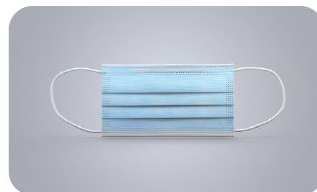


Overview of different mask types and their effectiveness at preventing COVID-19 infections



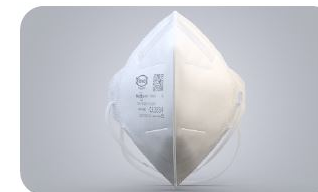
Community mask



Surgical face mask
Type II



Universal mask



FFP2 mask
without valve

z.B.

FLAWA REF 104910



FFP2 mask
with valve

z.B.

FLAWA REF 104949
(available soon)

Protects ...

... me
as the wearer from viruses

Limited

Limited

Good

Very good

Very good

... those around me
from viruses

Good

Good

Good

Very good

No

... healthcare
professionals

Not approved

Limited

Not approved

Very good

Very good

Standard /
Test requirement

(In part)

EN 14683

No, but good fit and high
filter performance
in terms of viruses

EN 149:2001 +A1:2009

EN 149:2001 +A1:2009

Test /
Certification

In part, e.g. test in acc. with
COVID-19 Science Task Force
recommendation

Accredited test laboratory

EMPA test*
No certification

EC type examination

EC type examination

Marking

(Possible in part)

CE marking

None

CE marking with certifier
identification number

CE marking with certifier
identification number

*An EMPA test with FLAWA universal masks revealed a particle filtration efficiency of >75%!

Overview of different mask types and their effectiveness at preventing COVID-19 infections

		My counterpart wears ...					
		... no mask	... Community mask	... Surgical face mask Type II	... Flawa universal mask	... FFP2 mask without valve	
I wear ...	Exposition						
	... no mask		Me: no protection / Counterpart: no protection	Me: limited protection / Counterpart: limited protection	Me: good protection / Counterpart: limited protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: best protection
	... Community mask		Me: limited protection / Counterpart: limited protection	Me: limited protection / Counterpart: limited protection	Me: good protection / Counterpart: limited protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: best protection
	... Surgical face mask Type II		Me: limited protection / Counterpart: good protection	Me: limited protection / Counterpart: good protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: best protection
	... Flawa universal mask		Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: good protection	Me: good protection / Counterpart: best protection
	... FFP2 mask without valve		Me: best protection / Counterpart: good protection	Me: best protection / Counterpart: good protection	Me: best protection / Counterpart: good protection	Me: best protection / Counterpart: good protection	Me: best protection / Counterpart: best protection

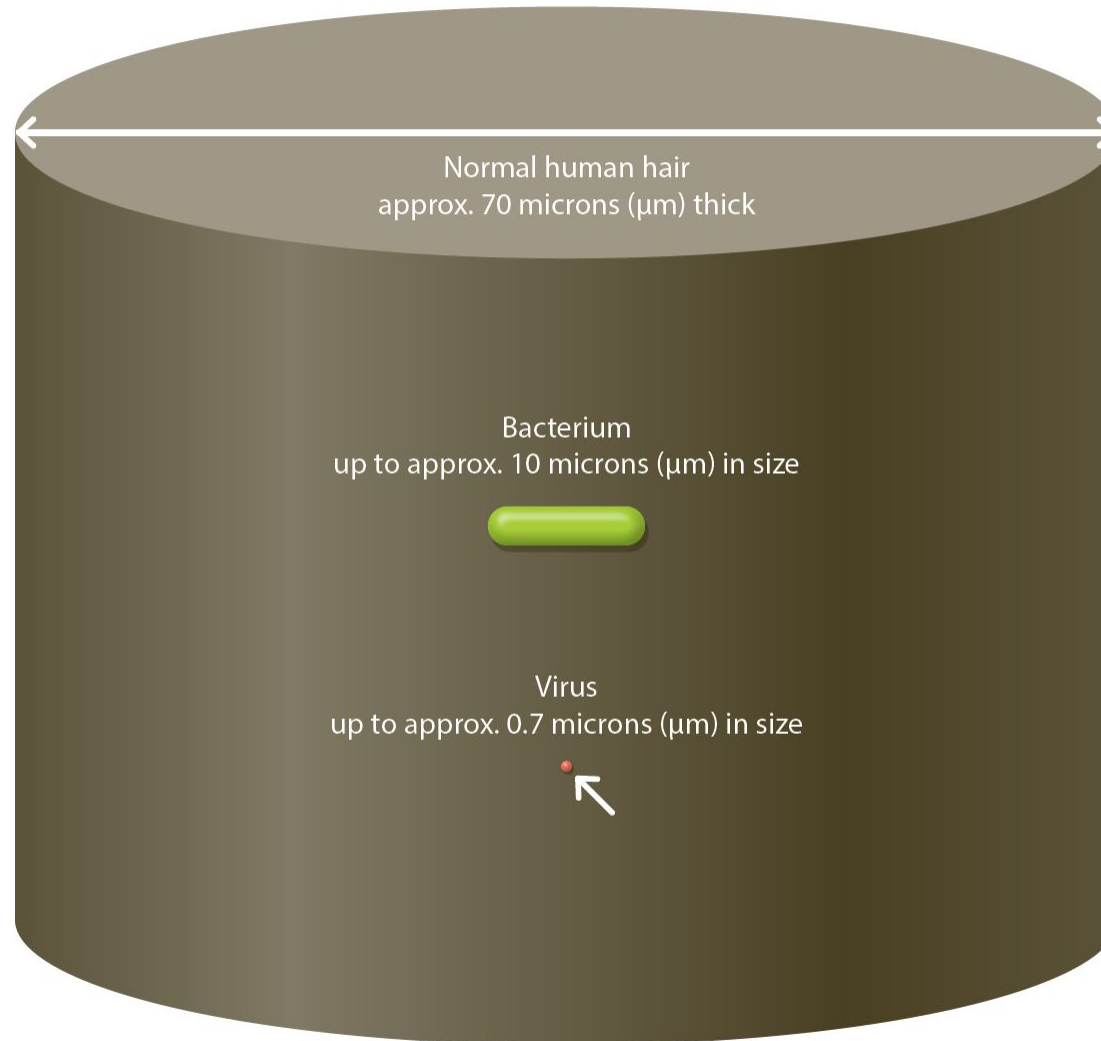
Correct choice of mask types in terms of effectiveness at preventing COVID-19 infections (virus)

The various mask types that are available have been developed and tested for different protection purposes.

Accordingly, the (standard) requirements and the filter performance are also different.

It's important that the most suitable mask type can be chosen for the relevant protection purpose.

In terms of the effectiveness at preventing COVID-19 infections, you also need to be aware of the size of the viruses:



Viruses are up to 100 times smaller than bacteria.

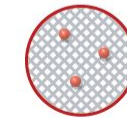
That's why a high filter performance in terms of viruses and a perfect mask fit are important to provide the best possible protection from infection.



Filter performance comparison



Surgical face mask Type II:
 $\geq 98\%$ in terms of bacteria



FFP2 respirator:
 $\geq 94\%$ in terms of viruses