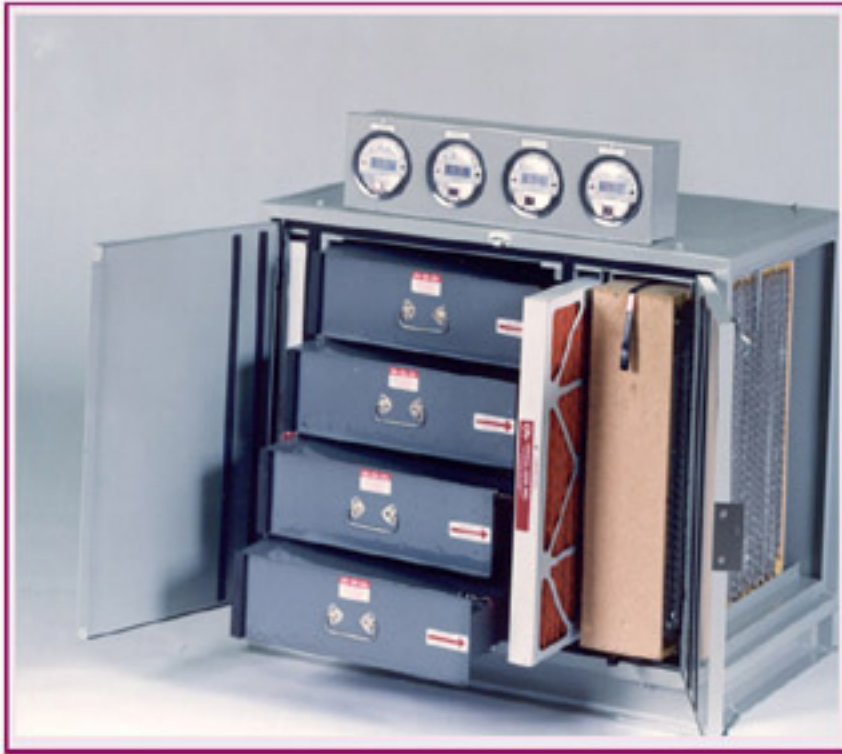




CIRCUL-AIRE



COMPLETE AIR FILTRATION HOUSING

UNIVERSAL SIDE ACCESS HOUSING

Circul-Aire's USAH Universal Side Access Housing System offers all the advantages of a conventional side access housing unit: total flexibility in the selection and combination of particulate filter elements, more productive use of mechanical space, greater ease of servicing, reduced maintenance costs, more enhanced air quality.

Maximum versatility in the selection of gas phase filter elements allows the designer to choose among a broad range of specially-formulated MULTI-MIX filter media and the right combination of gas phase filter elements to meet the precise needs of each installation.

The USAH Universal Side Access Housing System offers total design flexibility for the control of particulate contaminants as well as gaseous contaminants.

USAH

FEATURES...

- **COMPLETELY FACTORY ASSEMBLED**
The USAH is shipped ready to be installed. No field assembly is required.
- **RUGGED CONSTRUCTION**
Fabricated of 1.6 mm (16 gauge) zinc-coated steel protected by a three coat corrosion resistant paint, standard housing features a Penta-Post frame design reinforced by a sturdy U-channel base for structural rigidity and maximum operating life.
- **FILTER MOUNTING TRACK**
The USAH features an extruded aluminium filter mounting track incorporating a nylon pile seal to prevent air bypass. A wide variety of optional tracking sizes makes it possible to accept virtually any specified configuration of filter elements within the unit.
- **SIZE FLEXIBILITY**
A wide range of available sizes allows the USAH to be tailored to the needs of a customer's air handling system, regardless of the system capacity.
- **GASEOUS FILTRATION MODULES**
MM modules are constructed of 24 gauge perforated steel with a corrosion-resistant paint finish. Each removable module includes quick-release access plates which require no service tools. Stainless steel modules available on request.
- **SEALING INTEGRITY**
Positive seal is accomplished by providing neoprene foam seals on all doors, nylon pile seals on media filter tracks and leakproof silicone sealant on all mating joints.
- **EASY MAINTENANCE**
Heavy-duty side access doors employ quick release latches to facilitate filter inspection and changeout.
- **TECH-CHEK SERVICE**
Regular laboratory analysis of MULTI-MIX media samples (forwarded by the owner) are provided at no extra charge to establish precise media life cycles.

