

AIR PURIFICATION SYSTEM

TYPE: APS-1000/3000

VERTICAL MODELS



INTRODUCTION

MULTI-STAGE FILTRATION

Circul-Aire's advanced technology of gas phase and particulate filtration offers maximum contaminant control efficiency. The multi-stage design allows for selection of the required filters in a specific sequence to meet the requirements of each application.

VERTICAL OR HORIZONTAL MODELS

The A.P.S. is available for vertical or horizontal air flow patterns with or without plenums.

OPTIONAL INTAKE AND DISCHARGE

Intake and discharge openings can be located on the top, at the bottom, or on any side of the unit to suit various air flow patterns.

EASY ACCESS TO FILTERS

The filters and modules can be inspected and replaced in an instant by opening the access doors.

QUIET OPERATION FOR NOISE SENSITIVE ENVIRONMENTS

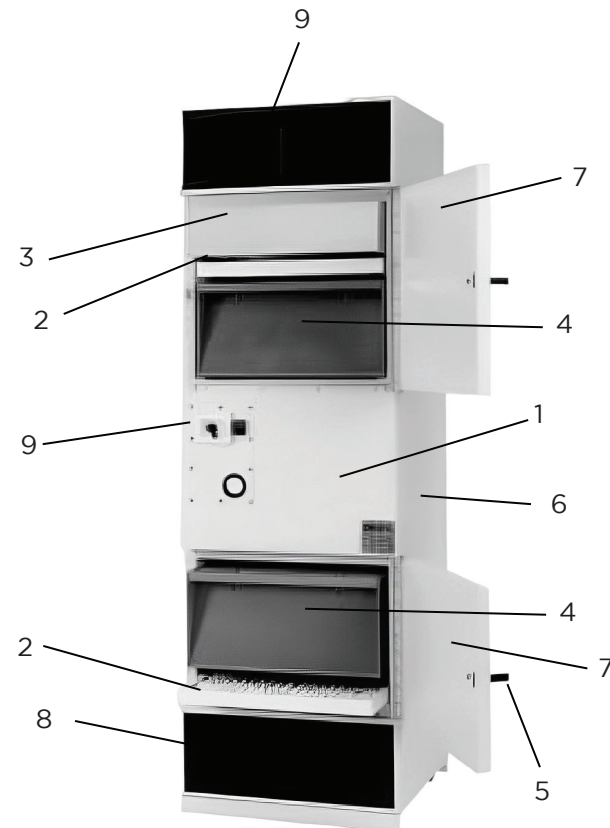
Insulated double-wall construction ensures quiet unit operation.

RECIRCULATION OR PRESSURIZATION

Circul-Aire's A.P.S. can be engineered for recirculation as well as pressurization applications.

PRODUCT FEATURE

1. Insulated double-wall panel construction. Corrosion resistant polyurethane enamel paint.
2. 30% efficiency filters for larger particulates.
3. 90% efficiency particulate filter.
4. Up to three MULTI-MIX® media stages for odors and gases.
5. Quick release latches with positive seal mechanism.
6. Belt-driven airfoil plug blower assembly with adjustable sheaves.
7. Full service access doors with piano hinges.
8. Supply and return deflection grills with optional integral manual damper.
9. Manual starter



HORIZONTAL MODELS (WITH PLENUMS)

A.P.S. MODELS	AIR FLOW RANGE		STAGES OF MEDIA	OVERALL DIMENSIONS						OPERATING WEIGHT*	
				H		W		D			
	CFM	m³/h		in.	mm	in.	mm	in.	mm	lb.	kg
A.P.S.-1000-HP	500 to 1200	850 to 2039	1 OR 2	30.0	762	91.0	2311	27.0	686	660 Or 760	299 Or 345
			3	30.0	762	106.0	2692	27.0	686	910	413
A.P.S.-1500-HP	1200 to 1700	2209 to 2889	1 OR 2	30.0	762	91.0	2311	39.0	991	835 Or 985	379 Or 447
			3	30.0	762	106.0	2692	39.0	991	1210	549
A.P.S.-2000-HP	1800 to 2200	3059 to 3738	1 OR 2	30.0	762	106.0	2692	51.0	1295	1270 Or 1670	576 Or 757
			3	30.0	762	122.0	3099	51.0	1295	2300	1043
A.P.S.-3000-HP	2800 to 3200	4758 to 5437	1 OR 2	42.0	1067	106.0	2692	51.0	1295	1695 Or 2295	769 Or 1041
			3	42.0	1067	122.0	3099	51.0	1295	2945	1336

