USER MANUAL

MINI ELECTRIC PUMP 150 PSI, 165 G

Pocket compressor with auto-stop for bikes, motorbikes and balls: four modes including a free setting, digital display, LED light, USB-C charging.

REF. PUMPTX11 · 150 PSI · ±1 PSI · ≈ 165 G · USB-C



01 · BEFORE YOU START

WHAT'S IN THE BOX & FIRST STEPS

ITEM	QTY	PURPOSE
Mini electric pump	1	Compressor, digital display, battery, LED light
Flexible hose with Schrader head	1	Connects the pump to the valve; Schrader valves directly
Presta adapter	1	Screws onto the head for Presta valves
Sealing washer	1	Spare seal for the head
Ball needle	1	Footballs, basketballs, volleyballs
USB-C cable	1	Charges from any USB charger

What this pump does

It inflates up to the **pressure you have set**, then stops on its own, to within ±1 PSI (0.1 bar). The display shows the pressure in real time and the battery level. Three preset modes (bike, motorbike, ball) and a manual mode cover 3 to 150 PSI: road bikes, MTB, city bikes, motorbikes and balls. A brushless motor takes a 700 × 25 road tyre from 0 to 120 PSI in about 97 seconds, and an LED light lights up the valve at night.

Specifications

Max. pressure	**150 PSI (≈ 10.3 bar)**	Accuracy	**±1 PSI (0.1 bar)**
Motor	**Brushless**	Battery	**600 mAh (4.44 Wh)**
Charging	**USB-C (5 V, 1.5 A)**	Height	**83 mm**
Weight	**≈ 165 g**	Valves	**Presta, Schrader, ball**



The hose's Schrader head screws straight onto a Schrader valve; for a Presta valve, the adapter goes between the head and the valve.

SAFETY

- The pump body, hose and head **get hot** while inflating: hold the pump by its shell, unscrew the head 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 whether you need the Presta adapter and which target to set before you need it at the roadside.

02 · GETTING STARTED

CONTROLS, DISPLAY, MODES

The four-way button

Power	The top button switches the pump and display on, starts and interrupts inflation.
+ and –	The two side buttons raise or lower the target pressure before you start.
Bottom button	Gives access to the inflation modes and the LED light.
Display	Pressure in large digits, unit, battery level and the icon of the active mode (bike, motorbike, ball).

What this manual does not cover

The exact sequence for switching units (PSI or bar), changing mode or turning on the light is not detailed in this manual. 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.

The four modes

MODE	RANGE	STARTING VALUE
Bike	30 to 150 PSI	45 PSI
Motorbike	25 to 51 PSI	35 PSI
Ball	4 to 16 PSI	8 PSI
Manual	3 to 150 PSI	free setting

The starting value is only a starting point: set the target to your own tyre pressure with + and –. Manual mode covers anything outside the preset ranges, a gravel tyre at 25 PSI for instance.

LED LIGHT

The built-in light lights up the valve for a roadside fix at night. It is not a substitute for a riding light.

THE HEAD SEAL

A head that leaks despite being screwed on straight often has a worn or dirty seal. Clean it first; if it is marked, replace it with the spare seal supplied.

Fit the right head

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, motorbikes).
2. **Screw the hose onto the pump,** by hand, without forcing: the seal does the sealing, not the torque. Schrader valve: the hose head is enough. Presta valve: screw the Presta adapter onto the head.
3. **For a ball,** screw the needle onto the head, 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 head onto the valve,** straight in line, until it stops leaking. On a Presta valve do not bend the stem: it is fragile.
3. **Switch on, pick the mode** then set the target with + and −, from the tyre sidewall or the table opposite. Check the unit.
4. **Start inflating.** The pump runs, the display tracks the pressure and everything stops on its own at the target. Hold the pump by its shell, resting or in hand, without pulling on the hose.
5. **Unscrew the head 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 head back on: the display shows the actual tyre pressure. Adjust in small steps.

Pressure guide

USE	PSI	BAR
Road, 25 to 28 mm tyre	75 to 95	5.2 to 6.5
City, hybrid, 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 head. 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.

BIG INFLATIONS

A road tyre from 0 to 120 PSI takes about 97 seconds (manufacturer's figure); a simple top-up, a few seconds. Let the pump cool between two tyres inflated from flat, and start a group ride with a full charge.

04 · LONG TERM

BATTERY, CARE, TROUBLESHOOTING

Battery

- Charge over USB-C from a standard USB charger (5 V, 1.5 A) with the supplied cable.
- Charge before a ride rather than after it fails: the display shows the battery level.
- 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 heads after use; a damp cloth is enough, never a solvent.
- Rinse a head that has taken tubeless sealant with water, then dry it.
- Store it dry, with its cable, 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 fully
Display stays at zero on an inflated tyre	Head not tight or Presta valve closed: open the nut, re-tighten
Air leaking at the head	Head crooked or seal dirty or worn: unscrew, clean, screw back straight; replace the seal
Stops before the target	Low battery or very hot pump: recharge, let it cool
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.

Pick the mode, set it, start it.
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.

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