USER MANUAL

PORTABLE ELECTRIC PUMP 150 PSI

Pocket compressor with auto-stop for road bikes, MTB, cars, motorbikes and balls: digital display, Presta, Schrader and ball adapters, USB-C charging.

REF. PUMP1 · 150 PSI · 18 L/MIN · ≈ 152 G · USB-C



01 · BEFORE YOU START

WHAT'S IN THE BOX & FIRST STEPS

ITEM	QTY	PURPOSE
Electric pump	1	Compressor, digital display, battery
Extension hose	1	Keeps the pump away from the valve
Presta adapter	1	Narrow valves (road, gravel, MTB)
Schrader adapter	1	Wide valves (MTB, city bikes, car, motorbike)
Ball adapter	1	Needle for balls
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. The digital display shows the pressure while inflating and the battery level. With 18 L/min and a 150 PSI maximum it covers road bikes and MTB and, with the supplied adapters, cars, motorbikes and balls. It is rated at 75 dB at most and protected against overheating.

Specifications

Max. pressure	**150 PSI**	Air flow	**18 L/min**
Battery	**500 mAh, 7.4 V**	Charging	**USB-C, 1 h 30 (5 V, 1.5 A)**
Dimensions	**75 × 51 × 34 mm**	Weight	**≈ 152 g**
Noise	**≤ 75 dB**	Valves	**Presta, Schrader, ball**



75 × 51 × 34 mm pump, extension hose, ball needle and adapters: everything fits in 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 (1 h 30) 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	The centre 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.
Display	Pressure in large digits, unit, battery level and use icons (bike, motorbike, ball).

What this manual does not cover

The exact sequence for switching units (PSI or bar) or confirming the target 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.



Presta: small adapter, narrow opening outwards. Schrader: brass adapter, wide opening outwards. Ball: extension hose and needle.

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, cars).
2. **Pick the matching adapter** and fit it with the extension hose on the pump outlet, 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.
3. **Switch on and 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 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 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 up to five road tyres, three MTB tyres or twenty balls per charge (manufacturer's figures). Let the pump cool between two tyres; the overheating protection may stop it before the target, which is normal.

04 · LONG TERM

BATTERY, CARE, TROUBLESHOOTING

Battery

- Charge over USB-C from a standard USB charger (5 V, 1.5 A): 1 h 30 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 cable 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 1 h 30
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	Overheating protection or low battery: let it cool, recharge
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.

Set 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.