

MEDAIR

601 and 504

user selection guide

## QUICK START GUIDE

To let user can easy to define their actual environment situation and needs, we have try to list out some of the most popular case for user as reference. Recommendation provide for user to consider.

Note: ElectroMed = ELM / MediaMed = MEM / ChemMed = CHM / CarbonMed = CAM

A/ **HOME Case:** 601 or 504 Series: Select by area size with less number of occupants and under normal pollutant level

A1	Home Bedroom and small Dinner Room etc... for normal IAQ improve	504 ELM / MEM	504 capacity can effective for normal home use with individual room area not over 500 ft.2.
A2	Normal home with new born baby, elderly or sick	504 ELM / MEM	504 capacity can effective for normal home with new born baby, elderly or sick use with individual room area not over 200 - 300 ft.2.
A3	Home with new decoration works or new furniture feel uncomfortable	504 / 601 CHM / CAM	CHM for normal continuous decoration smell and CAM for strong decoration smell. 504 for room < 300 ft. or 601 for room 300 - 600 ft.2
A4	Home with pets smell and hair	504 / 601 CHM	CHM for continuous pollutant source of pet smell. Pet hair is very large that can be filter out by the antimicrobial washable filter, bacteria can be killed by the LED UV with PCO filter, plasma ion make the room more fresh finally. Consumable filter e.g. HEPA is never recommend for case with pets. 504 form room < 250 ft.2 or 601 for room 300 – 600 ft.2
A5	Home with heavy dust particles or with serious mold & mold spore	504 / 601 ELM	ELM design for free of filter replacement and very effective for dust particles, bacteria & virus remove. If the area confirm with heavy dust, mold or mold spore problem, then user can save up much running cost by regular washing instead of filter replace. 504 for room < 300 ft.2 or 601 for room < 700 ft.2
A6	Home with cross-contamination of bacteria or virus	504 / 601 ELM	The 9,000 volts design of the electrostatic precipitator chamber of ELM can kill all kinds of bacteria & virus immediately, comply with other standard filtering function including antimicrobial pre-filter and PCO filter. ELM provide us a direct and effective choice for case of cross-contamination. 504 for room < 300 ft.2 or 601 for room < 600 ft.2
A7	Home with Smoker	504 / 601 ELM	ELM specially design for fine dust particles including smoke and related harmful chemical gas. User may just need to wash the EP chamber more frequency to maintain the best performance. Filter e.g. HEPA type is never recommend for case with cigarette or cigar smoke, such sticky chemical oil e.g. Tar and Nicotine are easy to stick on the filter surface and jam the holes, smell also will be accumulate and flow out back into the room continuously finally, user use HEPA type except you plan to replace the HEPA once a week. 504 for room < 200 ft.2 or 601 for room < 500 ft.2
A8	Home family with allergy and sneeze	504 / 601 ELM / MEM	Most common case of allergy and sneeze has been confirmed are caused by particles pollutant e.g. fine dust, mold spore, smoke and pollen. (In Hong Kong, are over 95% case). ELM and MEM are also effective to remove the particles pollutants. 504 for room < 300 ft.2 or 601 for room < 700 ft.2



# MedAir Selection Guide

Select the most suitable model for you

A/ **OFFICE Case:** 601 or 504 Series: Select by area size with normal to many occupants and under normal to high pollutant level

B1	Office with Reception Counter, Manager and small Conference Room etc... looking for for general IAQ improve	504 ELM / MEM	504 capacity can effective for normal office use with individual room area not over 500 ft.2.
B2	Office with Reception Counter, Manager and Conference Room etc... to prevent colleagues under cross-contamination	504 / 601 ELM	The 9,000 volts design of the electrostatic precipitator chamber of ELM can kill all kinds of bacteria & virus immediately, comply with other standard filtering function including antimicrobial pre-filter and PCO filter. ELM provide us a direct and effective choice for case of cross-contamination. Normal case: 504 for room < 300 ft.2 or 601 for room < 600 ft.2 / Serious case: 504 for room < 200 ft.2 or 601 for room < 500 ft.2
B3	Office with new decoration works or new furniture feel uncomfortable	504 / 601 CHM / CAM	CHM for normal continuous decoration smell and CAM for strong decoration smell. 504 for room < 300 ft. or 601 for room 300 - 600 ft.2
B4	Office with Ozone chemical and bad smell generated out from Photocopier	504 / 601 MEM	MEM can filter out the fine dust particles from photocopier e.g. carbon and paper particles. The PCO filter can effective to oxidize the Ozone molecule and remove the bed smell finally. To design to use the 601 or 504 should not base on the area size in this case, we should design for number of photocopier use in the area. 504 for 1 – 2 nos. of photocopier, 601 for 3 – 5 nos. of photocopier inside a room. Or we should put MEDAIR close to the photocopier.
B5	Office pantry or conference room with lunch box's smell	504 CHM	The Catalytic Chamber of ChemMed can oxidize the smell effectively, that long service lifetime chamber can save up much running cost for user, filter ifetime for such case may last for 2 – 3 years.
A6	Office with Smoker	504 / 601 ELM / CAM Remarks: ELM for smoker room BUT CAM for outside room	ELM specially design for fine dust particles including smoke and related harmful chemical gas. User may just need to wash the EP chamber more frequency to maintain the best performance. Filter e.g. HEPA type is never recommend for case with cigarette or cigar smoke, such sticky chemical oil e.g. Tar and Nicotine are easy to stick on the filter surface and jam the holes, smell also will be accumulate and flow out back into the room continuously finally, user use HEPA type except you plan to replace the HEPA once a week. 504 for room < 200 ft.2 or 601 for room < 500 ft.2. Or user can locate CAM outside but close to the smoking room e.g. side of the door, such design is effective to prevent the smoke chemical and smell to affect other colleagues at outside, when the pollutant leakage out to outside through the door crack, CAM can purify the polluted air directly. Note: The outside area will always be affected by smoke chemical & smell mainly, smoke particles will always be stay inside the smoking room and falling down on lower level, so CAM is the best choice for outside colleagues.