

Laminar Airflow System



The Precision Air Products Life Island family of integrated isolation room ventilation systems provide HEPA filtered laminar airflow, to protect patients, visitors and healthcare workers from airborne micro-organisms. Life-Island Systems filter breathing air through a HEPA filter that is 99.99% efficient at removing bacteria carrying particles (0.3 microns or larger.) The air flows over the patient, partially pressurizing the area immediately surrounding the bed. The system then draws this air away from the patient, either returning it to be re-filtered, or exhausting it out of the room and building. The hospital may choose from horizontal or vertical airflow, and between corridor, end or low return. The system is self-contained, and therefore does not require increasing the size of the air handler serving the isolation room.

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