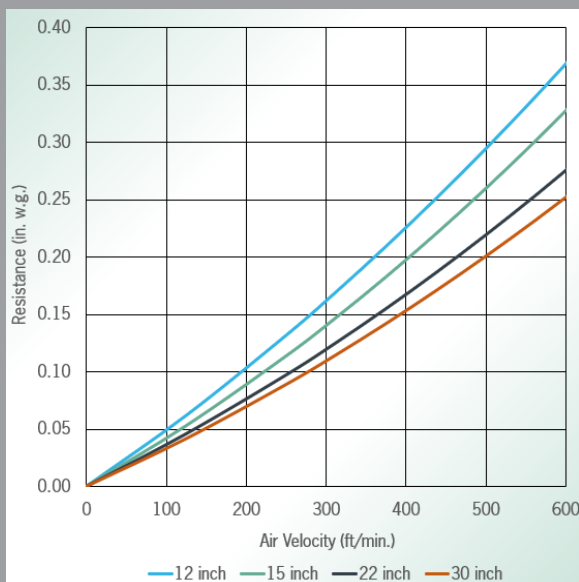




The Camfil Hi-Flo HD is an exceptionally robust filter designed for applications with high or turbulent airflow and high dirt load. Ideally suited where other filters fail prematurely, the Hi-Flo HD features:

- The filter media is a high-density fine-fiber design bonded to a synthetic support backing for high strength.
- The media's robust design resists blowouts or filter failures and will remain in-service longer than any other bag filter available.
- Along with exceptional strength, the Hi-Flo HD has extremely high dirt holding capacity which extends service life and is a major benefit in the often challenging environments this filter excels in.
- The filter is designed to withstand 10.0" of w.g. without failure.
- The filter tests as a MERV 10A according to ASHRAE 52.2 with Appendix J. The fine-fiber media construction means the filter will maintain the MERV 10A particle capture efficiency for the duration of the filter's service life.
- Along with exceptional strength and MERV 10A efficiency, the filter delivers pressure drops comparable to common pleated panel filters.
- Low average pressure drop also means far less fan energy is required to move air through the filter.
- The plastic framed Hi-Flo HD uses no metal components which eases concerns when disposing.

The tapered pockets and design of the one piece frame mean all four depths, 12", 15", 22" and 30" deliver low pressure drops at 500' per minute.



Performance Data

Part Number	Description	Nominal Size (inches, H x W)	Pocket Depth (inches)	Actual Size (inches, H x W)	Airflow Capacity (cfm)	Initial Resistance (inches w.g.)	Media Area (sq. ft.)
405616A12	HFHDMV10/24/24/12/10	24 x 24	12	23.31 x 23.31 x 12	2000	0.25"	39.21
405616A15	HFHDMV10/24/24/15/10	24 x 24	15	23.31 x 23.31 x 15	2000	0.24"	49.01
405616A22	HFHDMV10/24/24/22/10	24 x 24	22	23.31 x 23.31 x 22	2000	0.21"	71.45
405616A30	HFHDMV10/24/24/30/10	24 x 24	30	23.31 x 23.31 x 30	2000	0.21"	97.03
405616B12	HFHDMV10/24/20/12/8	24 x 20	12	23.31 x 19.31 x 12	1600	0.25"	31.37
405616B15	HFHDMV10/24/20/15/8	24 x 20	15	23.31 x 19.31 x 15	1600	0.24"	39.21
405616B22	HFHDMV10/24/20/22/8	24 x 20	22	23.31 x 19.31 x 22	1600	0.21"	57.16
405616B30	HFHDMV10/24/20/30/8	24 x 20	30	23.31 x 19.31 x 30	1600	0.21"	77.62
405616C12	HFHDMV10/24/12/12/5	24 x 12	12	23.31 x 11.31 x 12	1000	0.25"	19.61
405616C15	HFHDMV10/24/12/15/5	24 x 12	15	23.31 x 11.31 x 15	1000	0.24"	24.51
405616C22	HFHDMV10/24/12/22/5	24 x 12	22	23.31 x 11.31 x 22	1000	0.21"	35.73
405616C30	HFHDMV10/24/12/30/5	24 x 12	30	23.31 x 11.31 x 30	1000	0.21"	48.52
405616D12	HFHDMV10/20/20/12/8	20 X 20	12	19.31 x 19.31 x 12	1320	0.25"	26.14
405616D15	HFHDMV10/20/20/15/8	20 X 20	15	19.31 x 19.31 x 15	1320	0.24"	32.67
405616D22	HFHDMV10/20/20/22/8	20 X 20	22	19.31 x 19.31 x 22	1320	0.21"	47.63
405616D30	HFHDMV10/20/20/30/8	20 X 20	30	19.31 x 19.31 x 30	1320	0.21"	64.68
405616E12	HFHDMV10/20/24/12/10	20 x 24	12	19.31 x 23.31 x 12	1600	0.25"	32.67
405616E15	HFHDMV10/20/24/15/10	20 x 24	15	19.31 x 23.31 x 15	1600	0.24"	40.84
405616E22	HFHDMV10/20/24/22/10	20 x 24	22	19.31 x 23.31 x 22	1600	0.21"	59.54
405616E30	HFHDMV10/20/24/30/10	20 x 24	30	19.31 x 23.31 x 30	1600	0.21"	80.86
405616F12	HFHDMV10/12/24/12/10	12 x 24	12	11.31 x 23.31 x 12	1000	0.25"	19.61
405616F15	HFHDMV10/12/24/15/10	12 x 24	15	11.31 x 23.31 x 15	1000	0.24"	24.51
405616F22	HFHDMV10/12/24/22/10	12 x 24	22	11.31 x 23.31 x 22	1000	0.21"	35.73
405616F30	HFHDMV10/12/24/30/10	12 x 24	30	11.31 x 23.31 x 30	1000	0.21"	48.52

