

A close-up, low-angle photograph of several Pascal BOX components, likely hydraulic cylinders or actuators. The components are dark blue with yellow accents, possibly pistons or seals. The lighting is dramatic, with strong highlights and deep shadows, creating a sense of depth and precision. The background is dark and out of focus.

pascal BOX[®]

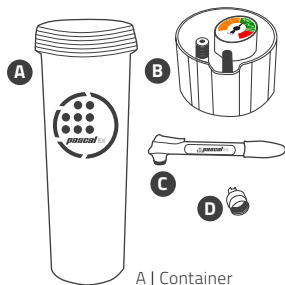


USER GUIDE

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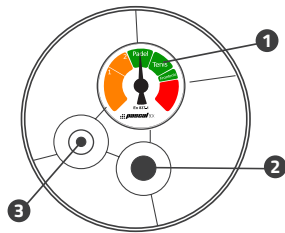
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Cover components



- 1 | Manometer
- 2 | Injection valve
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1. Product description

PASCAL BOX® is a precision device capable of recuperating the loss of pressure in padel, tennis and frontenis balls. It is made up of a container with a cover to close it hermetically, safely supporting pressures greater than atmospheric pressure in a controlled and precise manner. It can store 3 padel or tennis balls or 4 frontenis balls.

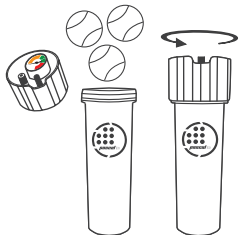
With time, balls progressively lose pressure from the moment they are removed from their original container. This depressurization increases with each impact, losing up to 25% of the pressure in just the first match.

Via compensation between the pressure and volume in the container, PASCAL BOX® doesn't just stop that loss, but actually **reloads the ball's pressure up to reglementary levels** for each sport.

PASCAL BOX®, with its internationally patented technology, allows you to enjoy a ball's bounce as if it were its first day, every match.

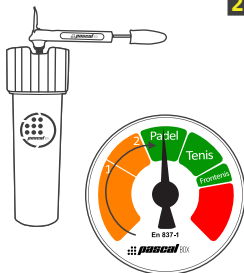
2. User Guide

2.1 Balls maintenance since their first use (recommended)



- 1 Introduce the balls in the container and **close the cover tightly** to seal it completely*. It is best if the balls put into the container come from the same original pack.

**Once pressurized, if you detect that the level of pressure decreases with time, the cover has not been closed properly.*



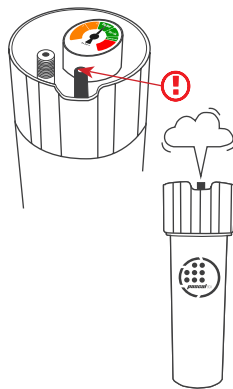
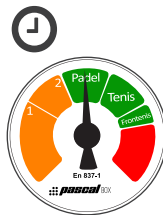
- 2 Remove the cover from the injection valve and **insert the pump**. Make sure the pump's lever is lowered when placing it. Lift the pump's lever and insert pressure until the indicator's needle reaches the corresponding green zone (padel or tennis). Lower the lever, remove the pump (if necessary, remove any extra pressure by pressing the inside of the valve) and place the tool cap.

- 3 Maintain PASCAL BOX pressurized until playing the next match. To completely recuperate the pressure lost during one match it takes between 12 and 72 hours*, depending on the ball's quality and condition.

** You can use the balls before this period, keeping in mind that they may not have completely recuperated their original pressure.*

- 4 Before opening the cover, **completely release the interior pressure by pressing on the middle of the valve***. Unscrew the cover and remove the balls. They'll regain the same pressure as their first day!

