



Universal Silencer's new ILFV Series of in-line air filters are designed especially for vacuum applications as an economical alternative to our ILF Series. Choose from ten standard pipe sizes ranging from 2" to 14" and flow capacities ranging from 120 to 5,900 CFM. Two choices of filter element media—pleated paper or pleated felt—are available to suit your specific application.

Universal's Filter Restriction Gauge provides a convenient, accurate means of monitoring filter pressure drop as the filter element becomes increasingly loaded with dirt. In-line air filters are standard with threaded connections for directly mounting the gauge. See p. 9.15 for a complete description.

Filter Elements

Two types of filter elements are available for Universal Silencer's vacuum service in-line air filters. The pleated paper elements provide the highest efficiency and are considered standard. Pleated felt elements are available for less demanding service with respect to efficiency. Both types of elements are completely interchangeable and will fit in any of the ILFV filter housings.

Model	Part Number	P (nom.)	D	L	N	Y	C	K	Weight (est.)	Rated Cap. (CFM)
ILFV-2	34-D02-TT*	2	14	9.56	3.5	6.44	7	10	18	120
ILFV-2½	34-D25-TT*	2½	14	9.56	3.5	6.44	7	10	19	190
ILFV-3	34-D03-TT*	3	14	9.56	3.5	6.44	7	10	20	275
ILFV-4	34-D04-TT*	4	14	9.56	3.5	6.44	7	10	21	500
ILFV-5	34-D05-AA*	5	18	12.00	3.5	7.75	10	12	50	750
ILFV-6	34-D06-AA*	6	18	20.56	3.5	12.00	10	12	65	1,100
ILFV-8	34-D08-AA*	8	24	13.19	3.5	8.35	11	15	90	2,200
ILFV-10	34-D10-AA*	10	24	22.69	3.5	13.00	11	15	125	3,000
ILFV-12	34-D12-AA*	12	30	17.19	3.5	10.35	15	18	160	4,300
ILFV-14	34-D14-AA*	14	30	30.69	3.5	17.00	15	18	205	5,900

All models have a 1/8" FNPT tap for installation of a gauge or manometer to monitor pressure drop. The C dimension is clearance required to remove elements. Non-ASME code construction is suitable for 15" Hg vacuum. Not applicable for pressure applications. Rated capacity is based upon flow velocity of approximately 5500 ft/min. If pressure drop allowance permits, capacity may be increased by as much as 50%. Flange connections are drilled per ANSI standard for each size. Sizes 2" through 4" are standard with male pipe threaded inlet and outlet fitting (MNPT). Sizes 5" through 14" are standard with plate flanges drilled to ANSI standards (dashed lines on sketch). Weight does not include filter elements.

*Specify "P" at the end of part number for paper element or "F" for synthetic felt.