

Purolator

SERVA-CELL® 65/85/95

Extended Surface ASHRAE-Rated Filter



Introduction

- The Purolator SERVA-cell is a high efficiency, extended surface, ASHRAE rated air filter with aluminum separators.
- Its 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.
- MERV 11, 13 and 14 efficiencies available.
- Recommended airflow rate: 500 FPM (625 FPM Max.)
- Available in seven filter face sizes (see chart on back), and two depth sizes - 6", 12".

Media and Support

- Media: Continuous sheet of non-combustible, waterproof, microfiberglass.
- Pleat configuration: Radi-edge configuration promotes maximum exposure of media surface area to airflow.
- Pleat support: Pleated around radi-edge, corrugated aluminum separators. All filter packs to be woven on automatic weaving machine.
- Media area/square foot: See Performance Data chart on back.

Construction Features

- Frame: All metal, corrosion resistant, galvanized steel casing. Available with a single or double galvanized steel header.
- The media pack is bonded and secured with microfiberglass blanket and non-toxic adhesive on the upstream side.
- Available with a single-header or double-header option. Also available in a full box size.
- U.L. Classification: Per U.L. 900 for flammability
- Tested in accordance with U.L. Standard 900 and ASHRAE 52.2-2007.
- Maximum operating temperature: 350°F.



Suggested Product Specifications

1. The filter shall be the SERVA-cell as manufactured by Purolator Air Filtration.
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, microfiberglass media pleated around radi-edge, corrugated aluminum separators. These separators shall fully support the media while exposing its maximum surface area to airflow.
4. The radial configuration shall keep the separators from puncturing the media.
5. The filters shall be offered in MERV 11, 13 and 14, tested in accordance with ASHRAE 52.2-2007. Test at velocity of 492 FPM for a 24x24x2 filter.
6. The filter pack shall be enclosed in an all-metal, corrosion-resistant, galvanized steel casing protecting the filter from shipping damage and allowing it to withstand demanding service conditions.

(Suggested Product Specifications continued on back)

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Suggested Product Specifications (continued)

7. The pack shall be bonded to four inner surfaces of the metal frame to secure it firmly in place and prevent air bypass.
8. The enclosure frame shall be constructed of corrosion resistant galvanized steel in such a manner as to produce a rigid, durable filter.
9. To eliminate air bypass, each 24 x 24 single header model frame shall be roll formed continuously from the enclosure frame material.
10. Filters shall be listed and rated by Underwriters Laboratories, Inc. per Standard 900 for flammability only.
11. SERVA-CELL "SL" series has a single header on the air-entering side. For box construction, use "SLB" series.

Performance Data: SERVA-CELL 65/85/95

SERVA-CELL Model number	Nominal Size W x H x D	Actual Size W x H x D	Rated Capacity CFM	Initial resistance inches w.g.	Media area/ Sq.Ft.	Filter Weight lbs.
SL65	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.40	124	22.0
SL65	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.40	119	21.0
SL65	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.40	70	15.0
SL65	24x24x6	23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	1000	.20	64	14.0
SL65	20x24x6	19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	825	.20	54	10.0
SL65	12x24x6	11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	500	.20	70	8.0
SL85	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.55	124	22.0
SL85	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.55	119	21.0
SL85	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.55	70	15.0
SL85	24x24x6	23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	1000	.35	64	14.0
SL85	20x24x6	19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	825	.35	54	10.0
SL85	12x24x6	11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	500	.35	31	8.0
SL95	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.65	124	22.0
SL95	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.65	119	21.0
SL95	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.65	70	15.0
SL95	24x24x6	23 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	1000	.38	64	14.0
SL95	20x24x6	19 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	825	.38	54	10.0
SL95	12x24x6	11 ³ / ₈ x 23 ³ / ₈ x 5 ⁷ / ₈	500	.38	31	8.0

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