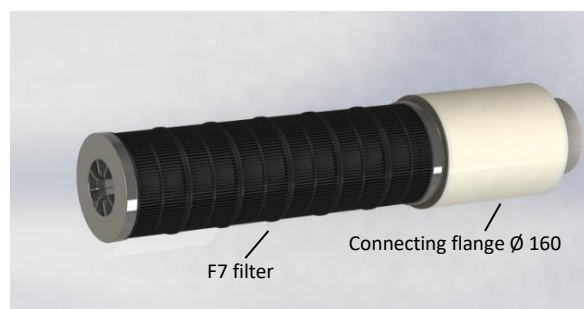
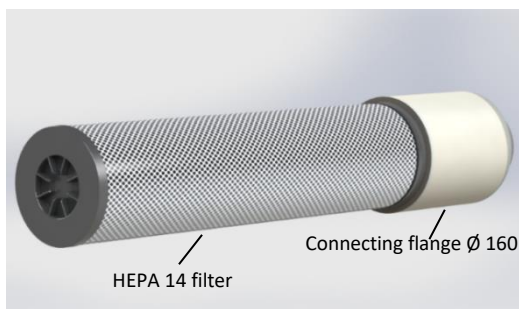


Air filter for sterile air applications



Blower connection



Assembly example



Use

To minimize the spread of dust, viruses, bacteria and spores, special filter cartridges have been developed for pneumatic tube applications. There is an air exchange (pressure/suction) on end stations and on blowers. Possible contamination can be minimized by using appropriate air filters. According to the specifications of clinics or industrial applications, various filter classes are available.

The connection flange with bayonet closure has a diameter of 160 mm and can be easily mounted on the ceiling or wall with existing pipe clamps. The replacement of the filter cartridges is possible by the bayonet closure without tools.

Filter grade

Filter grade	Active coal	Coarse particle filter	Fine particle filter	Fine particle filter	High Efficient Particle Filter
	AC	G4	F7	F9	HEPA 14
Size of particle	-	> 10 µm	1-10 µm	1-10 µm	< 1 µm
Filtration		Insects Sand Spores Pollen Cement dust Fly ash - -	✓ ✓ ✓ ✓ ✓ ✓ Germes Oil smoke/soot Bacteria Tobacco smoke -	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ Fine dust - - -	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ Aerosols Oil vapor Viruses
Usage	Used for cutting off odours & reducing smells	Pre-filter and contamination protection of the system	End filters for lower requirements in factories and warehouses	End filters for offices, production rooms, food and pharmaceutical industries as well as medical rooms	End filter for clean rooms of classes 10
Measurements L x Ø (mm)	450 x 147	240 x 147	450 x 147	625 x 147	625 x 147
Article No.	741.321.030	741.321.025	741.321.020	741.321.015	741.321.010

Connection flange of the filter cartridge with bayonet closure

Measurements L x Ø (mm)	187 x 160
Article No.	741.321.005

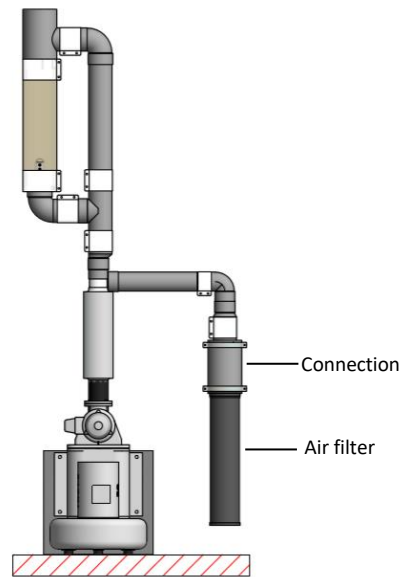
Air filter for sterile air applications

Lifecycle of the filter cartridges

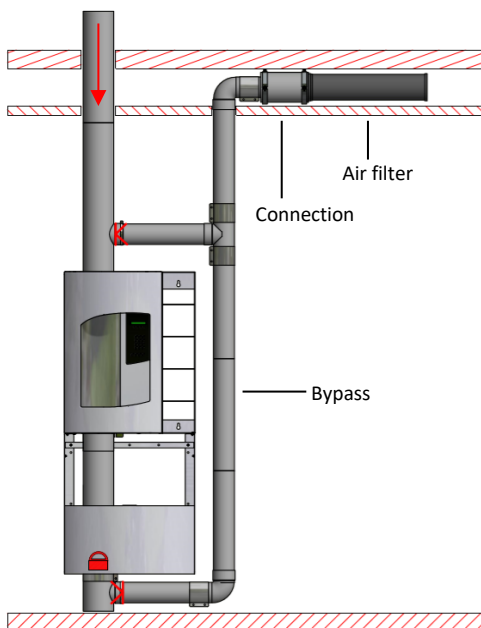
Based on the hygiene guidelines according to VDI622, we recommend replacing the air filter after 12 months. (If there is no pre-filtering of the circulating air)
If the recirculated air is already pre-filtered, longer replacement intervals of up to 24 months may also be possible.

Example

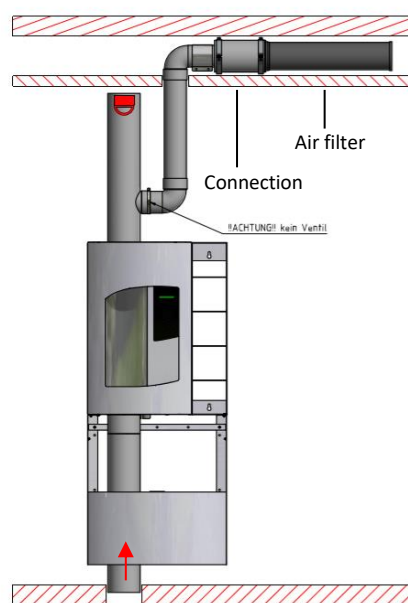
Connection of an air filter directly on the blower.
No particles enter the pipe system!



Connection of an air filter at the end station, when receiving from above or from below. This also prevents critical areas from being contaminated by leaking air.



End station – Receiving from above



End station – Receiving from below