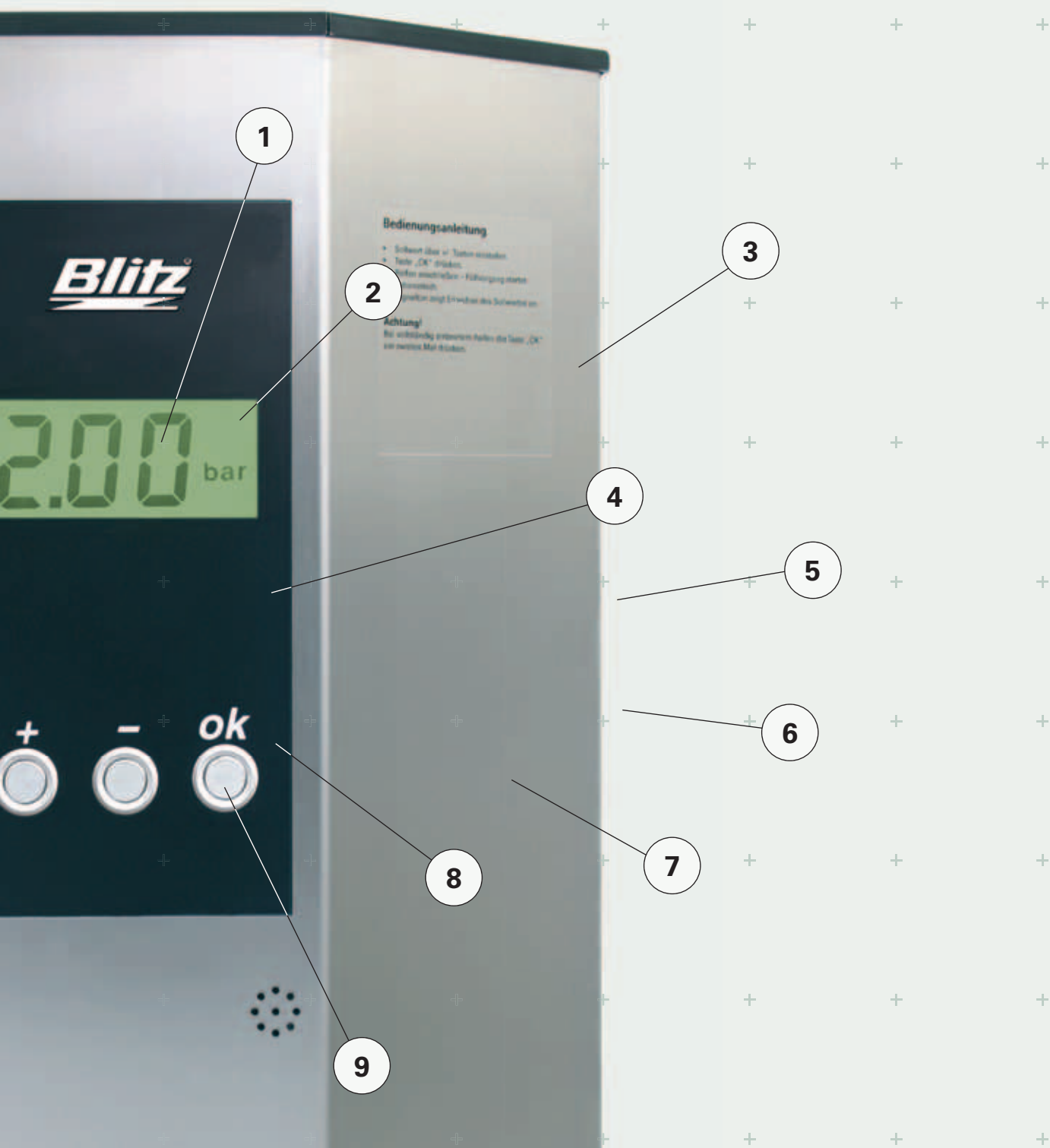
Stationary tyre pressure controllers can be fastened in place either with a standing column on the floor or directly on the wall. Physically separating the tyre pressure regulator and the tyre that is being filled is especially recommended by Employer's Liability Insurance Associations, for example for truck tyres with pressures over 3.3 bar¹.

