

Medical Vacuum Bacterial Filters

HV Series 3/4" - 6"

Overview

Solberg's HV Series bacterial filters for medical vacuum service are designed to offer industry leading pressure drop performance and meet demanding filtration requirements in accordance with U.S. and global medical vacuum standards:

ISO 7396-1:2016 Medical gas pipeline systems – Part 1 Pipeline systems for compressed medical gases and vacuum

NFPA 99:2018 Health Care Facilities Code

Health Technical Memorandum (HTM) 02-01 Medical Gas Pipeline Systems

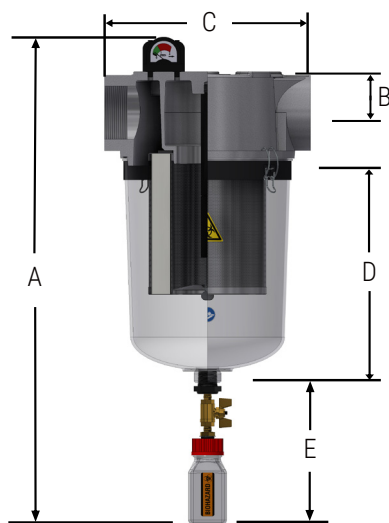
With its exclusive transparent design, pleated element construction, maximized element surface area, and minimal pressure drop, the HV Series offers an innovative, high quality, and long lasting solution that satisfies the strict requirements of the medical industry.

Third party verification ensures Solberg's elements meet ISO 45 H classification as defined in ISO 29463-1. The HV Series achieves a total retention rate greater than 99.999% at 0.1 microns offering a very high level of protection in medical/hospital, dental, and laboratory applications.

Benefits

- Minimizes microbial contamination of vacuum pump oil and surrounding environment
- Visual pressure differential indication allows for real time monitoring and maintenance checks of the filter
- Biohazard labels improve safety and awareness at facility
- Increased surface area and large collection area maximizes contaminant holding capacity
- Low pressure drop design for reduced energy consumption over time
- Corrosion resistant and heavy duty materials of construction offer high performance and extended service life
- Isolation valve allows for quick and easy change out of glass flask for sterilization or disposal
- Equipped with pressure differential gauge for visual indication to service filter
- Easily incorporated into the medical gas distribution system piping allowing for a CE marking according to the Medical Devices Directive 93/42/EC
- High efficiency elements tested and verified to meet EN1822-1 filter class H14 requirements
- Meets NFPA 99 requirements for vacuum filtration
- >99.995% efficient as specified in HTM 02-01 and tested in accordance with BS 3928:1969 (Sodium Chloride Flame Test)





Inlet / Outlet		Assembly Part Number	Dimensions (inches)					Suggested Service Ht. (inches)	Approx. Weight (lbs)	Rarified Air Flow Rating at 19" HgV	Air Flow at Atmosphere: Free Air Aspirated (FAA)
Size	Type	Paper	A	B	C	D	E				
3/4"	NPSC	HV-UL8450-075C	17.53	1.00	5.00	6.87	7.26	5	5	36 CFM	13 CFM
1"	NPSC	HV-UL896-100C	25.81	1.52	7.00	11.09	9.36	9	15	132 CFM	48 CFM
1 1/4"	NPSC	HV-UL896-125C	25.81	1.52	7.00	11.09	9.36	9	15	132 CFM	48 CFM
1 1/2"	NPSC	HV-UL896-150C	25.81	1.52	7.00	11.09	9.36	9	15	132 CFM	48 CFM
2"	NPSC	HV-UL850/1-200C	28.49	2.01	9.00	13.05	9.36	9	19	353 CFM	129 CFM
2 1/2"	FNPT	HV-UL850/1-250C	28.49	2.01	9.36	13.05	9.36	9	19	353 CFM	129 CFM
3"	FNPT	HV-UL234/2G-300C	32.11	2.70	13.50	14.78	9.36	10	30	595 CFM	217 CFM
4"	FNPT	HV-UL234/2G-400C	32.11	2.70	13.50	14.78	9.36	10	27	595 CFM	217 CFM
6"	FNPT	HV-UL374/2-600C	39.56	3.89	19.00	20.29	8.61	15	76	1755 CFM	673 CFM

Technical Specifications

- Operating pressure range: atmospheric to full vacuum
- Particulate removal > 99.999% efficiency at 0.1 microns
- Meets ISO 29463-1 requirements for ISO 45H class filtration
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Corrosive resistant aluminum cast head
- Shatter resistant polycarbonate collection area
- Glass drain flask for easy removal and sterilization

Learn More

For more information about Solberg products and finding the right solutions for your equipment needs, visit us at **SolbergMfg.com**.

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All model offerings and design parameters are subject to change without prior notice.
Contact your representative or visit www.solbergmfg.com for the most current information.

