CBRN International Air Sampler Comparison

Product	Air Flow & Type	50% capture microns (Sample)	Power / Battery	Weight	Mount Type	Temp. (C)	Applications
SASS 2300 Wetted-Wall Air Sampler	325 LPM wetted wall cyclone, patented. Microprocessor based, programmable, remote control, RS-232	1.5-2.0µ (4 to 5 ml liquid sample provided in 8 ml storage vial)	16.0 W Wall power or battery	3.7 kg	Vertical	0 - 66°	Where a liquid sample is needed, or for automated or remotely controlled systems. Onboard 8 ml storage vial. Public health, food processing, poultry, cooling towers, military, civil defense, mail rooms, agriculture, environmental, building health, subways, allergen monitoring, bird/swine flu.
SASS 2400 Low-Volume Air Sampler	40 LPM wetted wall cyclone, patented. Also available as a bare kit. Microprocessor controlled, programmable, remote control, RS-232	1.0-1.5µ (1 ml liquid sample provided in 8ml storage vial)	9.0 W Wall power or battery	3.7 kg	Vertical	0 - 66°	Where a liquid sample is needed, or for automated or remotely controlled systems. Small sample volume extends onboard makeup water. Onboard 8 ml storage vial. Nucleic acid-based assays. Public health, food processing, poultry, cooling towers, military, civil defense, mail rooms, agriculture, environmental, building health, subways, allergen monitoring, bird/swine flu.
SASS 3100 Dry Air Sampler	300 LPM dry filter type aerosol sampler. Microprocessor controlled, programmable, remote control, RS-232	0.5µ 4.4 cm effective diameter electret filter (4-8 ml liquid sample with SASS 3010)	8.4W Wall power or battery	1.8 kg	Any	-40° - 70°	Where a dry initial sample is preferred; below-freezing temperatures; long operation or long sample storage. Building health, food processing, hospitals, feedlots, environmental, clean rooms, nuclear facilities, UAV's, military, civil defense, subways, allergen monitoring, public health, bird/swine flu.

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SASS 4000 Aerosol Concentrator	Aerosol concentrator: 4000 LPM inlet air flow, 30-360 LPM secondary airflow	0.5µ Concentration increase of 4-15 times	160 W No battery	6.3 kg	Any	-40°- 70°	Two-stage high volume device concentrates aerosols for delivery to a collector. Large monitored area surrounding sampler; below-freezing operation, dry method, dilute aerosols. Shipping containers, farms, open air markets. Stadiums, building health, food processing, environmental, nuclear facilities, military, civil defense, allergen monitoring, public health, bird/swine flu, airports, train stations, subways.
SASS 4100 Two-Stage Aerosol Concentrator	Aerosol concentrator: 4000 LPM aerosol sampler, filter based	0.5µ Uses 3100 and 3100R filters (4-8ml liquid sample with SASS 3010)	160 W No battery	6.3 kg	Any	-40°- 70°	Large monitored area. Subzero. Dry method, one moving part. Shipping containers, farms, open air markets. Stadiums, building health, food processing, environmental, nuclear facilities, military, civil defense, allergen monitoring, public health, bird/swine flu, airports, train stations, subways.
SASS 4200 Vehicle-Mount Concentrator	Mobile concentrator: 4000 LPM inlet air flow, 40-360 LPM secondary airflow	0.5µ Concentration increase of 4-15 times	100 W No battery	6.3 kg	Vehicle roof	-40°- 70°	When large volumes need sampling on a mobile platform: high-volume 4200 is typically mounted outside, low flow volume collector inside vehicle. Subzero operation, dry method, shock resistant. Mobile trace monitoring: Cities, farms, open air markets, sporting events, stadiums, environmental, nuclear facilities, military, civil defense, allergen monitoring, public health, bird/swine flu.