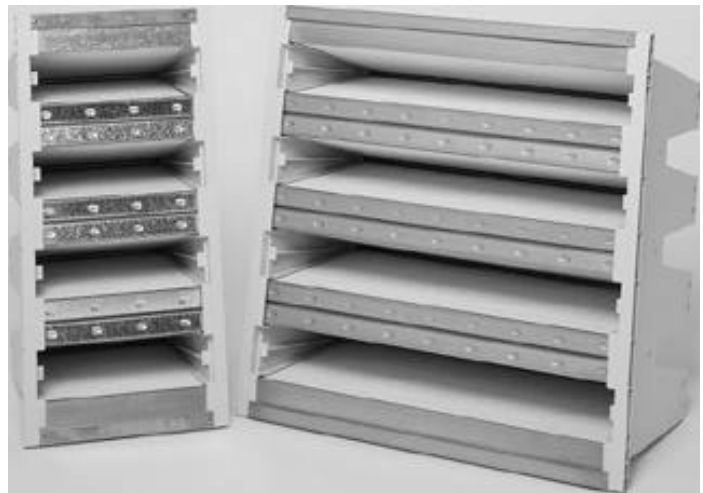


FILTER SELECTION DATA SHEET **SERVA-cell VA 65/85/95** **V-Configuration Rigid cell filter**

Purolator **Filtration** **Systems**

Introduction

- The Purolator SERVA-cell VA offers the benefits of ASHRAE filtration performance, lightweight materials, and industrial strength construction able to withstand nominal air flow of 2500 CFM.
- Low pressure drop and maximum use of the filtration surface area combine to increase filter service life and allowing for maximum efficiency ratings.
- The SERVA-cell VA captures particulate in the size range of fine dust, soot, pollen, smoke, bacteria, and vapor making it ideal for most air conditioning filter applications.
- Since they are self-contained and sized for most standard requirements, each SERVA-cell VA is maintenance free, and easy to replace (fits into most standard frames and housings).
- Average efficiency range: 65-95%
Average arrestance: 97-99%
Recommended air flow rate: 625 FPM
- Available in three filter face sizes with a depth under 12": 12 x 24, 20 x 24, and 24 x 24.



Media and Support

- Media: Consists of microfiberglass paper coated with a water repellent binder. This binder promotes media resistance to intermittent moisture exposure which might otherwise affect media performance. The media composition causes no dust migration or shedding, thereby protecting the HVAC system equipment.
- Pleat configuration: The key to high performance for the SERVA-cell VA is the consistency of pleat spacing provided by the newly developed concept which uses adhesive beads as a pleat separator.
- Pleat support: During assembly, beads of adhesive are applied on both the air-entering and air-exiting sides. The beads on neighboring sides bond together creating a formidable rigid media pak which will withstand turbulent air flow conditions.
- This method of pleat spacing construction greatly improves overall filter performance by providing consistent pleat alignment which promotes maximum exposure to media area, and lowers initial resistances.
- Fiber density increases gradually from the air-entering to the air-exiting side of the microfiberglass, providing dual density filtration action.

Purolator
Products Air Filtration Company

Construction features

- Frame: Available in plastic/galvaneal frame.
- To assure no dirty air bypass, the media pack is securely bonded to the periphery of the enclosure frame.
- Tested in accordance with U.L. Standard 900 (listing pending). Tested to ASHRAE 52.1-1992 standards (ASHRAE 52.2 test pending).
- Recommended operating temperature: 200°F.

Suggested product specifications

1. The filter shall be the SERVA-cell VA as manufactured by Purolator Products Air Filtration Company.
2. Air filters shall be the SERVA-cell VA air filter type engineered to provide medium and high efficiency filtration combined with a prolonged life cycle.
3. The filter media shall consist of a microfiberglass paper coated with a water repellent binder.
4. The frame shall be plastic/galvaneal frame.
5. During assembly, beads of adhesive shall be applied every 1-1/4" on both the air-entering and air-exiting sides. The beads on neighboring sides bond together creating a formidable rigid media pak which will withstand turbulent air flow conditions.
6. When tested in accordance with ASHRAE Test Std. 52.1-1992 the filter media shall have an average efficiency of _____% and an arrestance of not less than _____%.
7. To assure no dirty air bypass, the media grid assembly shall be bonded to all interior surfaces of the enclosure frame.

Performance data: SERVA-cell VA

Series	Nominal size W x H x D	Actual Size W x H x D	SERVA-cell VA Model number*	Initial resistance inches w.g.			Media area/ Sq. ft.	Filter weight lbs.
				low 500	med 625	high 750		
65 60-65%	12 x 24 x 12	11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA65-2412	.25	.38	.60	97	7.5
	20 x 24 x 12	19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA65-0412	.25	.38	.60	162	11.5
	24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA65-4412	.25	.38	.60	193	13.0
85 80-85%	12 x 24 x 12	11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA85-2412	.27	.40	.60	97	7.5
	20 x 24 x 12	19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA85-0412	.27	.40	.60	162	11.5
	24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA85-4412	.27	.40	.60	193	13.0
95 90-95%	12 x 24 x 12	11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA95-2412	.37	.52	.65	97	7.5
	20 x 24 x 12	19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA95-0412	.37	.52	.65	162	11.5
	24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₄	SLVA95-4412	.37	.52	.65	193	13.0



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