



Quick Guide to using Tafonius without Monitoring

This guide is for use with the Tafonius system without a PC. For more detailed information see the Operators manual or the Getting Started with Tafonius document. This guide covers the following topics:

Pre-op Checks - Initialising the Machine - Closing down the machine

Pre-op Checks

Before starting Tafonius make the following checks:

- Are both drainage stoppers fitted?
- Is the manual take-off port closed and sealed?
- Is the Soda-lime fresh?
- Is the valve block assembled and tightened down?
- Are the Patient hoses and Y-piece attached?
- Make sure the Y-piece is not stoppered.
- Is the Pressure sensor connected to the Y-piece?**
- Is the sidestream sampling port either stoppered or connected to the sampling line?
- Is the Salbutamol port stoppered?
- Is the oxygen supply connected?
- Is the mains power connected AND the trip switch set to ON?

Initialising the Machine

- Press the square Mains ON/OFF button to start the machine
 - Watch the small screen for any warning or error messages*
- To run a leak Test, push any knob when the message:
 - “PUSH ANY KNOB FOR SYSTEM LEAK TEST” appears
- The system will then halt, flash the RUN button and display the message:
 - PISTON NOW NEEDS TO BE INITIALISED
 - DISCONNECT PATIENT AND PUSH RUN BUTTON
- If the cylinder is still open, then fit the absorber pan and close the cylinder
- Press the Run button.
 - The piston will move slowly to the bottom position and stop*
- Fit the stopper to the Y-piece
- Set the Vaporiser to your required pre-fill setting
- Set your patient Tidal Volume
- Set the Buffer Volume to 10
- Pre-fill the Cylinder to the required level using the manual Gas flow meters.
- Turn off the gas flow
- The system is now primed, ready for use



Disconnecting the Patient

Before disconnecting the patient, first check that there is no PEEP or CPAP value selected. If there is, set it to zero

Remove any monitoring lines as appropriate

Set the operating mode to Standby to stop any IPPV

Disconnect the patient

Fit the stopper to the Y-piece and hang the Y-piece on the right hand side of the machine

Turn off the gas flow of Oxygen, Nitrous or Air.

Turn off the vaporiser

Closing down the machine

Fit the stopper to the Y-piece

Push the Dump Valve control button to push the gas out of the piston through the scavenging system

Open the cylinder

The piston will withdraw

Remove the absorber pan and soda lime

Press and hold the green square Mains ON/OFF button to shut down the Auxiliary system

Remove the stoppers from the drainage tubes on the absorber pan

Undo the screws from the valve block and remove the valve block, valves and orange O-rings

Remove the patient tubes from the valve block

Flush water/cleaner through the valve block down to the absorber pan and clean inside the cylinder with a brush

Leave the cylinder open and allow to drain and dry

Setting the Buffer Volume

Press and hold the TV (tidal Volume) knob until the label changes from TV to BV.

Adjust the value to the required setting and then press the knob to commit the value.

The BV setting is shown towards the top of the screen on the right of the piston

Setting the CPAP value

Push the CPAP button and the MWPL label will change to CPAP. Keeping the CPAP button pressed, adjust the value to the required setting. Push the knob to commit the value. Release the knob. The CPAP setting is shown underneath the BV setting. To cancel CPAP, push the CPAP button and set the CPAP value to zero. Push the knob to commit the change.

Setting the Assist Mode

In Standby (Spontaneous breathing) mode, push the ASSIST button. The MWPL label changes to SENS (Sensitivity) and flashes slowly. Adjust the Sensitivity value to the required setting and push the knob to commit the value. When the RUN/IPPV button is pressed the ASSIST light will be permanently ON. Press the ASSIST button at any time to turn Assist Mode off.

Using the Dump Valve

When the Dump button is pressed the Dump valve is opened and the piston compresses the cylinder to 5cm H₂O pressure to expel the gas. Use this to empty the cylinder during or at the end of a procedure.