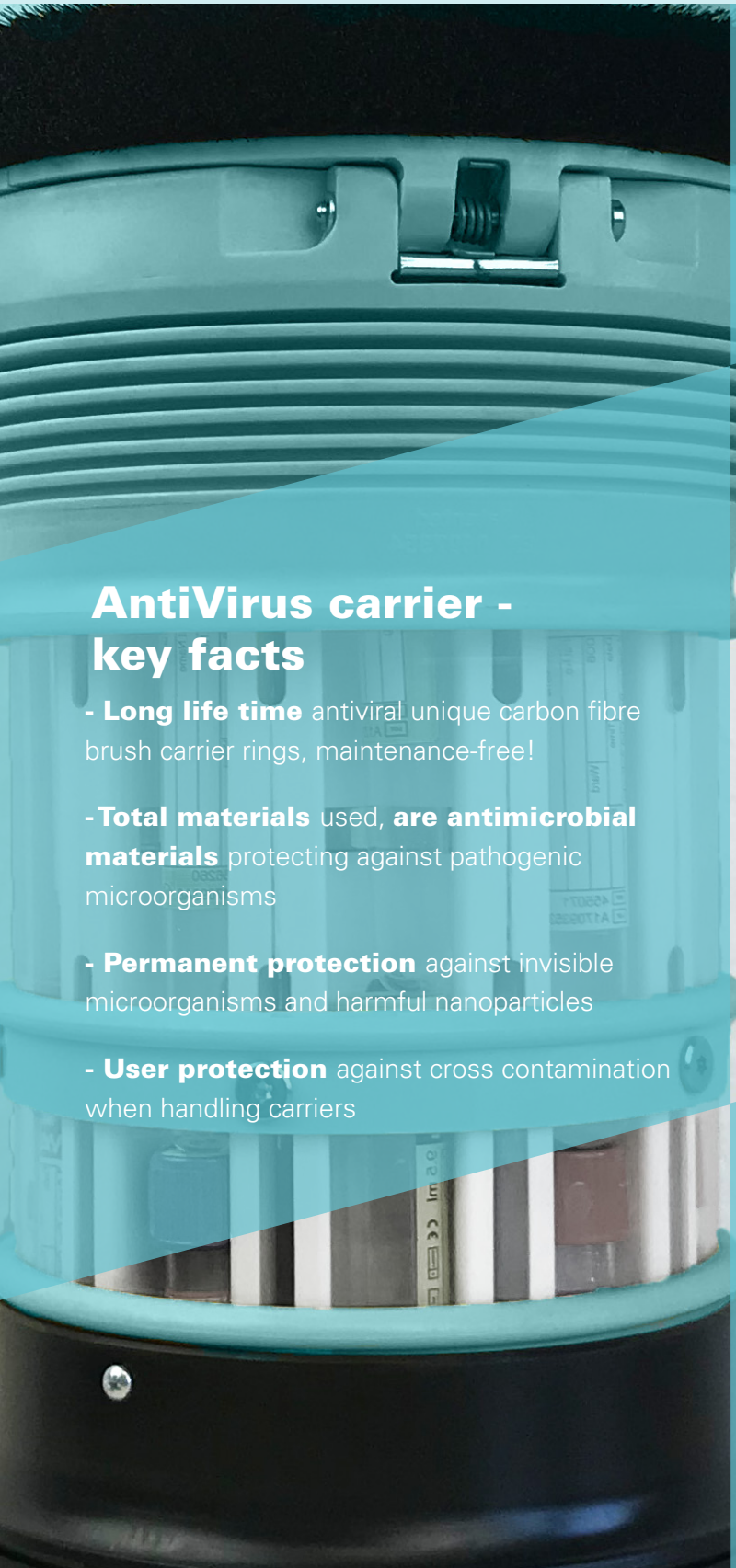
Sumetzberger®
Technology in motion

AntiVirus® carrier

Reliable protection against viruses and bacteria



Silver ion technology

Third party test report according to ISO 21702 & ISO 22196

ANTI VIRUS

AntiVirus carrier - key facts

- **Long life time** antiviral unique carbon fibre brush carrier rings, maintenance-free!

- **Total materials** used, **are antimicrobial materials** protecting against pathogenic microorganisms

- **Permanent protection** against invisible microorganisms and harmful nanoparticles

- **User protection** against cross contamination when handling carriers

Authorised laboratory third party test reports

ISO 22196 - 99.99 % antimicrobial activity against E.coli and Staph.aureus

ISO 21702 - 43 % antiviral activity - tested with Human Coronavirus NL63

Carrier 160	Swivel lid short Swivel lid long Automatic (+ insert)
Carrier 110	Swivel lid short Swivel lid long Automatic (+ insert)
Carrier 108	Swivel lid Automatic (+ insert)
Carrier 6 “	Swivel lid Automatic (+ insert)
Carrier 4 “	Swivel lid Automatic (+ insert)

AntiVirus carrier for maximum safety for staff and patient

Sumetzberger innovative AntiVirus pneumatic tube carriers set new standards in terms of cleanliness and hygiene as well as the reduction and prevention of cross-contamination. Due to antimicrobial properties, these pneumatic tube carriers are ideal for use in highly frequented environments.
The antimicrobial materials used, reduce the presence and spread of pathogenic microbes (ISO22196 E.coli & Staph.aureus; ISO 21702 Human Coronavirus NL63) demonstrably.
AntiVirus carriers guarantee protection against invisible microbes around the clock and can be used at any time without risk. This ensures maximum safety for staff and patients.

Silver ion technology - How it works

The unique and novel composition of materials with „Ionic Silver Glass Matrix“, silver ions in polymer matrix and additives from copper salts guarantees maximum protection against viruses and bacteria.

The silver ions are embedded in a material substrate (polymer matrix, glass matrix) and are released by ambient humidity. This tested technology is approved and complies with various regulations.
In contrast to nanotechnology, silver additives are embedded in a solid matrix, which prevents a harmful release of nanoparticles.

The silver ion technology interrupts vital functions and properties. When the cell membrane is damaged, the loss of important nutrients is caused which leads to a structural failure of the microbes. The damage to the proteins ensures a failure of essential functions of the microbes. The oxidative damage interrupts cell respiration and leads to damage of internal systems. The DNA interference multiplication of the DNA cells is also prevented by the disruption of the microbes’ genetic material.

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... AND MORE THAN 60 PARTNERS WORLDWIDE...