USER MANUAL

MINI ELECTRIC PUMP 120 PSI, LED GAUGE

Pocket compressor with auto-stop for road, gravel, MTB, city and electric bikes: LED display with actual pressure, target, unit and battery, Presta, Schrader and ball adapters.

REF. PUMPBL09B2 · 120 PSI · PRESTA, SCHRADER, BALL · AUTO-STOP



01 · BEFORE YOU START

WHAT'S IN THE BOX & FIRST STEPS

ITEM	QTY	PURPOSE
Mini electric pump	1	Compressor, LED display, battery
Inflation hose	1	Between the pump and the valve
Presta adapter	1	Narrow valves (road, gravel, MTB)
Schrader adapter	1	Wide valves (MTB, city, e-bikes)
Ball needle	1	Football, basketball, volleyball



The pump and its accessories: Presta and Schrader adapters, ball needle, inflation hose.

What this pump does

It inflates up to the **pressure you have programmed**, then stops on its own. The LED display shows the actual tyre pressure, the target pressure, the selected unit and the battery level all at once: you watch the inflation progress in real time. With a 120 PSI maximum it covers road, gravel, MTB, city and e-bike tyres; a 700 × 25 road tyre goes from flat to riding pressure in about 50 s, depending on conditions. It fits in a jersey pocket, a saddle bag or a backpack.

Specifications

Max. pressure	**120 PSI**	Display	**High-definition LED screen**
Measurement	**Real-time pressure**	Function	**Auto-stop at the target**
Units	**PSI or bar selectable**	Battery	**Rechargeable, level on screen**
700 × 25C inflation	**≤ 50 s depending on conditions**	Valves	**Presta, Schrader, ball**

SAFETY

- The pump body, hose and adapter **get hot** while inflating: hold the pump by its shell, unscrew the adapter by its collar and let it cool between two tyres inflated from flat.
- Never exceed the maximum pressure moulded on the tyre sidewall, even though the pump can go higher.
- Lithium battery: charge from a standard USB charger, never in a car in the sun or near a heat source. Do not open or pierce it.
- Do not immerse the pump and do not cover its vents while it is running.
- Keep the needle and small adapters out of children's reach.

BEFORE THE FIRST RIDE

Charge the pump fully and try it at home on each of your bikes: you will know which adapter to use and which target to set before you need it at the roadside.

02 · GETTING STARTED

CONTROLS, DISPLAY, ADAPTERS

The controls

Power	Switches the pump and display on, starts and interrupts inflation.
+ and –	Raise or lower the target pressure before you start.
LED display	Actual pressure, target pressure, unit (PSI or bar) and battery level, shown together.

What this manual does not cover

The pump lets you choose the unit, PSI or bar, but this manual does not detail the press sequence for switching it or for confirming the target. Do a first test on an already inflated tyre to get used to your unit. If a control does not match this manual, write to us via velkyne.com/contact and we will reply with the details.

CHECK THE UNIT BEFORE YOU START

1 bar = 14.5 PSI. A target of 6 set in PSI instead of bar leaves the tyre almost flat; always read the unit shown next to the figure and compare it with the sidewall marking.



On the pump outlet: the Presta adapter or the Schrader adapter. The hose for Schrader valves, the needle for a ball.

Fit the right adapter

1. **Identify the valve.** Presta: narrow valve with a small nut to unscrew at the tip (road, gravel, most MTBs). Schrader: wide valve, as on a car (entry-level MTBs, city bikes, some e-bikes).
2. **Screw the matching adapter** onto the pump outlet, with the hose if you want some reach, by hand, without forcing: the seal does the sealing, not the torque.
3. **For a ball,** screw on the needle, moisten it and push it straight into the ball valve.

03 · PROCEDURE

INFLATING A TYRE

1. **Open the valve.** Presta: remove the cap, unscrew the small nut all the way and press it for a second, a puff of air confirms the valve is free. Schrader: just remove the cap.
2. **Screw the adapter onto the valve,** straight in line, until it stops leaking. On a Presta valve do not bend the stem: it is fragile. Support the pump by hand rather than letting it hang from the valve.
3. **Switch on and programme the target** with + and −, from the tyre sidewall or the table opposite. Check the unit shown.
4. **Start inflating.** The pump runs, the display shows the actual pressure climbing towards the target, and everything stops on its own. Hold the pump by its shell, without pulling on the hose.
5. **Unscrew the adapter straight away,** by its collar: it is hot. A short hiss on removal is normal. Tighten the Presta nut, put the cap back.
6. **Check by hand** and, if in doubt, screw the adapter back on: the display shows the actual tyre pressure. Adjust in small steps.

Pressure guide

USE	PSI	BAR
Road, 25 to 28 mm	75 to 95	5.2 to 6.5
City, hybrid, e-bike, 35 to 47 mm	50 to 70	3.4 to 4.8
Gravel, 38 to 45 mm	35 to 55	2.4 to 3.8
MTB, 2.2 to 2.4 in	22 to 32	1.5 to 2.2
Football	9 to 15	0.6 to 1.1

General guide values. The range moulded on the tyre sidewall prevails; rider weight, actual width and tubeless set-ups shift it. 1 bar = 14.5 PSI.

TUBELESS TYRES

Put the valve at the top of the wheel so sealant does not flow back into the adapter. This pump adjusts the pressure of a tubeless tyre already fitted; to seat a new tyre on its rim you need the flow of a compressor or a charger pump.

ONCE A WEEK

A tyre naturally loses a few PSI a day. A weekly check, a few seconds of top-up, avoids both the under-inflated tyre that pinches on the first kerb and the over-inflated tyre that bounces.

04 · LONG TERM

BATTERY, CARE, TROUBLESHOOTING

Battery

- Charge from a standard USB charger until the battery indicator on the display shows full.
- Charge before a ride rather than after it fails: the on-screen indicator avoids surprises.
- If the pump sits unused for months, top it up every two or three months and store it away from frost and heat.

Care

- Wipe the pump and adapters after use; a damp cloth is enough, never a solvent.
- Rinse an adapter that has taken tubeless sealant with water, then dry it.
- Store it dry, with its hose and adapters, in a saddle bag or backpack.

If something goes wrong

SYMPTOM	LIKELY CAUSE, FIX
The pump does not switch on	Flat battery: charge it
Display stays at zero on an inflated tyre	Adapter not tight or Presta valve closed: open the nut, re-tighten
Air leaking at the adapter	Adapter crooked or seal dirty: unscrew, clean, screw back straight
Stops before the target	Hot pump or low battery: let it cool, recharge, start again
Tyre goes down afterwards	Presta nut or cap not closed; otherwise a punctured tube or tyre

On video

Independent tutorials on inflating and pressure, scan to watch.

How to inflate a bike tire with a Presta or Schrader valve
The Mark List · English

How to pump a Presta valve
Cycle Maintenance Academy · English

Need help?

velkyne.com/contact
Our team answers your questions about use, adapters and the battery.

Programme it, start it, let it work.
The right pressure is not the highest one: it is the sidewall range, adjusted to your weight and the terrain. The pump takes care of the rest.