








**Comparison Table for Research International Air Sampler Products**

Product	Air flow & type	50% capture microns (Sample)	Power (W)	Mass (kg)	Batt.	Mount	Temp. (C)	Applications/Examples
<p><b>SASS 2300 Wetted-Wall Air Sampler</b></p> 	<p>325 LPM wetted wall cyclone, patented</p> <p>microprocess or based, programmable, remote control, RS-232</p>	<p>1.5-2.0u (4 to 5 ml liquid sample provided in 8 ml storage vial)</p>	16.	3.7	Y	Vertical	0-66°	<p>Where a liquid sample is needed, or for automated or remotely controlled systems. Onboard 8 ml storage vial.</p> <p>Public health, food processing, poultry, cooling towers, military, civil defense, mail rooms, agriculture, environmental, building health, subways, allergen monitoring, bird/swine flu.</p>
<p><b>SASS 2400 Low-Volume Air Sampler</b></p> 	<p>40 LPM wetted wall cyclone, patented (also available as a bare kit)</p> <p>Microprocess or controlled, programmable, remote control, RS-232</p>	<p>1.0-1.5u (1 ml liquid sample provided in 8ml storage vial)</p>	9.	3.7	Y	Vertical	0-66°	<p>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.</p> <p>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.</p>

## Research International Technical Note

Product	Air flow & type	50% capture microns (Sample)	Power (W)	Mass (kg)	Batt.	Mount	Temp. (C)	Applications/Examples
<b>SASS 3100 Dry Air Sampler</b> 	300 LPM dry filter type aerosol sampler, Microprocess or controlled, programmable, remote control, RS-232	0.5u 4.4 cm effective diameter electret filter (4-8ml liquid sample with SASS 3010)	8.4	1.8	Y	Any	-40 to 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.
<b>SASS 3100R Air Sampler</b> 	80 LPM dry filter type aerosol sampler, microprocess or controlled, programmable, remote control, RS-232	99%@ 0.3u (4.4 cm effective diameter HEPA-type electret filter)	8.4	1.8	Y	Any	-40 to 70°	Where a radiological aerosol sample is required, or where a biological aerosol sample is needed with nearly 100% capture. Collects viral-sized particles. Airborne radionuclide collection, building health, food processing, hospitals, feedlots, environmental, clean rooms, nuclear facilities, UAV's, military, civil defense, subways, allergen monitoring, public health, bird/swine flu.

## Research International Technical Note

Product	Air flow & type	50% capture microns (Sample)	Power (W)	Mas s (kg)	Batt.	Mount	Temp. (C)	Applications/Examples
<b>SASS 4000 Concentrator</b> 	Aerosol concentrator: 3600 LPM inlet air flow, 40-360 LPM secondary airflow	0.5u Concentration increase of 4-15 times	100	6.3	N	Any	-40 to 70°	Two-stage high volume device concentrates aerosols for delivery to a collector. 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.
<b>SASS 4100 Two-Stage Aerosol sampler</b> 	3600 LPM aerosol sampler, filter based	0.5u Uses 3100 and 3100R filters (4-8ml liquid sample with SASS 3010)	100	6.3	N	Any	-40 to 70°	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.
<b>SASS 4200 Vehicle-Mount Concentrator</b> 	Mobile concentrator: 3600 LPM inlet air flow, 40-360 LPM secondary airflow	0.5u Concentration increase of 4-15 times	100	6.3	N	Vehicle roof	-40°C to 60°C	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.



17161 Beaton Road SE  
 Monroe, Washington 98272-1034  
 Tel: 360-805-4930 • Fax: 360-863-0439  
 E-mail: [info@resrchintl.com](mailto:info@resrchintl.com)  
[www.resrchintl.com](http://www.resrchintl.com)