

CONVERTING THE XTX REGULATOR TO LEFT HANDED CONFIGURATION



Right Handed Configuration




Left Handed Configuration

- Using two 11/16" spanners, hold the Heat Exchanger (8) stationary while turning the Hose Swivel anti-clockwise.



- Using the Apeks XTX Tool (PN AT20), unscrew the Case Cover (4). Lift out the Diaphragm Cover (5) and Diaphragm (6).

 **NOTE:** Ensure that the tool is firmly pressed against the Case Cover whilst unscrewing.



- Using an 11/16" spanner, remove the Heat Exchanger (8).




- Turn the Adjusting Screw (35) anti-clockwise until it stops. For the XTX40 and XTX20 models use an Allen key to turn the Adjusting Screw (35). Press the Lever (23) against the Valve Spindle (20). While keeping the Lever depressed, grasp the Knob and pull the Valve Spindle assembly out of the Case (25). Remove the Blanking Piece (10) from the opposite side of the case.



- Remove the two 'O' rings (9) & (11) from the Blanking Piece (10).



- Grasp the Venturi Lever (16 + 17) and pull it out of the Case. Remove the 'O' ring (11) from the Venturi Lever.

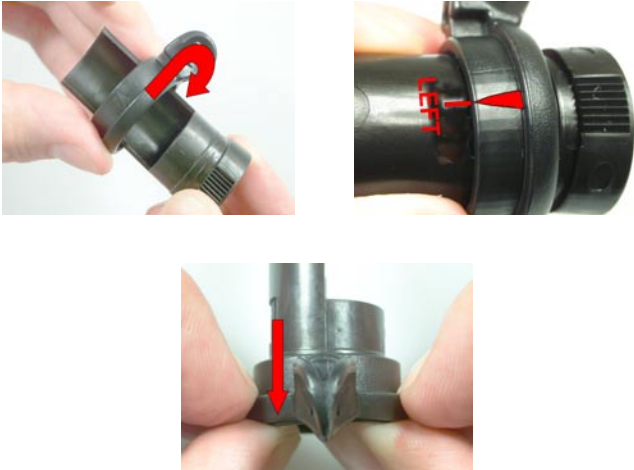
 **NOTE:** The Venturi Lever may have come out with the valve Spindle in step 4. If this is the case, depress the Lever and slide the Venturi Lever off from right to left.



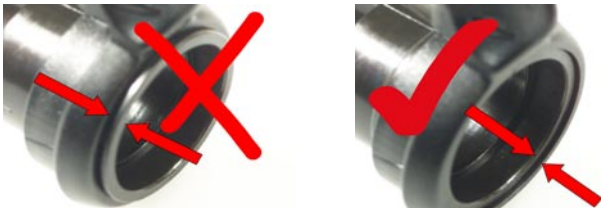
- Grasp the Venturi Lever (16 + 17) as shown below and push the Venturi Ring (16) to separate it from the Venturi Lever Body (17).



8. Rotate the Venturi Ring (16) on the Venturi Lever Body (17). Align the Arrow on the Venturi Ring with the line on the Venturi Lever Body above the **LEFT** text. Press the Venturi Ring firmly onto the end of the Venturi Lever Body, until it clicks into place.



NOTE: The Arrow and line must be aligned to ensure that the two parts fasten together correctly. Ensure that the correct configuration of regulator is selected. I.e. if the Regulator is to be configured as Left Handed, then the arrow must be aligned to the line with **LEFT** underneath.



CAUTION: Ensure that the parts of the Venturi Lever are firmly pressed together. There should be a step as shown in the photo on the right above. An audible click should be heard when pressing together.

9. Install a lubricated 'O' ring (11) onto the Venturi Lever (16 + 17). Point the Venturi Lever upward and insert it into the side of the Case marked 'Left'. Press it against the Case so the 'O' ring is captured.



10. Install lubricated 'O' ring (11) onto the Blanking Piece (10). Point the Blanking Piece upward and insert it into the Case. Press it against the Case so the 'O' ring is captured.



11. Rotate the Spindle Collar (21) on the Valve Spindle (20) until it clicks into position. The Valve Spindle should look like the photo on the right.



CAUTION: Ensure that the Spindle Collar clicks firmly into position and that the entire Valve Spindle Hole is visible.

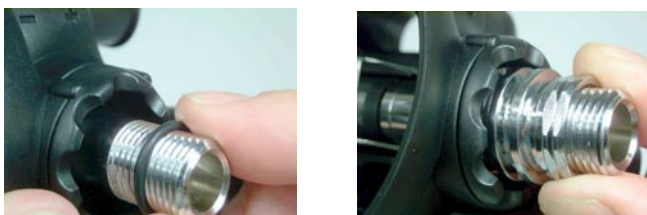
WARNING: Ensure that the spindle collar is set in the correct position. Failure to do so will result in a substantial loss of breathing performance. The photo below shows the Valve Spindle in both the Left and Right hand configurations.



12. While depressing the Lever, insert the Valve Spindle through the Venturi Lever and into the Case. Be sure that the two flats and the two Lever feet engage in the tabs of the Blanking Piece .



13. Slide a lubricated 'O' ring (9) down the threaded end of the Valve Spindle. Screw the Heat Exchanger (8), hexagon facing outward, onto the Valve Spindle until finger tight. Using an 11/16" crows foot or deep socket, tighten to a torque of 5 Nm.




14. Ensure the the Valve Spindle hole points to the top of the case.



15. Using an 11/16" crows foot or deep socket, tighten to a torque of 5 Nm.



 **CAUTION:** Ensure that the Lever is vertical after tightening.

16. Position the Diaphragm (6) into the Case (25). Using your finger, work the edges of the Diaphragm into place so it sits evenly in the Case . Install the Diaphragm Cover (5) into the Case, over the Diaphragm.



 **CAUTION:** Ensure Diaphragm is seated correctly and not creased.

17. Screw the Case Cover (4) onto the Case. Using the XTX Tool (p/n AT20) tighten the Cover until it stops. Confirm that the Purge Button is properly aligned.




Before fitting hose, carry out suction test by holding thumb over Valve Spindle (20) to seal and trying to breathe through mouthpiece outlet port. No air should be drawn in.

18. Screw the Hose onto the second stage. Using an 11/16" crows-foot and torque wrench and a spanner on the Heat Exchanger, tighten the Hose to 5 Nm.



This Ends the conversion procedure, proceed to Final Testing

 **NOTE:** If your facility is equipped with a test bench, remove the mouthpiece as described on page 8. General instructions for performing bench tests are located in the section, "Final Testing" on page 13.