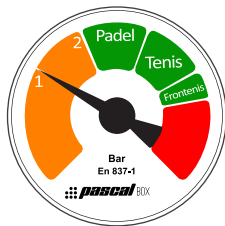
** It is important to remove all of the pressure before opening PASCAL BOX to avoid possible damages. In any case, opening it when pressurized requires a lot of strength.*



2.2 Recovering deflated balls

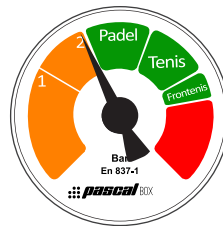
The procedure to recuperate the pressure of a flat ball **is different than that of a new ball**. In this case balls should be exposed to an increasing amount of pressure throughout several days in order to avoid it from deforming.

For flat balls to be correctly recovered they should have had a similar use. They should also keep both, rubber and plush, in good condition.

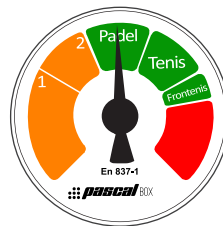


- 1 Once the balls have been in the container and the cover closed firmly, use the pump to inflate the necessary pressure to **take the indicator to 3/4 of the orange zone (position 1)**. Keep the device at this point for **72 hours** so that they are loaded up to that point of pressure.

- 2 Inject pressure until the indicator reaches the beginning of the "padel" green zone (position 2) (regardless of the type of ball). Keep PASCAL BOX pressurized at this point for another **72 hours**.



- 3 Once step 2 is complete, **take the needle to the ball's corresponding green zone** and keep PASCAL BOX at this point for **72 hours**.



The balls should have loaded up to their reglementary pressure and bounce like on the first day.

NOTE: If at any time during this procedure you observe that a ball deforms, it is a sign that it is no longer in good conditions to be recuperated, so you must dispose of it.

3. Maintenance

With continued use, balls bring in sand and other impurities to PASCAL BOX. Should these impurities settle on the part of the device that allows for a hermetical closure (called the "o'ring" and placed inside the cover), a gradual loss of pressure could take place. To avoid this, periodically clean and lubricate this o'ring to guarantee an optimal seal in the cavity. Use either vaseline, grease or oil.

4. Loss of Pressure

If you notice that the device has suffered a loss of pressure since it was last pressurized, it may be due to one in these three causes (in order of probability):

- 1) the cover is not closed tight enough.
- 2) the o-ring in the cover has sand or impurities (See Chapter 3 Maintenance.).
- 3) due to an intense use, the metallic part inside the injection valve has loosened slightly (see section 5: Use of the tool cap).

5. Recommendations

- The manometer inside the cover is a very sensitive device and may be damaged upon impact. Please **keep the manometer from dropping or from hard bumps** in order to maintain its proper performance.
- If your manometer shows something other than zero while it is not pressurized, it has probably been dropped. Check our Manometer Replacement Policy.
- Use the included pump, or any other manual pump with the right nozzle. Do not use electric compressors. Do not inject any gas other than air.
- If you have any questions **see the FAQ on our website.**

6. Use of the tool cap*

This has a dual function: one of its sides works as a cover for the injection valve. The other side could be used to:

- **Press the center of the valve** to release the pressure.

- **Adjust the inflation valve.** Although infrequent, intensive use could result in the inside of the valve loosening slightly, which could produce small pressure losses. To resolve this, insert this side of the cap in the valve all the way in, and softly turn it clockwise until it reaches its end.

** For more information visit our website.*

7. Guarantee

PASCAL BOX, S.L., guarantees this product against any material defect and labour used for its manufacture up to two years after its purchase. This guarantee includes the repair, replacement or change of product and/or components free of charge. To exercise this guarantee, just present a copy of the purchase receipt (invoice or online order) from the retailer where you purchased it and contact PASCAL BOX®'s customer service.

This guarantee is not valid under the following conditions:

- When the use, care and operation of the product does not coincide with the instructions in the product's user guide.

- When the product has been used for purposes other than its aim, if it has been improperly used, hit, exposed to heat and humidity, altered by a corrosive liquid or substance or due to any other cause attributed to the user.
- When the product has been disarmed, modified or repaired by people not authorized by the company.
- When the purchase receipt has been altered or does not clearly reflect its original data.



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