VELKYNE

USER GUIDE

MINI HAND PUMP 160 PSI WITH GAUGE

Aluminium emergency pump with a built-in bar and PSI gauge, a hose that spares the valve, and a bracket to carry it under the bottle cage. No battery: it always works.

REF. VELPUMPMANUBLCK · PRESTA AND SCHRADER · ALUMINIUM · 160 PSI



01 · GETTING STARTED

CONTENTS AND INFLATING

ITEM	QTY	PURPOSE
Mini pump with gauge	1	Aluminium body, bar and PSI dial
Inflation hose	1	Connects the pump to the valve without straining it
Mounting bracket	1	Fits under the bottle cage
Mounting screws	2	Secure the bracket with the bottle cage
Inflation heads	3	Valve fittings

Inflating a tyre

1. **Open the valve.** Presta: remove the cap, unscrew the small nut all the way and press it for a second. Schrader: just remove the cap.
2. **Screw the hose onto the pump outlet,** by hand, without forcing, then fit the head that matches your valve, Presta or Schrader.
3. **Screw the hose onto the valve,** straight in line, until it stops leaking. On a Presta valve do not bend the stem: that is exactly what the hose is there to prevent.
4. **Pump.** Hold the pump body in one hand, pull and push with the other in full, steady strokes. Rhythm matters more than force; the last few PSI are the hardest, which is normal.
5. **Read the gauge in stages** and stop within the range moulded on the tyre sidewall.
6. **Unscrew the hose quickly,** tighten the Presta nut, put the cap back. A short hiss on removal is normal.

Specifications

Max. pressure	160 PSI	Material	Aluminium alloy
Gauge	Built in, bar and PSI	Valves	Presta and Schrader
Folded	19 cm	Extended	30 cm
Diameter	2 cm	Dial width	4.7 cm
Colour	Black		

SAFETY

- Never exceed the maximum pressure moulded on the tyre sidewall, even though the pump can go higher.
- The pump body gets warm after a long inflation: take a break rather than forcing it.
- Always unscrew the hose by its knurled collar, never by pulling on the tube.

ON THE ROAD, THE GOAL IS TO GET GOING AGAIN

From flat, a road tyre takes several hundred strokes. Get back to a safe pressure, 70 to 80 PSI on the road, 30 PSI on an MTB, and fine-tune at home with a floor pump.

02 · DAY TO DAY

GAUGE, MOUNTING, CARE

Reading the gauge

Two scales on the dial: the outer one in PSI, up to 160, the inner one in bar, up to 11 (1 bar = 14.5 PSI). The needle gives the tyre pressure when the piston is at rest: read between two strokes, not during the push. The range moulded on the tyre sidewall is what counts.

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

General guide values; rider weight, actual width and tubeless set-ups shift them.

Fitting the bracket under the bottle cage

1. **Unscrew the two bottle cage bolts.**
2. **Slide the bracket between the bottle cage and the frame,** its holes lined up with the frame bosses, the pump pointing down the tube.
3. **Screw back on with the two screws supplied,** without overdoing it: the bosses of an aluminium or carbon frame do not like brutal tightening.
4. **Clip the pump into the bracket** and check that it gets in the way of neither the bottle nor your pedalling.

Care

- Wipe the pump after a wet ride: aluminium does not rust, but mud clogs the hose.
- Rinse a hose that has taken tubeless sealant with water, then dry it.
- Once a year, a little silicone grease on the piston seal keeps it pumping efficiently.



The dial: PSI on the outer scale up to 160, bar on the inner scale up to 11.

IF SOMETHING GOES WRONG

- **Needle stays at zero** on an inflated tyre: hose not tight or Presta nut closed. Open the nut, screw back on straight.
- **Leaking at the valve**: head crooked or wrong head. Unscrew, check, screw back on.
- **Pumping does nothing**: dry piston seal, silicone grease.
- **Tyre goes down afterwards**: Presta nut or cap not closed; otherwise a punctured tube or tyre.

On video

Independent tutorials, 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, heads and mounting.

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