Three different versions are possible for controlling the processes of filling and releasing air: Automatic 3 models have an automatic filling and checking system. The desired tyre pressure can be selected on the device with short-stroke keys. Then the filling process starts automatically. In models of the Pneutruck series, the plus and minus keys on the unit are used for operation.

Models of the Automaster 3 series offer a number of special features. An adjustable additional pressure makes it possible to achieve the required set pressure for tyre mounting. After the nominal value has been reached, the filling process ends automatically.

¹ Accident Prevention Regulation 1 § 18, wholesale and storage trade association.





Overview of details

● **1. Back-lit LCD display¹:** The alphanumeric LCD screen offers especially high contrast, which makes it easy to read. It is used to display target and actual values as well as various items of status information. ● **2. Precision pressure gauge with large numeric page²:** Ensures excellent legibility, even from further away. ● **3. Sturdy and corrosion-resistant:** Stationary tyre pressure regulators have sturdy casing and operating elements protected against vandalism. The walls support or standing column are either galvanized or, for the Automatic 3, made of stainless steel. All electronic components of Automatic 3 models are enclosed in a cast weather-proof compartment. ● **4. Self diagnostics¹:** A built-in microcontroller constantly monitors all components. This ensures that malfunctions or leaks are detected quickly and displayed on the LCD screen. ● **5. Retaining bracket:** The ample dimensions make it easier to set the filling hose in place when it is not being used. ● **6. Long filling hose:** A length of 8 m (Automaster 3), 10 m

(Automatic 3) or 12 m provides optimal freedom of movement. ● **7. PTB approval:** All BLITZ tyre pressure regulators are approved by the Germany Federal Physikalisch-Technische Bundesanstalt of Braunschweig (PTB). ● **8. Designed for service¹:** The development concept of the Automatic 3 and Automaster 3 series places great emphasis on optimal accessibility. The modular layout of the tyre pressure regulator is designed to ensure this accessibility. ● **9. Short-stroke keys¹:** Short-stroke keys make it easy and especially quick to set the desired target value.

¹ Automatic 3 and Automaster 3 models only.

² Pneutruck models only.

Model	Max. filling pressure		Compr. air supply min./max.	Deviation bar	Pressure gauge ø mm	Hose length mm	Valve adapter	Dimensions			Weight kg
	bar	psi						T	B	H	
	mm	mm						mm	mm	mm	

Portable tyre pressure regulator, Pneumax

Max. filling pressure 10 bar, with hose connection, not calibratable

Pneumax	10/140	10	*	63	300	①	150	90	160	0,8
Pneumax Kombi	10/140	10	*	63	300	① ②	150	90	160	0,8

Portable tyre pressure regulator, Pneuex

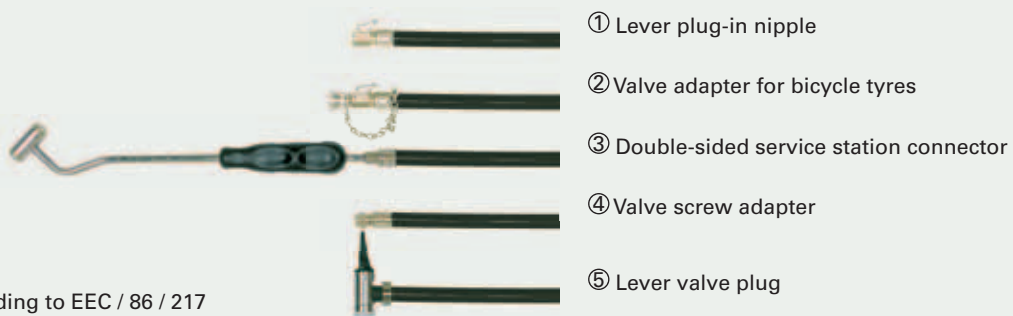
Max. filling pressure 12 bar, with hose connection, calibratable

