

CLEANROOMS

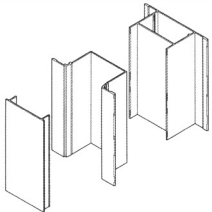
Controlled Environment Structures



Ebtech offers cleanrooms that deliver the industry's highest quality and cost-effective design, from Class 100 to 100,000

EbFact:

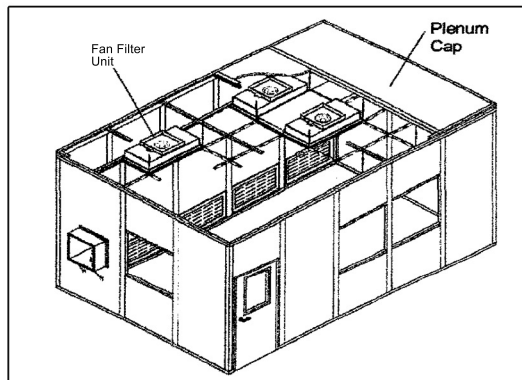
Ebtech's wall system uses interlocking extruded aluminum framing, painted with a glossy polyurethane coating providing an airtight seal for a dust-free environment. No extra sealing of screwholes is needed.



Ebtech Cleanroom Systems lead the way in control.

Recirculating cleanrooms are ideal when temperature or humidity control is required or when ambient conditions are very dirty.

Conditioned air inside the plenum space is drawn into the HEPA fan filter units. Then, filtered air passes into the cleanroom. Air is forced into the return air grilles located in the lower wall panels and is recirculated up the return air chases within the walls.



Applications

Ebtech designs cleanrooms for all types of conditions including but not limited to:

- Humidity/Temperature Control
- Positive &/or Negative Air Flow
- Recirculated or Once-Through Air Flow
- Vertical/Horizontal Unidirectional Air Flow
- Sound & Audio Dampening

Ebtech's movable, expandable and relocatable wall panels provide maximum flexibility and fast installation.

Performance Data

Airborne Particulate Cleanliness Classes Per ISO 14644-1

Class	maximum particles/m ³						FED STD 209E equivalent
	≥0.1 μm	≥0.2 μm	≥0.3 μm	≥0.5 μm	≥1 μm	≥5 μm	
ISO 1	10	2					
ISO 2	100	24	10	4			
ISO 3	1,000	237	102	35	8		Class 1
ISO 4	10,000	2,370	1,020	352	83		Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293	Class 1000
ISO 7				352,000	83,200	2,930	Class 10,000
ISO 8				3,520,000	832,000	29,300	Class 100,000
ISO 9				35,200,000	8,320,000	293,000	Room air