

www.cosmed.com

COSMED Covid-19 responses

Please see all COSMED's official up to date guidance on our website [here](#), including the following:

[General statement for all products](#)

[Q-NRG / Q-NRG+](#)

[BOD POD](#)

[PEA POD](#)

[Antiviral/antibacterial respiratory filters](#)

In response to the added demands of Covid-19, we have also produced a separate [*Cleaning & Disinfection Manual](#) for easier reference, covering all our products/accessories. Please also see your hardware manual, located on your COSMED PC's C:/ drive [in the COSMED installation folder](#), on your [OMNIA installation CD](#) and in the [OMNIA installation download file](#) that you can download directly from your OMNIA software if connected to the internet. I've put the ****user manuals** [here](#) too in a Dropbox folder.

Note that the [***OMNIA software manual](#) is a separate document relating to the software control of the Quark and other COSMED devices. There is occasionally some unavoidable overlap between software and hardware instructions so please refer to both manuals.

*April 2020

**As shipped with OMNIA 1.6.8

***X Edition, for SW Release 1.6.7 (and shipping with 1.6.8)

Some further useful notes...

COSMED Anti-viral/bacterial filters for CPET & PFT

Reflecting international guidelines, we already recommend filters for pulmonary function testing.

We have introduced a mask adapter p/n C05085-01-20 to allow our antiviral/antibacterial filter to be used also in the flowmeter assembly, to reduce the potential contamination of the immediate testing environment from high volumes of the subject's expirate and to reduce the need for flowmeter disinfection.

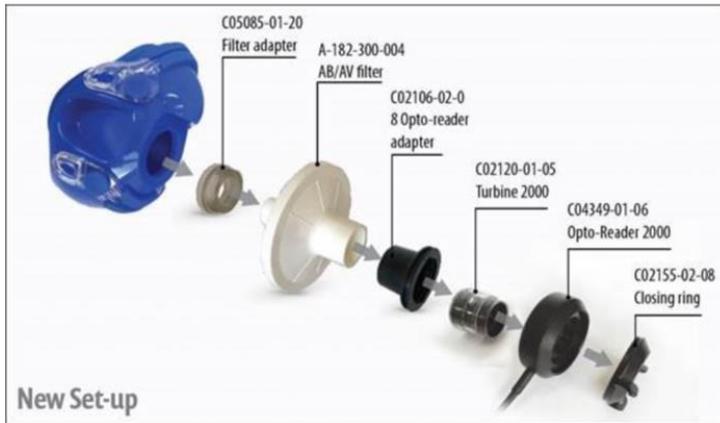
See the Filter [product guide](#) for data, including viral and bacterial efficiency.

If you would like to use the filter, only the filter **adapter C05085-01-20** and the **filter A-182-300-004** adding to the standard flowmeter assembly. This part number is for the filter with a *round* connector, not the alternative *oval* connector that is designed for direct contact to the mouth for spirometry and lung function testing.



Filter and mask adapter with 'new style' opto-reader 2000 flowmeter

Opto-reader 2000 flowmeter (new style)



VO2max ID 28 mm flowmeter (old style)



Filter resistance and inspiratory valves

Mask data and p/n's [here](#)

Inspiratory resistance can be further reduced with our unique *alternative* mask, generally considered for the high ventilations of performance testing, with one-way valves in the sides of the mask that open during inhalation to reduce resistance.

Anecdotally, this may improve adherence to the full duration of a CPET and extend the test time in patients who report or who are diagnosed with shortness of breath, or who are anxious about the mask and have not tolerated testing in the past.

Internal testing shows *significantly* reduced inspiratory resistance above 80 L/min. At 150 L/m resistance to flow is half that of masks without valves (and this comparison is without filters).

Please note that use of the inspiratory valves means that:

- Inspiratory volume during exercise cannot be measured
- Mask leaks cannot be identified graphically (i.e. with a plot of VT and IV, scaled similarly).



COSMED Mask with inspiratory valves.

Blood Pressure cuffs for Tango BP & Ergometer BP modules

You may wish to consider more cuffs in stock to allow for single use between washes.

Cuffs for COSMED/Ergoline cycle ergometers are available in 3 sizes.
Tango BP cuffs are available in 4 sizes.

Please enquire.



Medical keyboard and mouse

If you wish to exchange the standard keyboard and mouse on your systems we have medically graded peripherals with rubberised membranes available, easily disinfected to clinical standards.

Please enquire.

