



\*Image: Streamline Soft Capsule 4'x8' with 2 Airstream® Fan Filter Units and optional castor wheels

*Esco Streamline® Soft Capsule™ Cleanroom is a modular cleanroom system constructed using a steel frame (available with different surfaces, e.g. stainless steel) with IsoStat® antistatic vinyl curtains surrounding the work area. Air is taken in through pre-filters from the top of the cleanroom, filtered, and circulated into the enclosure. Positive pressure is maintained within the cleanroom in order to prevent the entry of contamination. Equipped with standard Airstream® fan filter units that offer a wide range of configurations and optional features, Streamline® Soft Capsules are one of the most economical free-standing modular cleanrooms on the market.*

*The Streamline® Soft Capsule Cleanroom is shipped unassembled with standard Airstream Fan Filter Units and can be installed in an existing air-conditioned space without special tools.*

*Building on Esco's expertise and experience of more than 27 years in cleanroom technology, Esco Soft Capsule Cleanrooms are an economical and versatile solution to your cleanroom requirements.*

## GENERAL FEATURES

Standard models are available in US Federal Standard 209E Cleanroom Class 10 to Class 10,000 cleanliness configurations and various sizes.

Standard soft capsule body is an industrial-grade structure constructed of electrogalvanised steel with an abrasion-resistant white oven-baked powder-coated finish. Standard cleanroom ceiling grid. Standard height is 7' measured from filter face to floor. For construction options and other optional features see overleaf.

Free-standing design requires no suspended ceiling supports and allows for a fast and easy installation. *Optional* castor wheels ensure convenient relocation of the structure after installation.

Energy-efficient Airstream® fan filter units are easy to install (simply place units on the Soft Capsule's ceiling grid structure) and are available with a wide range of construction configurations. Streamline Soft Capsule cleanrooms use standard 2'x4' Airstream® fan filter units.

Superior minipleat separatorless HEPA (99.99% typical efficiency) or ULPA (99.999% typical efficiency) filters provide optimum cleanliness and product protection.

Tear-drop style 5000k warm-white fluorescent lighting creates a comfortable working environment.

### Airstream® Cleanroom Fan Filter Units utilized in Streamline® Soft Capsule Cleanrooms



\*Image: Airstream® Cleanroom Fan Filter Unit Version 3.

Industry exclusive blower technology with higher energy efficiency levels with larger airflow volumes

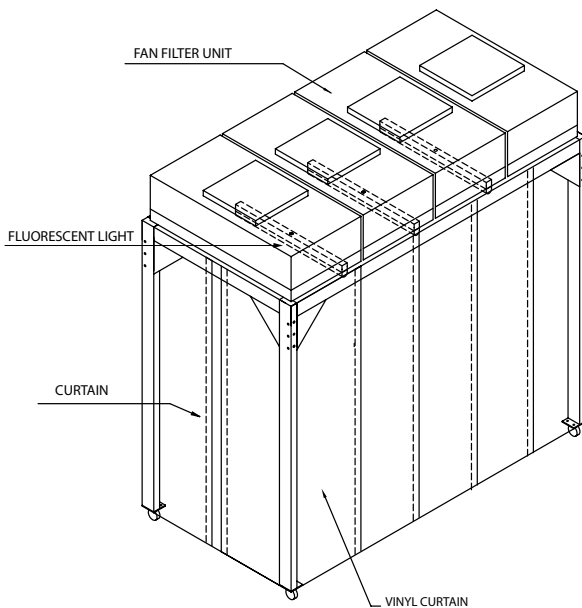
Low energy consumption: 80W with optional EC blower systems.

Low noise levels: less than 56dBA for a standard 2'x4' unit running at 0.45 m/s.

Available in various exterior construction materials to suit your operation requirements.

Available in version 3 (separate blower/housing module and filter) or in version 2 (integral filter + blower casing, which allows for ceiling suspension).