Pneuex	4/58	4	*	80	500	①	240	100	170	0,9
	12/170	12	*	80	500	①	240	100	170	0,9
Pneuex Kombi	4/58	4	*	80	500	① ②	240	100	170	1,0
	12/170	12	*	80	500	① ②	240	100	170	1,0
Pneuex 1	4/58	4	*	80	500	③	240	100	170	1,0
	12/170	12	*	80	500	③	240	100	170	1,0
Pneuex 2	4/58	4	*	80	500	⑤	240	100	170	1,0
	12/170	12	*	80	500	⑤	240 </td <td>100</td> <td>170</td> <td>1,0</td>	100	170	1,0

Portable tyre pressure regulator, Pneujet

Max. filling pressure 25 bar, with hose connection, not calibratable

Pneujet	25/350	25	*	80	500	④	240	100	170	1,0
Pneujet 1	25/350	25	*	80	500	③	240	100	170	1,0



* Reading accuracy according to EEC / 86 / 217



Pneumax

Portable tyre pressure regulator with FLEX4 protective rubber cap, 300 mm filling hose and precision pressure gauge ø 63 mm.

Typical applications

- At home and for hobbies



Pneuex

Portable high-performance tyre pressure regulator with FLEX4 protective rubber cap, single lever control, 500-mm filling hose and calibratable precision pressure gauge ø 80 mm.

Typical applications

- Car and truck workshops
- Tyre speciality stores
- Vehicle fleet operations



Pneujet

Portable high-performance tyre pressure regulator with FLEX4 protective rubber cap, single lever control, 500-mm filling hose and precision pressure gauge ø 80 mm.

Typical applications

- Tyres with special pressure requirements, for example aircraft tyres



Model	Max. filling pressure	Compr. air supply	Deviation	Pressure gauge \varnothing / LCD Displ.	Hose length	Valve adapter	Dimensions			Weight
		min./max.					T	B	H	
	bar/psi	bar	bar	mm	mm		mm	mm	mm	kg

Portable tyre pressure regulator, Pneustar 2

Max. filling pressure 10 bar, with storage reservoir, calibratable

Pneustar 2	10/140	15	*	160	800	③	270	200	670	6,1
Pneustar 2 N₂	10/140	15	*	160	800	③	270	200	670	6,1

Portable tyre pressure regulator, Pneutest

Max. filling pressure 10 bar, with hose connection, calibratable

Pneutest	10/140	10	*	160	800	③	270	200	560	5,5
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③ Double-sided service station connector

Portable electronic tyre pressure regulator, Pneurex S2 Digital

Max. filling pressure 12 bar, with hose connection, calibratable

Pneurex S2 Digital	12/170	12	< 0,08	20	500	①	240	100	170	0,9
Pneurex S2 Kombi Digital	12/170	12	< 0,08	20	500	① ②	240	100	170	1,0
Pneurex S2 1 Digital	12/170	12	< 0,08	20	500	③	240	100	170	1,0
Pneurex S2 2 Digital	12/170	12	< 0,08	20	500	⑤	240	100	170	1,0



① Lever plug-in nipple

② Valve adapter for bicycle tyres

③ Double-sided service station connector

⑤ Lever valve plug

* Reading accuracy according to EEC / 86 / 217



Pneurex S2 Digital

Portable high-performance tyre pressure regulator with FLEX4 protective rubber cap, ceramic sensor, single lever control, 500-mm filling hose and a big LCD display of 20 mm. Internal power supply via 3V button cell (CR2450), battery life approx. 2 years.

Typical applications

- Car and truck workshops
- Tyre speciality stores
- Vehicle fleet operations



Pneustar 2 Pneustar 2 N₂

Portable tyre pressure regulator with compressed air storage reservoir, 500-mm filling hose, and precision pressure gauge \varnothing 160 mm.

Typical applications

- Service stations
- Direct connections in automotive workshops



Pneustar 2 N₂



Pneutest

Portable tyre pressure regulator with with hose connection, 500-mm filling hose, and precision pressure gauge \varnothing 160 mm.

