

A photograph of two surgeons in an operating room. The surgeon in the foreground is wearing a blue surgical cap and a white face mask, looking down. The surgeon in the background is also wearing a blue surgical cap and a white face mask, looking down. The background is a bright, sterile operating room environment.

Medical Vacuum Filters

MV Series Medical Vacuum Filters

Our new BeaconMedaes Medical Vacuum (MV) Filters are engineered to protect the vacuum system as well as workers who must maintain this equipment and the surrounding environment

These bacterial filters for medical vacuum are installed at the inlet of the vacuum pump to remove any liquid, solid or bacterial contamination which could damage the vacuum pump and release harmful exhaust into the downstream air. Our innovative, high efficiency medical vacuum filtration solutions fully comply to medical gas pipeline systems standards NFPA 99, HTM 02-01, and ISO 7396-1, providing you peace of mind that biological contaminants are not released into the atmosphere.



Fully Protected and Compliant

- *Independent 3rd party tested and fully compliant to HEPA filter efficiency rating for certified piece of mind*
- *Now part of 2018 NFPA 99 (section 5.1.3.7.4) standard requirement for biological filtration on central vacuum systems*
- *Seismic tested and certified by OSHPD*
- *Visible biohazard hazard labels help maintenance technicians and staff understand safety risks at hand. These labels alert people they may need to handle hazardous materials, therefore specific procedures should be followed*

Key Features and Benefits

An Ideal Solution for Hospitals and Healthcare Facilities of Any Size

- *Single point standalone system*
- *Additional custom site solution available when floor space is an issue*

Modular Cascade Design Ensures Optimal Flows

- *Standardized filter cascade reduces parts inventory and simplifies overall installation complexity and service downtime*

Easy to Install

- *Filter cascades design for easy installation and logistically can be broken down quickly to accommodate any door entrance*
- *Efficient modular design makes them more lightweight and can be handled with ease on facility site*

Maximum Contaminant Removal

- *Removes dry and wet dust, particulates, water vapor, aerosols and bacteria with more than 99.97% for a particle size of less than 0.3 microns*

Significant Energy Savings

- *Optimal design and high efficiency glass and fleece media minimize pressure losses, resulting in reliable filtration*

High Reliability

- *High performance stainless steel cores, double O-rings, epoxy sealer caps and anti-corrosive coated filter housing*
- *Designed to handle high ambient up to 60°C.*
- *Engineered for a maximum operating range of atmospheric to full vacuum*

Easy Maintenance

- *Designed specifically for quick access with external ribs on the threaded housing and push-on elements*
- *Isolation valves allows for easy change-out of biohazard glass flask and filter element when needed*
- *Transparent glass biohazard drain flask can easily be removed for sterilization*

Monitoring of Energy Use

- *Differential pressure indication shows the pressure loss and will indicate when of change of cartridge is needed*

Utilizes a Single Point Connection Design

- *Drop in - plug and play out of the gate!*
- *No risk of leakage. Our filters are leak tested before it leaves our factory*
- *Reduces overall total costs of installation*



MV Single Point Solution Technical Specifications

| Model Number | System Capacity (scfm) | Claw - Standard, O2 Assured, & VSD | Lubricated Rotary Vane | Oil-less Rotary Vane |
|--------------|------------------------|--|--|--|
| MV80-2 | 45 | VHV02D ; VHV03D ; VHV04D VHV05D ; VHS05D | VLT01D ; VLT02D ; VLS03D VLT05D ; VLV01D ; VLV02D VLV03D ; VLV05D ; VLS05D | VDV01D ; VDV02D ; VDV03D VDV05D ; VDT01D ; VDT02D VDT03D ; VDT05T ; VDS07D |
| MV160-2 | 90 | VHS06D ; VHS07D ; VHS08D VHS10D ; VHS05T | VLV07D ; VLS07D ; VLS10D VLS05T | VDS10D ; VDS07T ; VDS07Q |
| MV160-3 | 180 | VHS15D ; VHS06T ; VHS07T VHS08T ; VHS10T VHS05Q ; VHS06Q | VLS15D ; VLS20D ; VLS25D VLS07T ; VLS10T ; VLS05Q VLS07Q | VDS10T ; VDS10Q |
| MV160-4 | 270 | VHS15T ; VHS07Q ; VHS08Q VHS10Q | VLS15T ; VLS10Q | |
| MV160-5 | 360 | | VLS20T ; VLS25T ; VLS15Q | |
| MV160-6 | 450 | VHS15Q | VLS20Q | |
| MV160-7 | 540 | VHS15P | VLS25Q | |
| MV160-8 | 630 | VHS15H | | |

1. All system capacities shown as NFPA system capacities (reserve vacuum pump on standby).
2. All vacuum filter capacities shown as a system with 1 filter isolated (not in use).
3. All vacuum filter capacities shown with filters efficient to 0.3µ and 99.97% HEPA or better. Filter capacity within +/- 10% tolerance of the vacuum pump capacity.
4. For "Expandable" vacuum systems, always size filter to the expansion capacity.
5. For vacuum systems, SPC and Modular configurations are the same capacity and require the same filter sizing.

Custom Site Solution Available

We know every hospital and healthcare facility is unique and at times, may have special needs or customization requirements. With our customized facility site solutions option, we do an audit of your utility room and can offer the right solution which keeps in mind the overall life-cycle. We do not just consider installation but also maintenance, regulatory and safety considerations as well as future needs so the customized solution is tailored to your exact requirements.

Custom site solution consultation is by request. Our professional team can oversee a complete customized solution for your facility. To learn more please give us a call at **888-4MEDGAS**.