

Comparison Table / METISAFE AC-1500 vs. IQ Air

SPECIFICATION	IQ Air Healthpro 250	Coda Air Eco 1200	METISAFE AC-1500	DESCRIPTION
Airflow Pattern	Air return at bottom Air supply at top-4 sides	Air return at bottom-2 sides Air supply at & top-2 sides	Air return at bottom-under Air supply at top & 3-sides High supply - low return airflow pattern	Because of airflow short-circuit, the particle removal efficiency decreases at instruments with side panel air supply and return designs.
Dimensions in cm WxDxH	38x41x71	38x50x144	494x710x189	High tower specification of AC-1500 has an increased air uniformity at room air distribution.
Positive Room Pressuring	Integrated Recirculation + Fresh air supply on the SAME instrument. No need of extra device.	Independent Recirculation + Fresh air supply by SEPERATE instruments. Needs extra blower & filters.	Integrated Recirculation + Fresh air supply on the SAME instrument. No need of extra device.	Extra instrument causes difficulties on control, standardization and/or performance of the room pressuring adjustments.
Negative Room Pressuring	Independent Recirculation + Air Exhaust by SEPERATE instruments.	Independent Recirculation + Air Exhaust by SEPERATE instruments.	Integrated Recirculation + Air Exhaust on the SAME instrument.	Extra instruments cause complexity of installation and increase the maintenance cost and efforts.
Recirculation/Fresh Air Rate Adjustment	NA	NA	Available	Recirculation / Fresh air rate adjustment availability provides flexibility of application in a wide spectrum from residential use to IVD manufacturing
Maksimum Airflow Rate (m3/h)	HEPA H12 475 m3/h HEPA H13 190 m3/h	NA	HEPA H14 1500 m3/h	
Filtration Grades & Filter Types	1. Pre-Filter Class F8 2,8 m2 2. Gas-odor filter 2,5 kg 3a. HEPA Filter H12 5,0 m2 3b. HEPA Filter H13 5,0 m2 Instrument Specific Filters	1.Pre-Filter ? 2.Pre-Filter ? 3.Gas-Odour filter 11 kg 4.HEPA Filter Type? Instrument Specific Filter Kit	Standard Recirculation Mode 1. First Pre-Filter EU4 2.Second Pre-Filter EU7 Compact 9 m2 (optional active carbon filter) 3. High Capacity V Module HEPA Filter H14 15 m2 For positive pressure Configuration Additional Fresh air Pre-Filter For Negative Pressure Configuration Additional Pre-Filter Additional Exhaust HEPA Filter H13 All Generic Size Filters	HEPA and prefilters are produced with standard sizes by a number of international manufacturer. It is easy to reach and obtain those generic filters. Maintenance cost and risk increase with device specific filters
D.O.P Test Port	NA	NA	Available	D.O.P. Test port important for independent test or validation company reports and certification.
Built-in UV Lamp	NA	NA	Available 2x15W	Internal filter directed UV is very important to kill organisms collected on the filters. Filters do not have microbial decontamination feature.
Max. Energy Consumption	135 Watt/440 m3/h	NA	65 W at 250 m3/h 85 W at 400 m3/h 160 W at 800 m3/h	
Noise level at 1 meter distance from unit	67 dB(A) at 440 m3/hour	NA	43 dB(A) at 250 m3/h (Stand-by) 50 dB(A) at 400 m3/h 60 dB(A) at 800 m3/h	
Control Panel	2 line LCD Display	NA	3,5" Touchscreen PLC Display	