

Fitting a new set of O-rings or a new valve control unit to the oxygen and air flow meters on Tafonius

Scope: This procedure applies to Tafonius and Junior machines fitted with non-linear scale flow meters and magnified lens scales



This type of flow meter has a control knob that unscrews from the main body of the flow meter. There are 2 small black O-rings that control the flow of gas and these may become worn and need replacing.

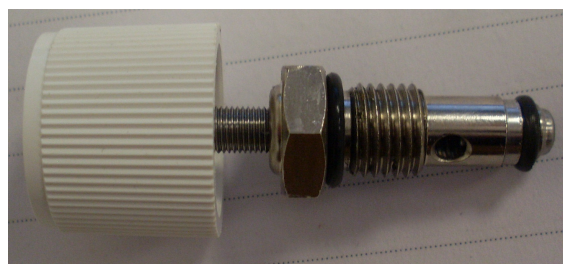
Worn O-rings lead to a leakage of gas through the valve even when the valve is turned fully off. If the leak is severe enough the ball in the flow meter will indicate the degree of leak.

To remove the control valve:

- Disconnect the oxygen and Air supply
- Fully undo the flow meter valve by turning it fully anti-clockwise
- Use a 1/2" spanner to undo the exposed securing nut



If you have replacement O-rings, remove and discard the old ones before fitting the new ones. Always replace **BOTH** O-rings as a set.



If you have a replacement valve unit, simply screw in the new unit. Make sure the threads are clean and dry. Do **NOT** apply any type of grease or lubricant to the threads or O-rings. Replace and tighten the control knob with the 1/2" spanner, then turn the knob fully clockwise to close the valve. Re-connect the oxygen and Air supplies.

END