OMNIcheck® Cal-Kit

Packing list and repacking

November 2026

Tick each item when you unpack, and again when you pack the kit back. Item numbers match Figure 3-3 in the Field Calibration Instructions.

#	Item	Qty	Unpacked	Packed
Shipping case				
1	Wheeled shipping case, with lid foam	1	☐	☐
2	Top foam layer (pouch cutout)	1	☐	☐
3	Bottom foam (Cal-Kit cutout and hose channel)	1	☐	☐
Bottom layer				
4	Cal-Kit (black panel case, yellow label)	1	☐	☐
5	Blue HP supply hose, 48 in (4 ft), elbow end	1	☐	☐
6	Blue HP hose tagged “HP TO OMNI”	1	☐	☐
Accessory pouch				
7	Sound calibrator (CM-C200), in its bag	1	☐	☐
8	24 V power supply and cord	1	☐	☐
9	USB cable, Cal-Kit to PC	1	☐	☐
10	Clear MP hose	1	☐	☐
11	Clear LP hose set: Cal-Kit hose, Y-piece, mouth and eye lines	1	☐	☐
12	Supply adapter: tee with bleed valve	1	☐	☐
13	Mouth plugs: one straight (use first), one green tapered (backup)	2	☐	☐
14	Orifice A and Orifice B (marked A and B)	2	☐	☐
15	Diagnostic caps (2), spare mouth fitting and spare eye fitting (for finding an LP leak)	2 + 1 + 1	☐	☐
Paperwork				
16	These instructions	1	☐	☐

2 Repacking

⚠ WARNING

Never disconnect a fitting that is under pressure. Do Section 11, Steps 1 to 4 in order. Do not go past Section 11, Step 1 until its zero-pressure check is complete.

1 Close and vent the air

approx. 3 min

⚠ WARNING

Air can stay trapped after the venting stops. Do not disconnect, loosen or change any hose, or change the air source, until the one-minute check in item 4 is complete.

⚠ CAUTION

Keep your face and hands away from the bleed outlet while it vents.

1. Close the air source valve.
2. Open the bleed valve on the supply adapter **slowly**. The air vents loudly.
3. Wait until the air stops venting and **Supply Pressure** reads 0. Leave the bleed valve open.
4. **Stop and check for zero pressure.** Watch **Supply Pressure** for one minute: it must stay at 0. Listen at every fitting: there must be no air leak. If the reading rises or you hear air, leave everything connected, keep the source closed, and contact ATOR Labs.

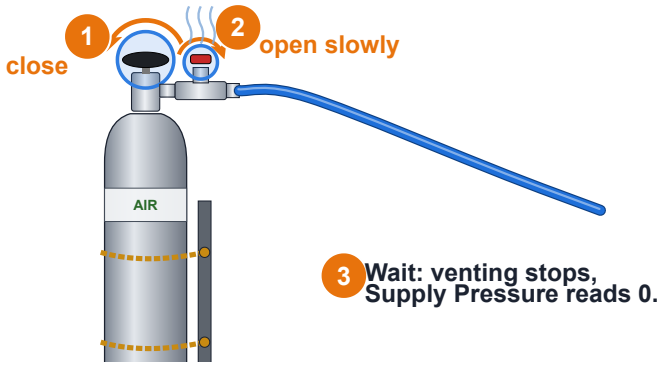


Figure 2-1. Close the source valve (1), then open the bleed valve slowly (2).

2 Power down

approx. 1 min

1. Close the OMNIcheck software.
2. Switch the Cal-Kit **OFF** (G).
3. Turn the OMNIcheck off.

NOTE Go on to Section 11, Step 3 only after zero pressure is confirmed in Section 11, Step 1.

3 Disconnect

approx. 3 min

⚠ CAUTION

Never force a connection apart. If one will not release, leave it connected and contact ATOR Labs.

To release a quick-connect: push the two halves together, pull the sleeve back, then pull the hose off.

1. Supply hose at the supply adapter. Then take the adapter off the air source.
2. Supply hose elbow at **HP IN** (A).
3. HP hose: unscrew it from the OMNIcheck, then release it from **HP OUT** (B).
4. MP hose: release it at the OMNIcheck medium-pressure inlet, then at **MP OUT** (C).
5. LP hose set at **LP OUT** (D): press the orange ring down and pull the hose out. (Its mouth and eye fittings were removed in Section 8, Step 3 of the Field Calibration Instructions.)
6. USB: the Cal-Kit cable at **USB-DAQ** (F), and the OMNIcheck cables and microphone from the hub. Unplug the 24 V supply from the wall, then from **24 V** (E).