Typical applications

- Car and truck workshops
- Vehicle fleet operations



Model	Max. filling pressure	Compr. air supply min./max.	Deviation	Pressure gauge	Electric connection	Valve adapter	Dimensions			Weight
	bar/psi	bar	bar	m	V/Hz (VA)		T mm	B mm	H mm	

Electronic tyre pressure regulator, Automatic 3

Max. filling pressure 9.5 bar, calibratable

Automatic 3 W 5,5	5,5/-	7/16	< 0,08	10	230/50 (12) ①		170	340	330	9,3
Automatic 3 W 9,5	9,5/-	12/16	< 0,08	10	230/50 (12) ①		170	340	330	9,3
Automatic 3 S 5,5	5,5/-	7/16	< 0,08	10	230/50 (12) ①		170	340	1300	23,7
Automatic 3 S 9,5	9,5/-	12/16	< 0,08	10	230/50 (12) ①		170	340	1300	23,7

Electronic tyre pressure regulator, Automaster 3

Max. filling pressure 9.5 bar, with setting pressure function, calibratable

Automaster 3 W 5,5	5,5/-	7/16	< 0,08	8	230/50 (12) ①		170	340	330	9,3
Automaster 3 W 9,5	9,5/-	12/16	< 0,08	8	230/50 (12) ①		170	340	330	9,3



① Lever plug-in nipple



Automatic 3

Stationary electronic tyre pressure regulator with short-stroke keys to select the desired tyre pressure, automatic filling and checking system, 10-meter spiral hose, and backlit LCD screen.

Typical applications

- Service stations
- Truck workshops
- Tyre speciality stores
- Vehicle fleet operations
- Truck and bus operations
- Shipping services
- Towns and cities



Automaster 3

Stationary, electronic tyre pressure regulator, specially designed for tyre mounting with adjustable additional pressure to reach setting pressure, automatic filling and checking system, eight-meter smooth hose, and backlit LCD screen.

Typical applications

- Service stations
- Truck workshops
- Tyre speciality stores
- Vehicle fleet operations
- Truck and bus operations
- Shipping services
- Towns and cities



Illustration similar

Model	Max. filling pressure	Compr. air supply min./max.	Deviation	Pressure gauge ø	Hose length	Valve adapter	Dimensions			Weight
	bar/psi	bar	bar	mm	m		T mm	B mm	H mm	

Stationary tyre pressure regulator, Pneutruck

Max. filling pressure 10 bar, calibratable

Pneutruck W 10	10/140	10	*	160	12	⑤	205	195	485	9,0
Pneutruck S 10	10/140	10	*	160	12	⑤	205	195	1495	25,2



⑤ Lever valve plug

* Reading accuracy according to EEC / 86 / 217



Pneutruck

Stationary tyre pressure regulator with plus/minus keys for filling and releasing processes, 12-meter smooth hose and precision pressure gauge ø 160 mm.

Typical applications

- Service stations
- Truck workshops
- Tyre speciality stores
- Vehicle fleet operations
- Truck and bus operations
- Shipping services
- Towns and cities



Tyre pressure regulators from BLITZ

In addition to the design, there are a number of other factors that should be taken into account when selecting a tyre pressure regulator. We'd like to describe some of the most important ones briefly below.

● **1. Usability – user-friendliness:** Especially in the case of service stations, the typical target public must be taken into consideration. For example, low weight and larger control buttons are important factors for women – little things that make the process of checking and filling enormously easier. Of course positive experiences with services offered by a service station cast a positive light on the station and its operators. ● **2. Quality – sturdy design:** If a tyre pressure regulator is available to the general public, you have to count on a certain amount of “unavoidable vandalism”. But tyre pressure regulators must also meet demands even in typical workshop environments. They're almost certain to be dropped at least once. FLEX4 protective rubber caps or shock-absorbing elastomer cushioning legs prevent more serious damage from occurring in this case. ● **3. Spare parts warranty – recalibration:** A complete supply of spare parts is important specifically because of the risk of vandalism. The same applies to recalibration. The initial calibration, which has often been performed already in the factory, is valid for a period of 2 years. Many economical devices on the market cannot be recalibrated after that point because of their relatively simple design. ● **4. Safety – new technologies:** The importance of correct tyre pressure is frequently underestimated. Incorrect tyre pressure and is one of the most frequent causes of accidents. BLITZ tyre pressure regulators are designed to make tyre pressure monitoring as simple as possible through ergonomics and use of the latest technologies.

