SPORTENZIA

USER GUIDE

INFLATION NEEDLE AND ADAPTOR KIT

Eleven pieces that screw onto your pump: four ball needles, adaptors for Presta, Schrader and Dunlop valves, two cone nozzles for inflatables. Which piece for which job, how to inflate without damaging a valve, and what to do when something sticks.

REF. KITAUG11 · PRESTA, SCHRADER, DUNLOP VALVES · 11 PIECES, PUMP NOT INCLUDED



01 · GETTING STARTED

CONTENTS AND INFLATING A BALL

The 11 pieces

PIECE	QTY	WHAT IT DOES
FV / AV adaptor, copper	2	On a Presta valve, so a Schrader pump head can inflate it
AV / FV adaptor	2	Bridges the two thread standards, depending on pump and accessory
AV cone nozzle, black head	2	Inflatables with a wide opening, two diameters
DV adaptor	1	Dunlop valves, city and traditional bikes
DV needle	2	Balls, DV-type thread
AV needle	2	Balls, Schrader thread: the most common

Inflating a ball

1. **Screw the needle** onto the pump by hand until it meets the seal. Use the one whose thread matches your pump.
2. **Wet the needle** with a drop of water: it then slides in without tearing the rubber of the valve.
3. **Push it in straight** along the axis of the valve, right up to the hilt. If it resists, pull it out and try again: never force it.
4. **Pump in short strokes** checking firmness as you go. The pressure to respect is printed on the ball, next to the valve.
5. **Pull the needle out** straight, in one steady movement, then unscrew it from the pump. The valve closes by itself.

Specifications

Pieces	**11**	Needles	**4, metal**
Adaptors and nozzles	**7**	Valves	**Presta, Schrader, Dunlop**
Materials	**Metal, copper, synthetic nozzles**	Pump	**Not included**

Before you start

Look at the valve: Presta (thin, small nut to unscrew), Schrader (wide, as on a car), Dunlop (city bikes) or needle valve (balls). Pick the piece whose thread matches the head or hose of your pump. Always screw by hand, never with a tool.

SAFETY

- The needles are sharp and the pieces are small: keep out of reach of children, and inflate under adult supervision.
- Never exceed the pressure stated on the ball or inflatable: over-inflation can make it burst.
- Never force a needle or adaptor that will not go in or screw on: check the piece, not your grip.

02 · DAY TO DAY

BIKES, INFLATABLES, CARE, TROUBLESHOOTING

Inflating a Presta valve with a Schrader head

1. **Unscrew the small nut** at the top of the Presta valve by a few turns and press it briefly: a puff of air confirms the valve is open.
2. **Screw the copper FV / AV adaptor** onto the valve by hand until it meets resistance.
3. **Fit the Schrader head** of the pump onto the adaptor, as on a car valve, and inflate to the pressure printed on the tyre sidewall.
4. **Remove the adaptor** then tighten the valve nut again. An adaptor left in place exposes the valve to knocks.

Dunlop and inflatables

- **Dunlop valve**: the DV adaptor goes between the pump and the valve. Screw it on by hand, inflate, remove it.
- **Wide-opening inflatables** (mattresses, floats, toys): choose the cone nozzle whose diameter plugs the opening, push it in with a slight twist and inflate without exceeding the firmness the maker of the inflatable recommends.
- **AV / FV adaptor**: use it when your pump's thread does not match the piece you want to screw on. Try it before concluding that a piece does not fit.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Needle will not go into the ball	Dry valve, needle at an angle or bent	Wet it, present it straight; a bent needle is replaced
Air leaks at the base of the needle or adaptor	Piece not screwed home, seal missing or damaged	Unscrew, check the O-ring, screw back on by hand until it seats
Ball does not hold air	Worn ball valve	The kit cannot help: the ball itself is at fault
Presta valve will not inflate	Valve nut still closed	Unscrew the nut before fitting the adaptor
A piece will not screw on	Thread differs from the pump's	Take the other needle, or add an AV / FV adaptor in between

Care and storage

- Wipe the pieces after use and keep them together, in a toolbox or a pouch: a lone needle gets lost quickly.
- The black O-rings provide the seal: do not remove them, and replace a piece whose O-ring is split.
- Copper may tarnish over time: this has no effect on inflation.

GOOD TO KNOW

- No pump is supplied: the kit completes the one you already own, hand, floor or electric.
- A twin-hole or reversible pump head often takes Presta and Schrader without an adaptor: the adaptor is for when it does not.
- The two cone nozzles have different diameters: start with the smaller one.

Need help?

sportenzia.com/pages/contact

Our team answers your questions about choosing the right piece and inflating.