VELKYNE

USER MANUAL

MINI ELECTRIC PUMP 150 PSI

Pocket compressor with auto-stop for bikes, motorbikes, balls and inflatables: three preset modes, display in PSI or bar, USB-C charging.

REF. PUMPBLCKCARR · 150 PSI · 12 L/MIN · 45 W · USB-C



01 · BEFORE YOU START

WHAT'S IN THE BOX & FIRST STEPS

ITEM	QTY	PURPOSE
Mini electric pump	1	Compressor, digital display, battery
Inflation hose	1	Connects the pump to the valve
Presta ↔ Schrader adapter	1	Switches from one valve type to the other
Ball adapter	1	Needle for balls
Accessory nozzle	1	Floats, air cushions, swim rings

What this pump does

It inflates up to the **pressure you have set**, then stops on its own. The display shows the pressure in real time, in PSI or bar, to within ±1 PSI. Three preset modes give you a starting point: bike, motorbike and ball. With 45 W, 12 L/min and a 150 PSI maximum it covers road bikes, MTB, e-bikes and city bikes and, with the supplied adapters, motorbikes, balls and inflatables. It is rated at 80 dB: the sound of a compressor.

Specifications

Max. pressure	**150 PSI**	Air flow	**12 L/min**
Power	**45 W, brushless motor**	Accuracy	**±1 PSI (0.1 bar)**
Battery	**2 × 480 mAh, 7.4 V**	Charging	**USB-C (5 V, 2 A), 90 min**
Noise	**80 dB**	Valves	**Presta, Schrader, ball**



Pocket size: the pump sits in the palm and slips into a jersey pocket or a saddle bag.

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 (90 minutes) and try it at home on each of your bikes: you will know which adapter to fit and which target to set before you need it at the roadside.

02 · GETTING STARTED

CONTROLS, DISPLAY, ADAPTERS

The four buttons

Power	The top button switches the pump and display on, starts and interrupts inflation.
Mode	The second button cycles through the bike, motorbike and ball modes; the active icon shows at the top of the display.
– and +	The two lower buttons lower or raise the target pressure before you start.
Display	Pressure in large digits, unit (BAR or PSI), battery level and mode icons.

What this manual does not cover

The exact sequence for switching from PSI to bar 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 display: bike, motorbike and ball icons at the top, pressure in the centre, battery and unit at the bottom. The four buttons: power, mode, –, +.

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, motorbikes).
2. **Fit the hose on the pump,** by hand, without forcing: the seal does the sealing, not the torque. Depending on the valve, add the Presta ↔ Schrader adapter or not; the dry run before your first ride will tell you which combination to keep for each bike.
3. **For a ball or an inflatable,** screw the needle or the accessory nozzle onto the end of the hose. Moisten the needle 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.
3. **Switch on, pick the mode** with the mode button, then set the target with − and +, from the tyre sidewall or the table opposite. Check the unit.
4. **Start inflating** with the power button. 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 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.

The preset modes

Bike	45 PSI to start with: set it to your own tyre pressure.
Motorbike	2.0 bar to start with.
Ball	8 PSI to start with.

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 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.

BIG INFLATIONS

From flat, count on two road tyres up to 100 PSI or five MTB tyres up to 38 PSI per charge (manufacturer's figures). A simple top-up uses far less. Let the pump cool between two tyres inflated from flat.

04 · LONG TERM

BATTERY, CARE, TROUBLESHOOTING

Battery

- Charge over USB-C from a standard USB charger (5 V, 2 A): 90 minutes for a full charge.
- 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 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 for 90 minutes
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, adapter missing or seal dirty: unscrew, clean, screw back straight
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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