HORIZONTAL MODELS (WITHOUT PLENUMS)

A.P.S. MODELS	AIR FLOW RANGE		STAGES OF MEDIA	OVERALL DIMENSIONS						OPERATING WEIGHT*	
				H		W		D			
	CFM	m³/h		in.	mm	in.	mm	in.	mm	lb.	kg
A.P.S.-1000-HP	500 to 1200	850 to 2039	1 OR 2	30.0	762	71.0	1803	27.0	686	625 Or 725	283 Or 329
			3	30.0	762	86.0	2184	27.0	686	885	401
A.P.S.-1500-HP	1200 to 1700	2209 to 2889	1 OR 2	30.0	762	71.0	1803	39.0	991	795 Or 945	361 Or 429
			3	30.0	762	86.0	2184	39.0	991	1170	531
A.P.S.-2000-HP	1800 to 2200	3059 to 3738	1 OR 2	30.0	762	86.0	2184	51.0	1295	1215 Or 1615	551 Or 732
			3	30.0	762	102.0	2591	51.0	1295	2245	1018
A.P.S.-3000-HP	2800 to 3200	4758 to 5437	1 OR 2	42.0	1067	86.0	2184	51.0	1295	1630 Or 2230	739 Or 1011
			3	42.0	1067	102.0	2591	51.0	1295	2880	1306

A.P.S. PERFORMANCE DATA

A.P.S. MODELS	VOLTAGES	HORSEPOWER		FULL LOAD RPM
		HP	kW	
A.P.S.-1000	575/3/60	1.0	0.75	1700
A.P.S.-1500	460/3/60	1.5	1.1	1700
A.P.S.-2000	230/240/3/60	2.0	1.5	1710
A.P.S.-3000	230/240/3/60	3.0	2.2	1740
A.P.S.-1000	230/240/1/60	1.0	0.75	1755
A.P.S.-1500	115/1/60	1.5	1.1	1735

A.P.S. APPLICATIONS AND SERVICES

SECTORS	APPLICATIONS	AREAS	
Health	Contaminant Control	<ul style="list-style-type: none"> Operating & autopsy rooms Medical research centers Laboratories 	<ul style="list-style-type: none"> Daycare centers Cafeterias Smoking rooms Senior citizens homes
Educational	Air Quality Control	<ul style="list-style-type: none"> Classrooms Locker rooms 	<ul style="list-style-type: none"> Sport facilities Cafeterias
Industrial	Corrosion & Odor Control	<ul style="list-style-type: none"> Computer rooms Rack rooms Clarifiers 	<ul style="list-style-type: none"> Digesters Exhaust Processor areas
Museums & Art Galleries	Preservation of Artifacts	<ul style="list-style-type: none"> Exhibition halls Archives 	<ul style="list-style-type: none"> Libraries Restricted storage areas Public museums & art galleries

MULTI-MIX® MEDIA & TECH-CHEK™ SERVICE

Circul-Aire's MULTI-MIX® is a proven filter media which provides continuous purification of corrosive, odorous and toxic contaminants in industrial and commercial environments. MULTI-MIX® media combines the adsorption properties of activated carbon with the oxidation properties of chemically impregnated alumina. For more information on MULTI-MIX® media, refer to our brochures on this product.

Media analysis through our TECH-CHEK™ Program ensures maximum efficiency of our products. A complete computerized report establishes media replacement schedule for each unit. Circul-Aire's laboratory can also provide additional performance tests for specific air contaminants.