OPTIONS

FILTERS

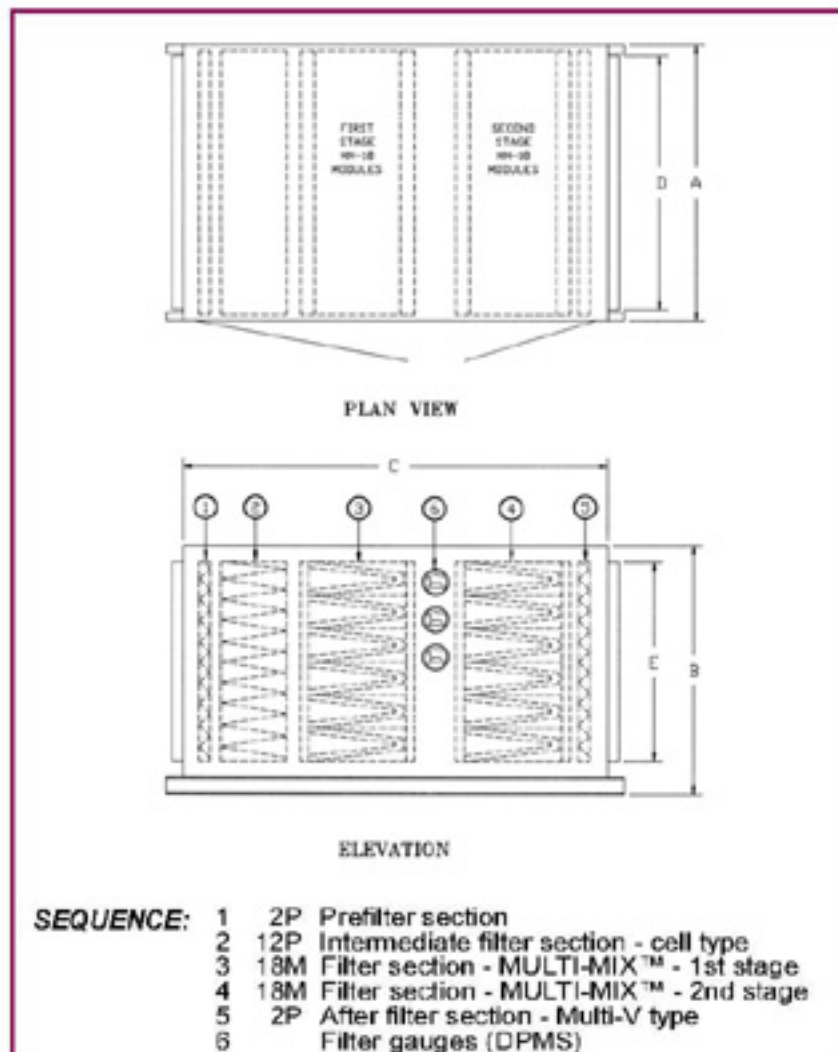
- 20% - 30% (ASHRAE*) efficiency, particulate prefilters.
- 60% - 90% (ASHRAE*) efficiency particulate intermediate filters.
- Rigid, deep bag or high efficiency (99.9% ASHRAE*) HEPA filters.
- Inertial separators as prefilters for high dust loading applications.

MEDIA

- Various media formulations to meet specific gaseous contaminant removal requirements.

TYPICAL FILTER COMBINATIONS (examples)

STAGE	COMPONENTS		
	COMMERCIAL OFFICE BUILDING	HOSPITAL	PULP & PAPER MILL
1	30% preliminary particulate filter	30% preliminary particulate filter	30% preliminary particulate filter
2	90% intermediate particulate filter	90% intermediate particulate filter- 12"	90% intermediate particulate filter
3	MULTI-MIX™ -1000 gas phase media	MULTI-MIX™ -1000 gas phase media	MULTI-MIX™ -9000 gas phase media
4	MULTI-MIX™ -3000 gas phase media	MULTI-MIX™ -3000 gas phase media	MULTI-MIX™ -1000 gas phase media
5	30% final particulate filter	30% final particulate filter	30% final particulate filter
6		99.9% absolute filter - 12"	



DIMENSIONS - MODEL U S A H								
SIZE	CFM	A	B	C**	C***	D	E	WEIGHT (lb)
102	1000	26	18	52	72	22	14	340
104	2000	50	18	52	72	46	14	650
202	2000	26	30	52	72	22	26	600
204	4000	50	30	52	72	46	26	1100
402	4000	26	54	52	72	22	50	1100
404	8000	50	54	52	72	46	50	2100
406	12000	74	54	52	72	70	50	3100
408	16000	98	54	52	72	94	50	4050
604	12000	50	78	52	72	46	74	3100
606	18000	74	78	52	72	70	74	4550

** Single Stage *** Two stage

* AMERICAN SOCIETY OF HEATING, REFRIGERATING and AIR-CONDITIONING ENGINEERS
NOTE: All dimensions are approximate. Select multiple units above these sizes or contact Head Office for special components, applications or capacities.