

Purolator

SERVA-CELL® Full Box

Extended Surface ASHRAE-Rated Filter



Introduction

- Purolator's SERVA-CELL™ Full Box is a high efficiency, extended surface, ASHRAE-rated air filter. Its Full Box design allows for increased surface area when compared to headered models.
- Its full box filter construction eliminates the need for retainers and special external wire media supports.
- A high surface area to depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space.
- Applications: For conditions such as high humidity, turbulent airflow, intermittent water exposure, and elevated operating temperatures $\leq 350^{\circ}\text{F}$.
- Available in MERV 14, 13 and 11
- Rated airflow: 500 FPM (625 FPM Max.)
- Available in seven filter face sizes and two depth sizes—6", 12".

Media and Support

- Media: Continuous sheet of non-combustible, waterproof, micro fiberglass.
- Pleat configuration: Radial-edge configuration promotes maximum exposure of media surface area to airflow.
- Pleat support: Pleated around corrugated aluminum separators with rolled edges. All filter packs to be woven on an automatic weaving machine.
- Media area/square foot: See Performance data chart.

Construction Features

- Frame: All metal, corrosion resistant, aluminized steel casing.
- The media pack is bonded and secured to the four inner surfaces of the frame with a non-toxic adhesive.
- Tested in accordance with UL Standard 900 and ASHRAE 52.2-2007.
- Maximum operating temperature: $\leq 350^{\circ}\text{F}$.

Product Specifications

1. The filter shall be the SERVA-CELL Full Box as manufactured by CLARCOR Air Filtration Products, under the brand name Purolator.
2. Air filters shall be the rigid-cell 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 continuous sheet of non-combustible, waterproof, micro fiberglass media pleated around radial-edge, corrugated aluminum separators. These separators shall fully support the media while exposing its maximum surface area to airflow.
4. Aluminum separators shall have rolled edges to prevent damage to the media.
5. Product available in MERV 14, 13 and 11 per ASHRAE 52.2-2007.
6. The filter pack shall be enclosed in an all-metal, corrosion-resistant, steel casing protecting the filter from shipping damage and allowing it to withstand demanding service conditions.
7. The media pack is sealed on all four sides with a layer of high loft fiberglass medias.
8. Filters shall be classified per UL Standard 900 for flammability.

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Performance Data: SERVA-CELL FULL BOX

Series	Nominal size W x H x D	Actual Size W x H x D	SERVA-CELL Model number	Rated capacity CFM	Initial resistance inches w.g.	Media area/ Sq. ft.	Filter weight lbs.	
65 MERV 11	24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB65-4412	2000	.40	142	22	
	20 x 25 x 12	19 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB65-0512	1750	.40	124	21	
	20 x 24 x 12	19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB65-0412	1650	.40	119	21	
	20 x 20 x 12	19 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB65-0012	1400	.40	99	17	
	16 x 25 x 12	15 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB65-6512	1400	.40	97	17	
	16 x 20 x 12	15 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB65-6012	1100	.40	77	15	
	12 x 24 x 12	11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB65-2412	1000	.40	70	15	
	24 x 24 x 6	23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB65-4406	1000	.20	64	14	
	20 x 25 x 6	19 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB65-0506	875	.20	56	12	
	20 x 24 x 6	19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB65-0406	825	.20	54	10	
	20 x 20 x 6	19 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB65-0006	700	.20	45	10	
	16 x 25 x 6	15 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB65-6506	700	.20	44	10	
	16 x 20 x 6	15 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB65-6006	550	.20	35	9	
	12 x 24 x 6	11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB65-2406	500	.20	31	8	
	85 MERV 13	24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB85-4412	2000	.55	142	22
		20 x 25 x 12	19 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB85-0512	1750	.55	124	21
20 x 24 x 12		19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB85-0412	1650	.55	119	21	
20 x 20 x 12		19 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB85-0012	1400	.55	99	17	
16 x 25 x 12		15 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB85-6512	1400	.55	97	17	
16 x 20 x 12		15 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB85-6012	1100	.55	77	15	
12 x 24 x 12		11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB85-2412	1000	.55	70	15	
24 x 24 x 6		23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB85-4406	1000	.35	64	14	
20 x 25 x 6		19 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB85-0506	875	.35	56	12	
20 x 24 x 6		19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB85-0406	825	.35	54	10	
20 x 20 x 6		19 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB85-0006	700	.35	45	10	
16 x 25 x 6		15 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB85-6506	700	.35	44	10	
16 x 20 x 6		15 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB85-6006	550	.35	35	9	
12 x 24 x 6		11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB85-2406	500	.35	31	8	
95 MERV 14		24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB95-4412	2000	.65	142	22
		20 x 25 x 12	19 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB95-0512	1750	.65	124	21
	20 x 24 x 12	19 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB95-0412	1650	.65	119	21	
	20 x 20 x 12	19 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB95-0012	1400	.65	99	17	
	16 x 25 x 12	15 ³ / ₈ x 24 ³ / ₈ x 11 ³ / ₈	SLB95-6512	1400	.65	97	17	
	16 x 20 x 12	15 ³ / ₈ x 19 ³ / ₈ x 11 ³ / ₈	SLB95-6012	1100	.65	77	15	
	12 x 24 x 12	11 ³ / ₈ x 23 ³ / ₈ x 11 ³ / ₈	SLB95-2412	1000	.65	70	15	
	24 x 24 x 6	23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB95-4406	1000	.38	64	14	
	20 x 25 x 6	19 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB95-0506	875	.38	56	12	
	20 x 24 x 6	19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB95-0406	825	.38	54	10	
	20 x 20 x 6	19 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB95-0006	700	.38	45	10	
	16 x 25 x 6	15 ³ / ₈ x 24 ³ / ₈ x 5 ⁷ / ₈	SLB95-6506	700	.38	44	10	
	16 x 20 x 6	15 ³ / ₈ x 19 ³ / ₈ x 5 ⁷ / ₈	SLB95-6006	550	.38	35	9	
	12 x 24 x 6	11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	SLB95-2406	500	.38	31	8	

1. Maximum final resistance: 1.5" W.G.

2. Optimal final resistance: Twice initial resistance.

3. Tested per ASHRAE 52.2-2007. Tested at 492 FPM face velocity on 24x24x12.

P-SERVABOX-0812



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