Data Notes:

1. Recommended final dP of 1.0" @500 fpm. 2. UL900 listed 3. Maximum operating temperature of 158F / 70C 4. Metal frames available upon request, but could alter disposal options. Contact factory.

1. Camfil Hi-Flo HD Specifications

1.0 General

1.1 - Air filters shall be high-efficiency ASHRAE extended surface pocket style filters consisting of high loft air laid micro fine glass media, a reinforced ABS plastic header, ABS plastic pocket retainers, and bonding agents to prevent air bypass and ensure leak-free performance.

1.2 - Sizes shall be as noted on drawings or other supporting materials.

2.0 Construction

2.1 - Filter media shall consist of high-density air-laid lofted micro fine glass media that is chemically bonded to a synthetic micro mesh media support backing forming a lofted filter blanket.

2.2 - Individual pockets shall contain a minimum of 40 stitching support points per square foot of media area. All stitching centers shall be sealed through the use of a foam-based sealant that shall remain pliable throughout the life of the filter. The sides and ends of each pocket shall be sewn with a chain-link overlack stitch.

2.3 - Pockets shall be formed into tapered pleats, supported by controlled media space stitching, to promote uniform airflow across the surface of the media. At any point, the sizes of the upstream and downstream passages shall be proportional to the volume of filtered air. The pockets shall also have a conical configuration to minimize contact with HVAC system components.

2.4 - Support members shall include an ABS plastic header and ABS plastic pocket retainers. The header shall be joined to the media to prevent air bypass. Individual pocket retainers shall be attached to the header frame with anchor ports allowing for visual confirmation. Bypass between pockets shall be eliminated through a snap-to-seal pocket retainer that shall be an integral part of the two-piece header design. The frame shall form a rigid and durable support assembly.

2.5 - The air exiting side of the air tunnels include a pocket flange to ensure pocket integrity throughout the life of

the filter. A downstream pocket-to-pocket partition shall provide additional pocket separation to ensure full flow through the entire media area.

2.6 - A filter-to-filter sealing gasket shall be installed on one of the vertical members of the filter header.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of (MERV 10) when evaluated in accordance with ASHRAE Standard 52.2. It shall have a MERV-A 10A when tested using Appendix J of that standard.

3.2 - Initial resistance to airflow as listed by the manufacturer on a 22" depth 10-pocket bag shall be 0.21" w.g at an airflow of 500 fpm. Additional information shall be as noted on drawings or other supporting materials.

3.2 - The manufacturer shall warranty that the filter shall be capable of withstanding 10.0" w.g. without failure of the filter.

3.3 - The filter shall be classified by Underwriters Laboratories as UL 900.

3.4 - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

Supporting Data - Provide ASHRAE product test report per ASHRAE Standard 52.2, including testing per Appendix J.

For detailed specifications, please consult your local Camfil distributor, representative. Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

