Streamline Horizontal Laminar Flow Cabinet Specifications

**Streamline Vertical Laminar Flow Cabinet**

**Model**

- **SVC-4A**
- **SVC-6A**

**External Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>External Dimensions (W x D x H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVC-4A</td>
<td>1220 x 650 x 920 mm (48.0” x 25.6” x 36.2”)</td>
</tr>
<tr>
<td>SVC-6A</td>
<td>1830 x 650 x 920 mm (72.0” x 25.6” x 36.2”)</td>
</tr>
</tbody>
</table>

**Internal Work Zone**

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<th>Model</th>
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<tr>
<td>SVC-4A</td>
<td>1120 x 490 x 575 mm (44.1” x 19.3” x 22.6”)</td>
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<tr>
<td>SVC-6A</td>
<td>1730 x 490 x 575 mm (68.1” x 19.3” x 22.6”)</td>
</tr>
</tbody>
</table>

**Air Volume**

- **SVC-4A** 1211 cm³/h (729 cfm)
- **SVC-6A** 1253 cm³/h (729 cfm)

**Laminar Airflow Velocity**

- **SVC-4A** 0.4 m/s or 80 fpm measured 150mm / 6” from filter face
- **SVC-6A** 0.5 m/s or 100 fpm measured 150mm / 6” from filter face

**Air Cleanliness**

- **SVC-4A** ISO 14644.1 Class 4, US Federal Standard 209E Class 10 / 2.5, AS 1386 Class 2.5, JIS B9920 Class 4, BS5295 Class D, Class M100,000 as per KS 27030.1 and other equivalent cleanliness classifications of the VDI 2083 and AFNOR X44101

**Main Filter Type**

- H13 HEPA filter with integral metal guards and filter frame gaskets on both sides; fully compliant with EN 1822 and IEST-RP-CC001.3 requirements; Typical efficiency: 99.9998% at 0.3 microns / 99.9998% at 0.12 microns / 99.9997% at MPPS

**Pre-Filter**

- Washable non-woven polypropylene filter with an efficiency of 20%

**Noise Level**

- **SVC-4A** 64 dBA
- **SVC-6A** 66 dBA

**Light Intensity**

- >800 lux (>75 foot candles) at work surface level

**Main Body Construction**

- Electro-galvanised steel with white oven-baked epoxy powder coated finish

**Power Supply Options**

- Choose from the following options and specify option number (e.g. SVC-4A1) when ordering
  - **SVC-4A1, SVC-6A1**: 220-240V AC 50HZ, 1Ø
  - **SVC-4A2, SVC-6A2**: 110-120V AC 60HZ, 1Ø
  - **SVC-4A3, SVC-6A3**: 220-240V AC 60HZ, 1Ø

**Power Rating**

- **SVC-4A1, SVC-6A1**: 380W (power supply 1 & 3); 700W (power supply 1 & 3)
- **SVC-4A2, SVC-6A2**: 300W (power supply 2 & 4); 600W (power supply 2 & 4)

**Net Weight**

- **SVC-4A**: 92 kg (202 lbs)
- **SVC-6A**: 120 kg (265 lbs)

**Max. Shipping Weight**

- **SVC-4A**: 118 kg (260 lbs)
- **SVC-6A**: 153 kg (337 lbs)

**Shipping Dimensions**

- **SVC-4A**: 1360 x 740 x 1150 mm (53.5” x 29.1” x 45.3”)
- **SVC-6A**: 1970 x 740 x 1150 mm (77.5” x 29.1” x 45.3”)

**Shipping Volume**

- **SVC-4A**: 1.16 m³ (40.6 cu.ft)
- **SVC-6A**: 1.68 m³ (59.4 cu.ft)

**Optional Features**

1. Washable pre-filter
2. Blower
3. Fluorescent light
4. UV light* provision
5. IV bar* provision
6. Service fixture* provisions (2 holes on each side)
7. Side tempered glass panel
8. HEPA filter
9. Standard universal electrical outlets (2 pcs)
10. Operating switches
11. Electronic blower monitor
12. Stainless steel work table

* optional items
Choose from the following options and specify option number (e.g. SCV-4A1) when ordering

**SCV-4A**
- External Dimensions: 1340 x 584 x 951 mm (52.7" x 23.0" x 37.4")
- Internal Dimensions: 1120 x 518 x 530 mm (44.1" x 20.4" x 20.9")
- Air Volume (at full speed): 630 m³/hr (2200 cfm)
- Laminar Airflow Velocity: Average of 0.41 m/s or 70 fpm measured 50 cm / 20" from face for ASHRAE Class 100 (ISO 14644 Grade A), 0.55 m/s or 90 fpm for ASHRAE Class 100 (ISO 14644 Grade A).  Method per ASHRAE Standard 110-2016
- Blower Efficiency: 40% (MPS) or 45% (MPS)
- Support stand: available with castor wheels in standard 28" / 71cm or optional 36" / 91cm with support arms.
- Accessories: Optional UV light, optional pre-filter, optional washable pre-filter (only for SHC).

