Portable (Personal) Air Filtration Devices Guidance

No UV lighting emitting devices shall be allowed inside schools/ancillary buildings
For the following reasons:

- UV lighting is harmful to eyes and skin (can cause vision & skin damage)
- The bulbs can break easily and release mercury (EPA) into the indoor air environment
- It is only effective on the air which passes directly around the light
- The UV light must have contact time to be effective on the air passing through

No ozone generating devices shall be allowed inside school/ancillary buildings
The American Lung Association states the following groups are especially vulnerable to the effects of breathing ozone; children and teens, anyone 65 and older, and people with existing lung diseases, such as asthma and chronic obstructive pulmonary disease (also known as) COPD, which includes emphysema and chronic bronchitis

Noise Level shall not exceed 35 dBA during occupied class time
ANSI S12.60-2002 Acoustical Performance Criteria, Design Requirements and Guidelines for Schools (ANSI, 2002), that, based on room size, recommends background noise level not exceed 35 dBA, reverberation time (RT) not to exceed 0.6-0.7 seconds, and a SNR of +15 dB per American Speech-Language-Hearing Association

Allowable Devices (for personal workspace, powered by electrical wall outlet)
Shall be designed and Underwriters Laboratory (UL) or Intertek’s Electrical Testing Labs (ETL) rated by manufacturer

Bipolar Ionization
Bipolar ionization is an air purifying technology that is acceptable by American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the American Society for Clinical Pathology (ASCP). BPS has been using this technology as HVAC systems are upgraded. Some of the manufacturers of these products are: AERiSa, Coway, Global Plasma Solutions, RabbitAir, and, Winix

Samples of acceptable High Efficiency Particulate Air (HEPA) Filtration & Purification Units

Filtration only type units permitted are:
- Honeywell HEPA HPA models: 100 or 200 or 300
- Levoit LV-H133
- Winix True HEPA 3 Stage-Air Purifier models: D360 or D480
- Medify MA-14W2 or MA-112 Medical Grade Filtration

Better Purification type units are:
- Conway models: Mighty AP-1512HH or Airmega AP-15188R
- Rabbit Air models: MinusA2 Ultra Quiet or BioGS 2.0 Ultra Quiet
- Winix HEPA with PlasmaWave Technology models: HR900 or 5300 or 5500

Link to Association of Home Appliance Manufacturers - Listing of Certified Room Air Cleaners
AHAM certified air purifiers and air cleaners have been tested and rated by the Association of Home Appliance Manufacturers for their ability to clean tobacco smoke, dust, and pollen from a room.

https://www.ahamdir.com/room-air-cleaners/