*Refer to product catalogue for detailed information*



**Optional Features and Items**

- ◆ Free Standing
- ◆ Castor Wheels
- ◆ Stainless Steel Construction
- ◆ Fixed Track
- ◆ Gowning Room
- ◆ Pass Box
- ◆ Air Shower

Cleanroom Class	Model	Size (Working Area)	Power Consumption (kW)**	No. of Fan Module	Air Volume (CMH / CFM)
ISO Class 5* (US Federal Standard Class 100)	STL/SC-447-M3.5	4' x 4' x 7'	0.25	1	1150 / 680
	STL/SC-487-M3.5	4' x 8' x 7'	0.54	2	2300 / 1360
	STL/SC-687-M3.5	6' x 8' x 7'	0.79	3	3450 / 2040
	STL/SC-6127-M3.5	6' x 12' x 7'	1.29	5	5750 / 3400
	STL/SC-6167-M3.5	6' x 16' x 7'	1.58	6	6900 / 4080
	STL/SC-6207-M3.5	6' x 20' x 7'	2.08	8	9200 / 5440
	STL/SC-887-M3.5	8' x 8' x 7'	1.07	4	4600 / 2720
	STL/SC-8107-M3.5	8' x 10' x 7'	1.36	5	5750 / 3400
	STL/SC-8127-M3.5	8' x 12' x 7'	1.64	6	6900 / 4080
	STL/SC-8167-M3.5	8' x 16' x 7'	2.21	8	9200 / 5440
	STL/SC-8207-M3.5	8' x 20' x 7'	2.78	10	11500 / 6800
	STL/SC-10127-M3.5	10' x 12' x 7'	2.15	8	9200 / 5440
	STL/SC-12127-M3.5	12' x 12' x 7'	2.46	9	10350 / 6120
ISO Class 6* (US Federal Standard Class 1000)	STL/SC-6127-M4.5	6' x 12' x 7'	0.85	3	3450 / 2040
	STL/SC-6167-M4.5	6' x 16' x 7'	0.92	3	3450 / 2040
	STL/SC-6207-M4.5	6' x 20' x 7'	1.20	4	4600 / 2720
	STL/SC-887-M4.5	8' x 8' x 7'	0.63	2	2300 / 1360
	STL/SC-8127-M4.5	8' x 12' x 7'	0.98	3	3450 / 2040
	STL/SC-8167-M4.5	8' x 16' x 7'	1.33	4	4600 / 2720
	STL/SC-8207-M4.5	8' x 20' x 7'	1.90	6	6900 / 4080
	STL/SC-12127-M4.5	12' x 12' x 7'	1.58	5	5750 / 3400
	STL/SC-12167-M4.5	12' x 16' x 7'	2.21	7	8050 / 4760
STL/SC-12207-M4.5	12' x 20' x 7'	2.56	8	9200 / 5440	
ISO Class 7* (US Federal Standard Class 10,000)	STL/SC-6127-M5.5	6' x 12' x 7'	0.41	1	1150 / 680
	STL/SC-6167-M5.5	6' x 16' x 7'	0.48	1	1150 / 680
	STL/SC-6207-M5.5	6' x 20' x 7'	1.08	2	2300 / 1360
	STL/SC-8127-M5.5	8' x 12' x 7'	0.54	1	1150 / 680
	STL/SC-8167-M5.5	8' x 16' x 7'	0.89	2	2300 / 1360
	STL/SC-8207-M5.5	8' x 20' x 7'	1.02	2	2300 / 1360
	STL/SC-10127-M5.5	10' x 20' x 7'	0.83	2	2300 / 1360
	STL/SC-12127-M5.5	12' x 12' x 7'	0.92	2	2300 / 1360
	STL/SC-12167-M5.5	12' x 16' x 7'	1.33	3	3450 / 2040
	STL/SC-12207-M5.5	12' x 20' x 7'	1.46	3	3450 / 2040

\*Other ISO cleanliness classes available. Contact Esco for information.

\*\*230V/single phase/50Hz (international electrical configurations available)

**ESCO**® Esco Cleanroom Equipment Division

Esco Cleanroom Equipment Division is a highly focused manufacturer of cleanroom equipment with a history of quality products since 1978. We are predominantly oriented towards the international marketplace, with sales in more than 60 countries and 90% of turnover exported.. All products are manufactured under an ISO 9001 registered quality system.



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