**SCV-6A**
- External Dimensions: 1830 x 624 x 920 mm (72.0" x 24.6" x 36.2")
- Internal Dimensions: 1730 x 518 x 530 mm (68.1" x 20.4" x 20.9")
- Air Volume (at full speed): 1000 m³/hr (3500 cfm)
- Laminar Airflow Velocity: Average of 0.55 m/s or 90 fpm measured 50 cm / 20" from face for ASHRAE Class 100 (ISO 14644 Grade A), 0.71 m/s or 115 fpm for ASHRAE Class 100 (ISO 14644 Grade A). Method per ASHRAE Standard 110-2016
- Blower Efficiency: 45% (MPS) or 50% (MPS)
- Support stand: available with castor wheels in standard 36" / 91cm with support arms.
- Accessories: Optional UV light, optional pre-filter, optional washable pre-filter (only for SHC).

**Model SCV-4A**
- 1. Pre-filter
- 2. Main filter
- 3. Blower
- 4. Electronic blower monitor
- 5. Operating switches
- 6. Blower speed controller
- 7. Standard universal electrical socket
- 8. Stainless steel work top
- 9. Optional UV light
- 10. Electronic blower monitor
- 11. Blower speed controller
- 12. Support stand: available with castor wheels
- 13. Optional UV light
- 14. Stainless steel work top

**Model SCV-6A**
- 1. Pre-filter
- 2. Main filter
- 3. Blower
- 4. Electronic blower monitor
- 5. Operating switches
- 6. Blower speed controller
- 7. Standard universal electrical socket
- 8. Stainless steel work top
- 9. Optional UV light
- 10. Electronic blower monitor
- 11. Blower speed controller
- 12. Support stand: available with castor wheels
- 13. Optional UV light
- 14. Stainless steel work top

**Horizontal and Vertical Laminar Flow Cabinet Specifications**

**Streamline Vertical Laminar Flow Cabinet**
- Model SCV-4A1
- Model SCV-6A1
- External Dimensions: 1340 x 584 x 951 mm (52.7" x 23.0" x 37.4")
- Internal Dimensions: 1120 x 518 x 530 mm (44.1" x 20.4" x 20.9")
- Air Volume (at full speed): 630 m³/hr (2200 cfm)
- Laminar Airflow Velocity: Average of 0.41 m/s or 70 fpm measured 50 cm / 20" from face for ASHRAE Class 100 (ISO 14644 Grade A), 0.55 m/s or 90 fpm for ASHRAE Class 100 (ISO 14644 Grade A). Method per ASHRAE Standard 110-2016
- Blower Efficiency: 40% (MPS) or 45% (MPS)
- Support stand: available with castor wheels in standard 28" / 71cm or optional 36" / 91cm with support arms.
- Accessories: Optional UV light, optional pre-filter, optional washable pre-filter (only for SHC).

**Model SCV-6A**
- 1. Pre-filter
- 2. Main filter
- 3. Blower
- 4. Electronic blower monitor
- 5. Operating switches
- 6. Blower speed controller
- 7. Standard universal electrical socket
- 8. Stainless steel work top
- 9. Optional UV light
- 10. Electronic blower monitor
- 11. Blower speed controller
- 12. Support stand: available with castor wheels
- 13. Optional UV light
- 14. Stainless steel work top

**Streamline Vertical Laminar Flow Cabinet**
- Model SCV-4A1
- Model SCV-6A1
- External Dimensions: 1340 x 584 x 951 mm (52.7" x 23.0" x 37.4")
- Internal Dimensions: 1120 x 518 x 530 mm (44.1" x 20.4" x 20.9")
- Air Volume (at full speed): 630 m³/hr (2200 cfm)
- Laminar Airflow Velocity: Average of 0.41 m/s or 70 fpm measured 50 cm / 20" from face for ASHRAE Class 100 (ISO 14644 Grade A), 0.55 m/s or 90 fpm for ASHRAE Class 100 (ISO 14644 Grade A). Method per ASHRAE Standard 110-2016
- Blower Efficiency: 40% (MPS) or 45% (MPS)
- Support stand: available with castor wheels in standard 28" / 71cm or optional 36" / 91cm with support arms.
- Accessories: Optional UV light, optional pre-filter, optional washable pre-filter (only for SHC).

**horizontal and Vertical laminar Flow cabinet**
- Model SCV-4A1
- Model SCV-6A1
- External Dimensions: 1340 x 584 x 951 mm (52.7" x 23.0" x 37.4")
- Internal Dimensions: 1120 x 518 x 530 mm (44.1" x 20.4" x 20.9")
- Air Volume (at full speed): 630 m³/hr (2200 cfm)
- Laminar Airflow Velocity: Average of 0.41 m/s or 70 fpm measured 50 cm / 20" from face for ASHRAE Class 100 (ISO 14644 Grade A), 0.55 m/s or 90 fpm for ASHRAE Class 100 (ISO 14644 Grade A). Method per ASHRAE Standard 110-2016
- Blower Efficiency: 40% (MPS) or 45% (MPS)
- Support stand: available with castor wheels in standard 28" / 71cm or optional 36" / 91cm with support arms.
- Accessories: Optional UV light, optional pre-filter, optional washable pre-filter (only for SHC).