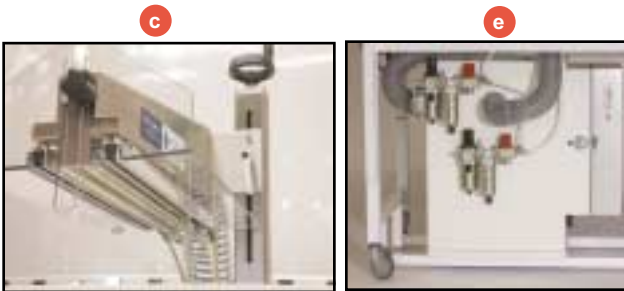


# CONTAMINATION CONTROL

## MBDCS Station

### Medical Blister & Device Cleaning Station

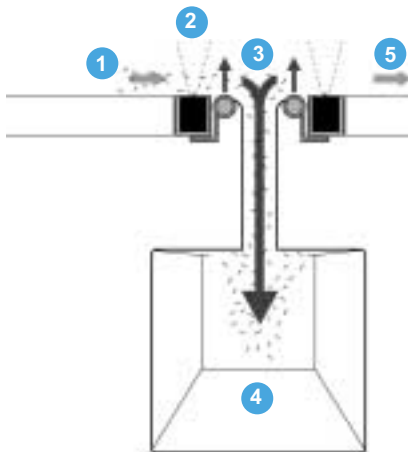


The Static Clean Medical Blister and Device Cleaning Station is an excellent contamination control tool designed to improve quality and yields by reducing rework. The stainless steel cleaning hood(s), integrated into a workstation and incorporating shockless static neutralizing bars and stainless steel compressed air tubes, removes particles from parts and/or packaging surfaces, conveying them to a filtered dust collector beneath the work surface. No more blowing particulate around the manufacturing environment or clean room causing re-contamination, a problem experienced when using guns, nozzles and other conventional blow-off devices that do not provide a means of capturing the dislodged contamination.

The powerful VQM5003H Dust Collector draws a high volume of air into the cleaning hood, tapered along its length, achieving an even, turbulent slot velocity to effectively remove surface contaminants such as angel hair, dust, human body hair, skin flakes and airborne particles that effect profits and quality. The dust collector comes equipped with a magnahelic gage, indicating the internal filter condition, and a HEPA Filter on the air exhaust for use in a clean room environment.

#### FEATURES INCLUDE:

- a** A 30" x 60" x 37 1/4" (high) workstation with a white plastic laminate work surface with sealed edge treatment and back laminate, welded steel frame construction powder-coat painted white, 12 inch vertical hydraulic height adjustability via a hand-crank, and locking swivel casters. Other sizes available upon request.
- b** A single 15" stainless steel cleaning hood with dual static neutralizing bars and dual stainless steel air tubes mounted flush in the work surface. Larger hoods available upon request.
- c** An optional top cleaning hood with adjustable height bracket and air baffle system for enhanced particle capture available for top and bottom cleaning of parts up to 6" high in a single pass.
- d** Optional Class 100 Vertical Laminar Flow System with Hepa Fan Filter Unit (HFFU), clear ESD softwall surround curtain and fascia panel, clean room light, support structure and ceiling system, and 125V, 15A power strip with circuit breaker available
- e** Compressed air filtration system with venting on/off valve, regulator, gage and secondary .03 micron coalescing filter (one per cleaning hood)
- f** Model VQM5003H Dust Collector mounted beneath the work surface with 3/4HP, 230/115V, 60Hz, 1PH TEFC Motor; 300 CFM @ 3.75" SP, only 28" high with secondary HEPA filter at left side air exhaust; 30 sq. ft. of cotton sateen filter @ 99.9+% efficient by weight; flush mounted magnahelic gage to monitor internal filter condition; 3" o.d. inlet collar with screws; pre-wired motor starter with 6' cord with 3 prong male US plug for plug & play; painted White; can be rewired for 230V, 60Hz, 1 Phase. Also available in 230V, 50Hz, 1PH



#### HOW IT WORKS

1. The blisters / parts are passed from one side of the station - the "pre-clean side" - over and through the cleaning zone in the work surface, to the "clean side" of the station.
2. As they pass through the cleaning zone, the static bars neutralize both the blister / part and surface contaminants, eliminating the electrostatic attraction that bonds and holds contaminants to the blister / part surface, optimizing the functionality of the air blow-off and vacuum.
3. The compressed air blow-off works up into the cavities of the blister / part, lifting contaminants from the surface and into the envelope of suction.
4. The dust collector draws a powerful vacuum from the cleaning zone, carrying the loose airborne contaminants into the vacuum slot in the cleaning hood and through the filtered collector, feeding clean air back into the environment.
5. Optional ionizers available for the clean side of the table to police the area and neutralize any static that is generated in the course of handling and stacking the blisters / parts, preventing a build up of electrostatic charge that can cause recontamination.