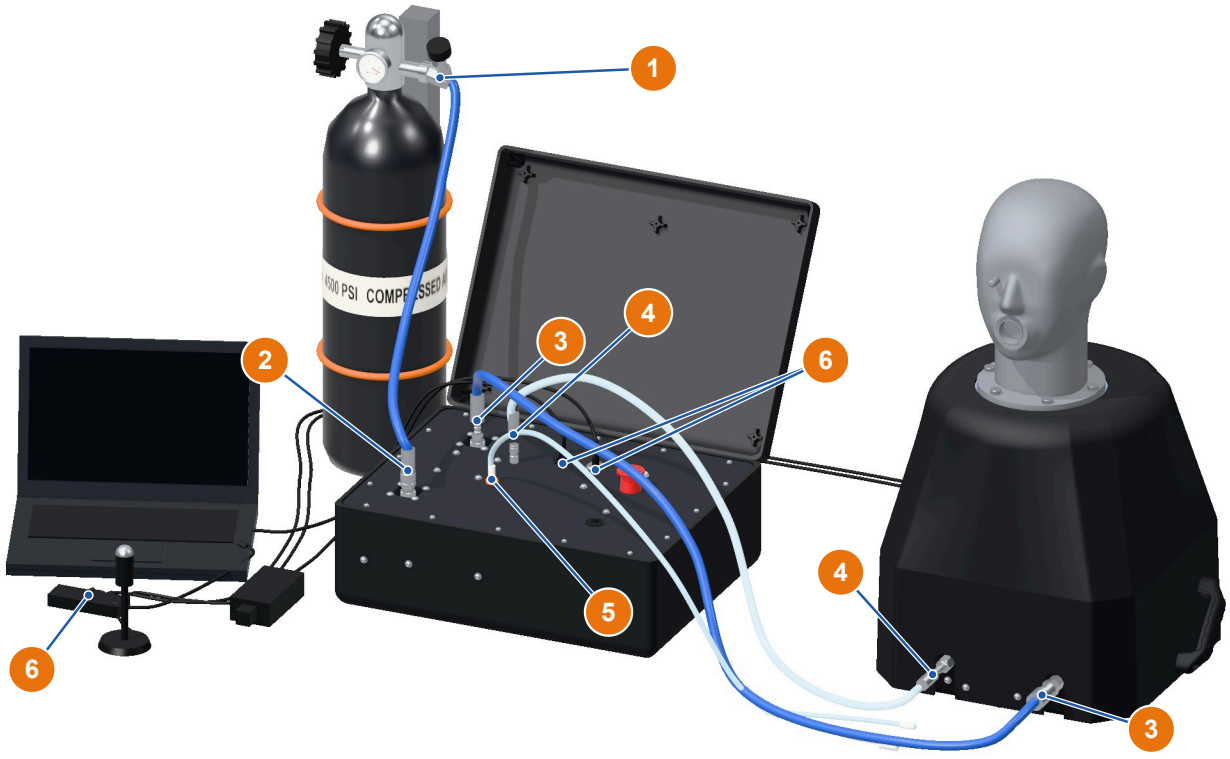


Figure 2-2. Disconnect in this order, 1 to 6. The numbers match the list.

4 Pack the case

approx. 8 min

1. Put the accessory-pouch items (Appendix A), including the clear MP hose and LP hose set, back in the pouch. Tick each one off.
2. Close and latch the Cal-Kit lid. Set the Cal-Kit in the bottom foam (1).
3. Coil both blue HP hoses in the channel around it (2): the supply hose and the hose tagged “HP TO OMNI”. They go in the foam, not in the pouch.
4. Fit the top foam (3), with the pouch in its cutout (4).
5. Close and latch the case. Put the prepaid return label from ATOR Labs on the case and ship it back.

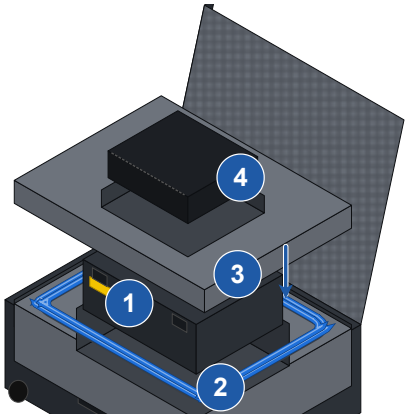


Figure 2-3. Cal-Kit (1), both blue HP hoses (2), top foam (3), pouch (4).